

Differences between HYDE population data versions

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1 Introduction

This document shows plots of differences in the HYDE population data, more specifically in the HYDE version v3.2.1 and v3.3. Each plots shows the difference v3.3–v3.2.1, i.e. positive values mean an increase from v3.2.1. to v3.3. The maps feature the original HYDE resolution $\frac{1}{12}^\circ \times \frac{1}{12}^\circ$. The numbers that follow the plot give a few more details/statistics about the plotted data.

Other arguments

- HYDE v3.2.1 compatible with ...
- the GDP data by Muarakami (2021) gives HYDE 3.1 papers as their reference

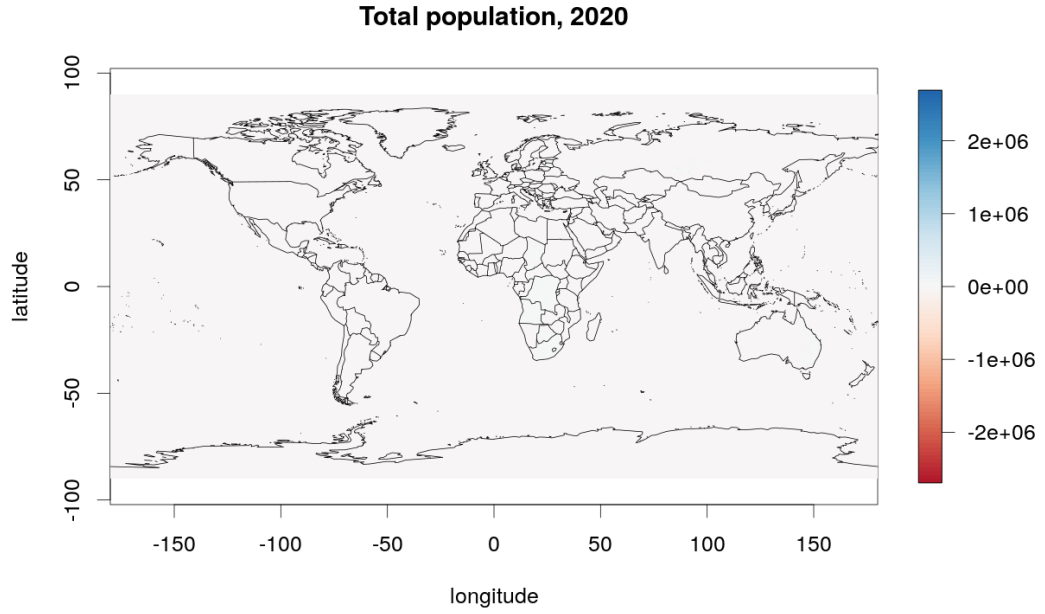
Explanation of notation

- population at point x is p_x , HYDE versions are indicated as a superscript
- the difference between versions at point x is $\Delta_x = p_x^{(v3.3)} - p_x^{(v3.2)}$

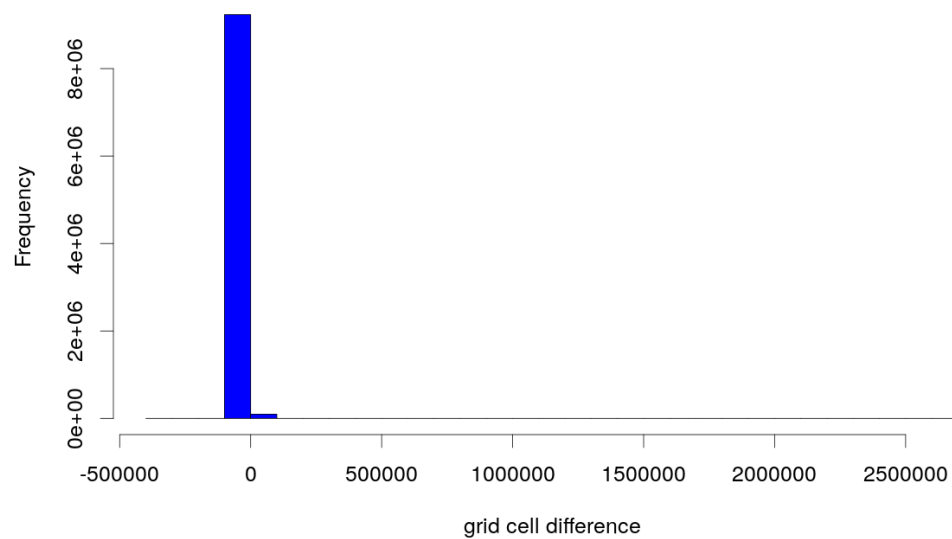
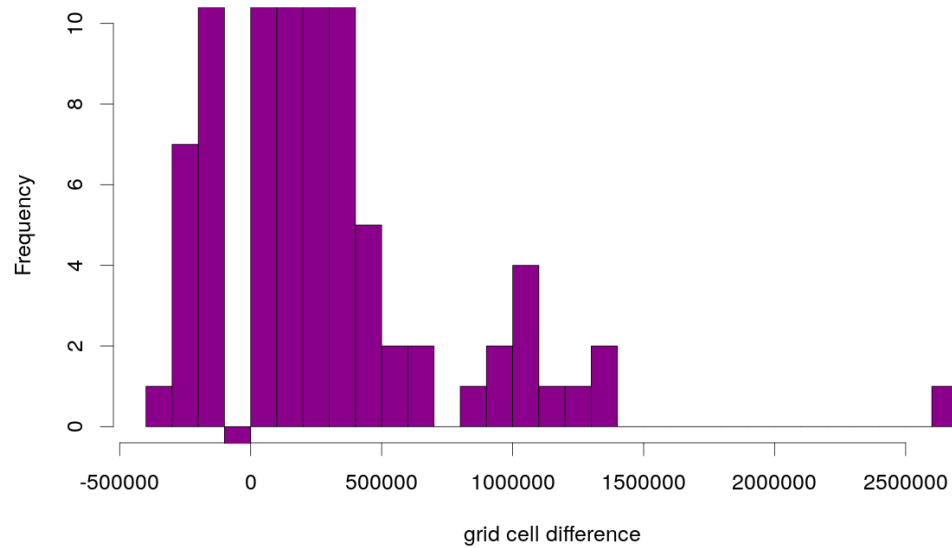
2

2 Total population

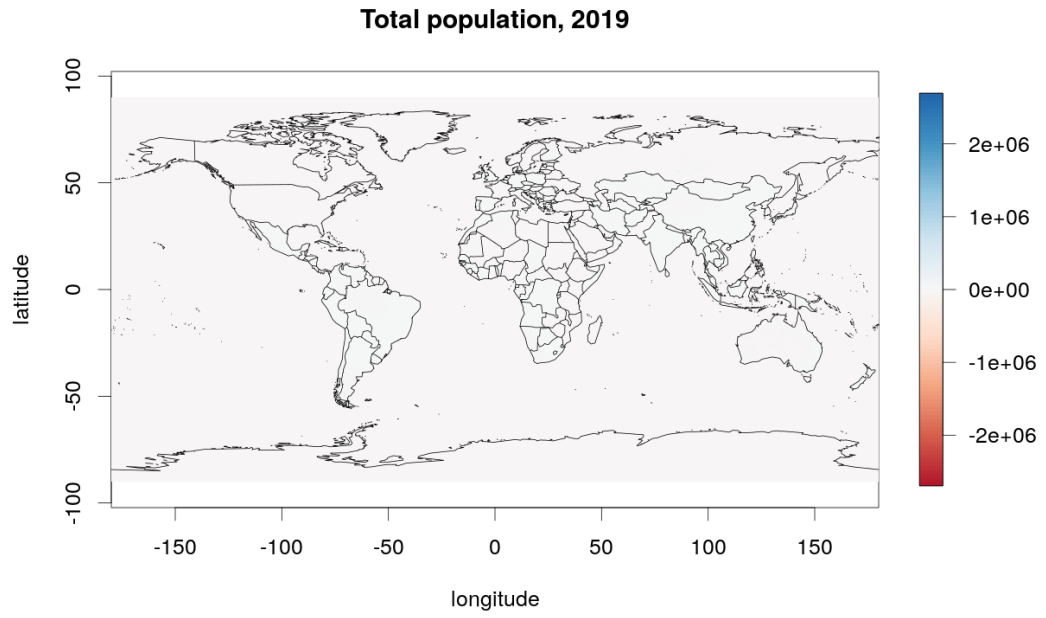
2020



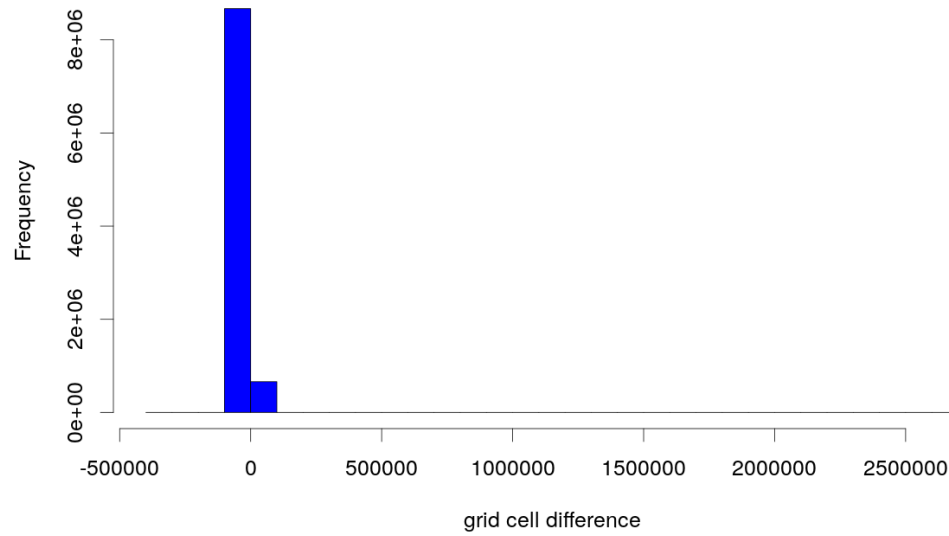
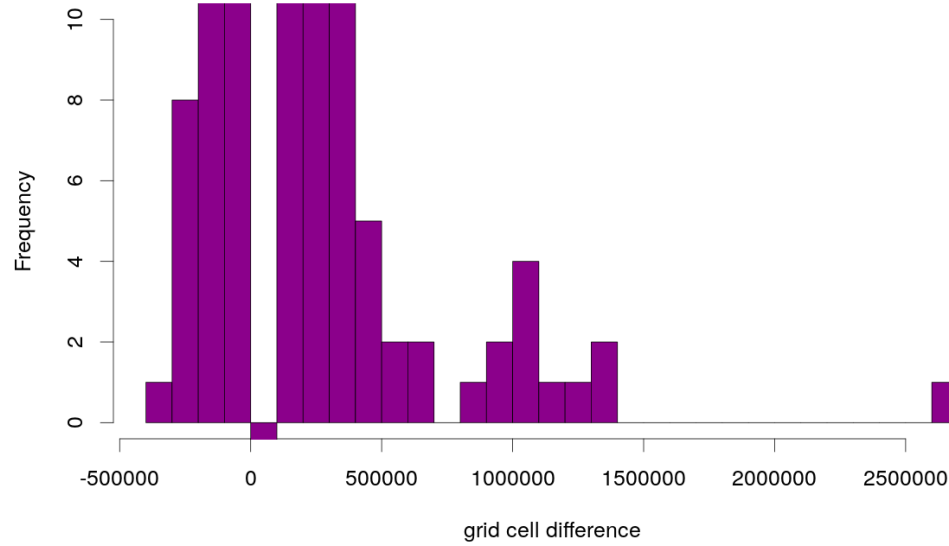
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 7.63146e+09 \\ \sum_x p_x^{(v3.3)} &= 7.6435e+09 \\ \sum_x \Delta_x &= 1.20425e+07 \\ \sum_x |\Delta_x| &= 1.21391e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00157801 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0159067 \\ \max_x \Delta_x &= 2.66658e+06 \\ \min_x \Delta_x &= -317322 \end{aligned}$$

Total population, 2020**Total population, 2020**

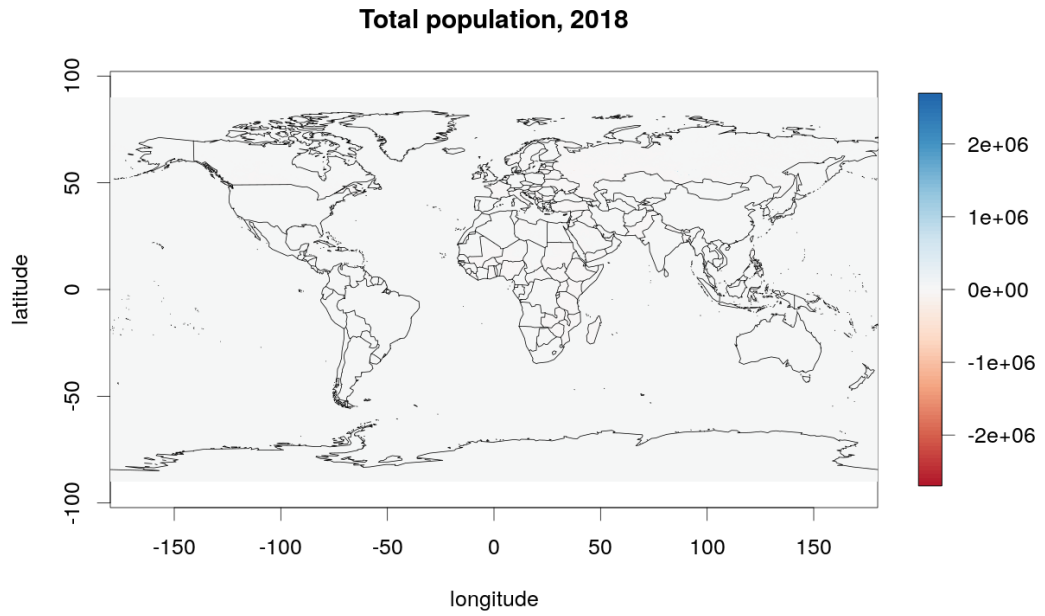
2019



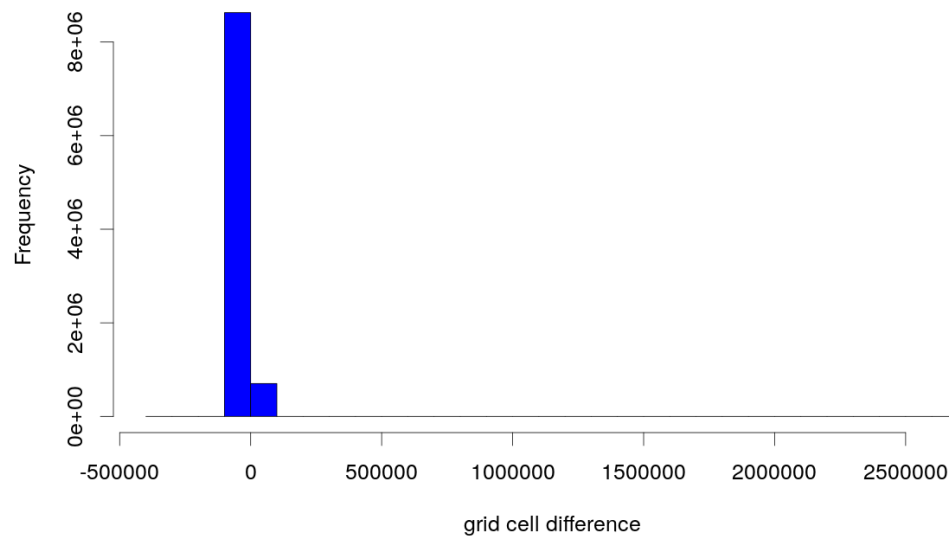
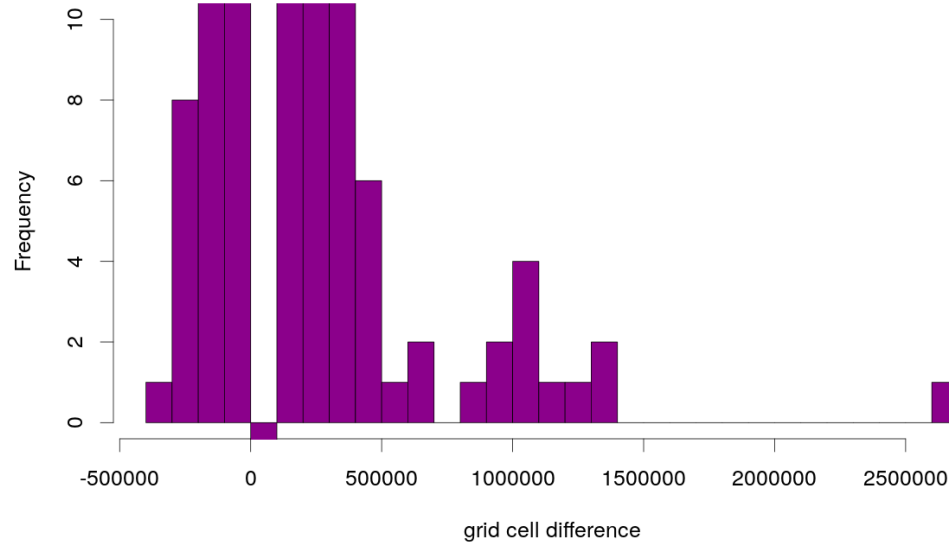
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 7.55696e+09 \\
 \sum_x p_x^{(v3.3)} &= 7.56872e+09 \\
 \sum_x \Delta_x &= 1.17535e+07 \\
 \sum_x |\Delta_x| &= 1.3719e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00155532 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0181541 \\
 \max_x \Delta_x &= 2.66844e+06 \\
 \min_x \Delta_x &= -317543
 \end{aligned}$$

Total population, 2019**Total population, 2019**

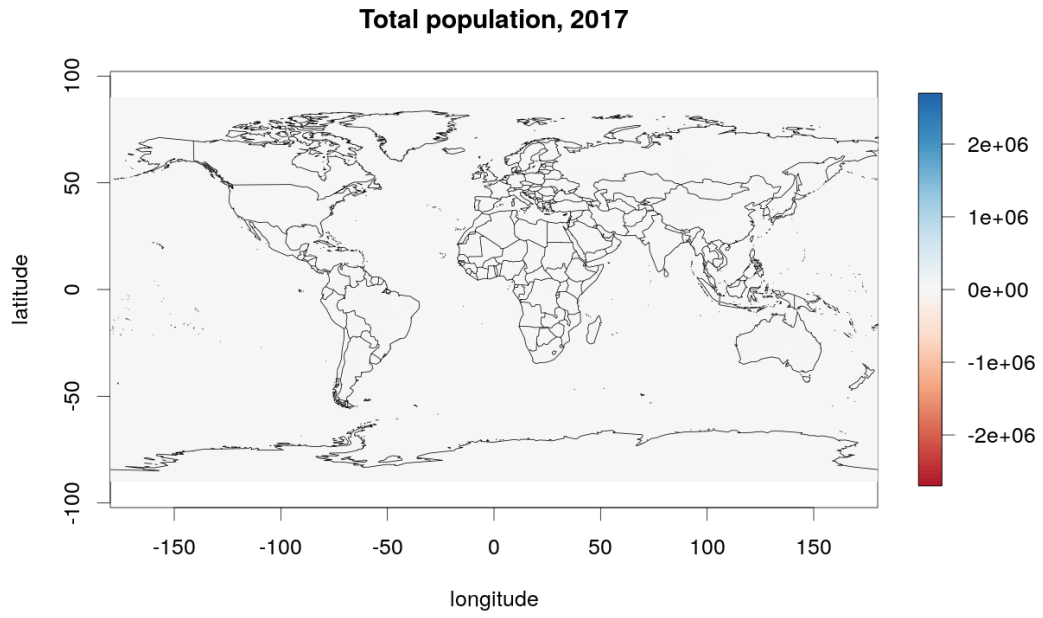
2018



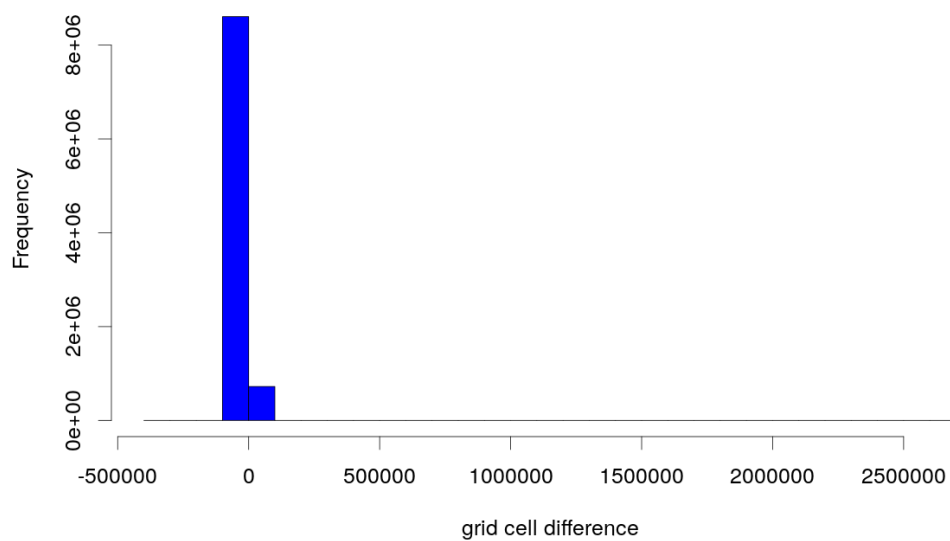
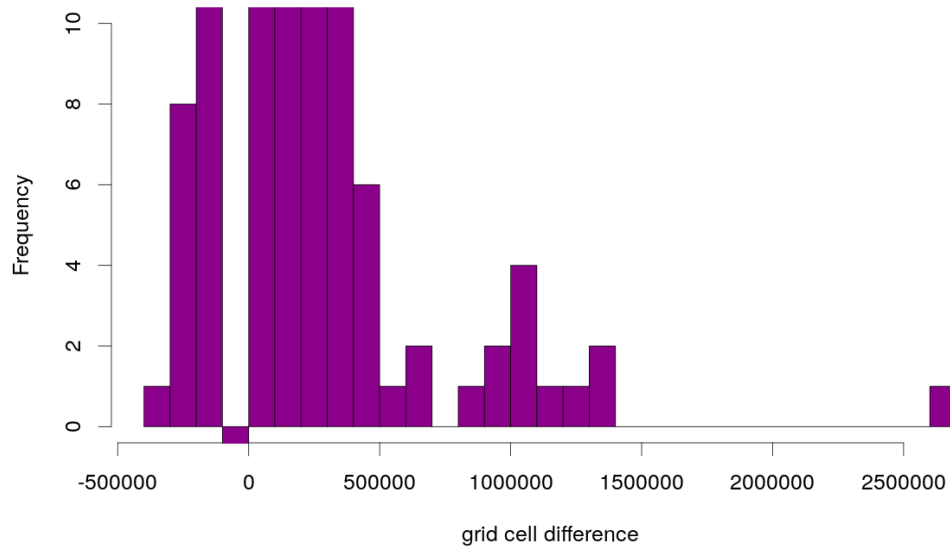
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 7.48247\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 7.49389\text{e}+09 \\
 \sum_x \Delta_x &= 1.14241\text{e}+07 \\
 \sum_x |\Delta_x| &= 1.37666\text{e}+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00152678 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0183985 \\
 \max_x \Delta_x &= 2.6703\text{e}+06 \\
 \min_x \Delta_x &= -317764
 \end{aligned}$$

Total population, 2018**Total population, 2018**

2017

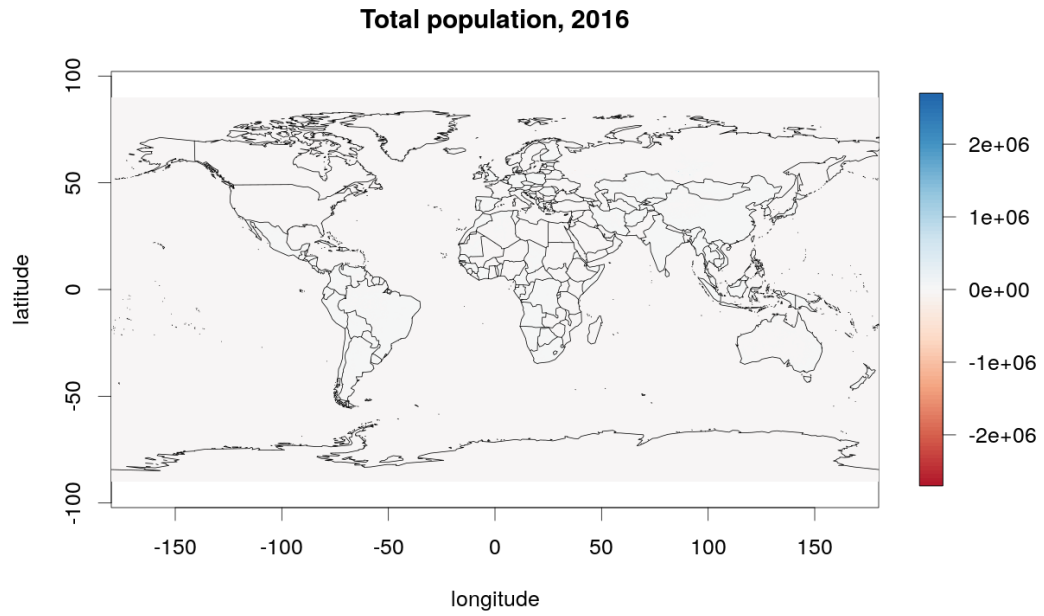


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 7.40676e+09 \\
 \sum_x p_x^{(v3.3)} &= 7.41918e+09 \\
 \sum_x \Delta_x &= 1.24193e+07 \\
 \sum_x |\Delta_x| &= 1.36035e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00167675 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0183663 \\
 \max_x \Delta_x &= 2.67216e+06 \\
 \min_x \Delta_x &= -317985
 \end{aligned}$$

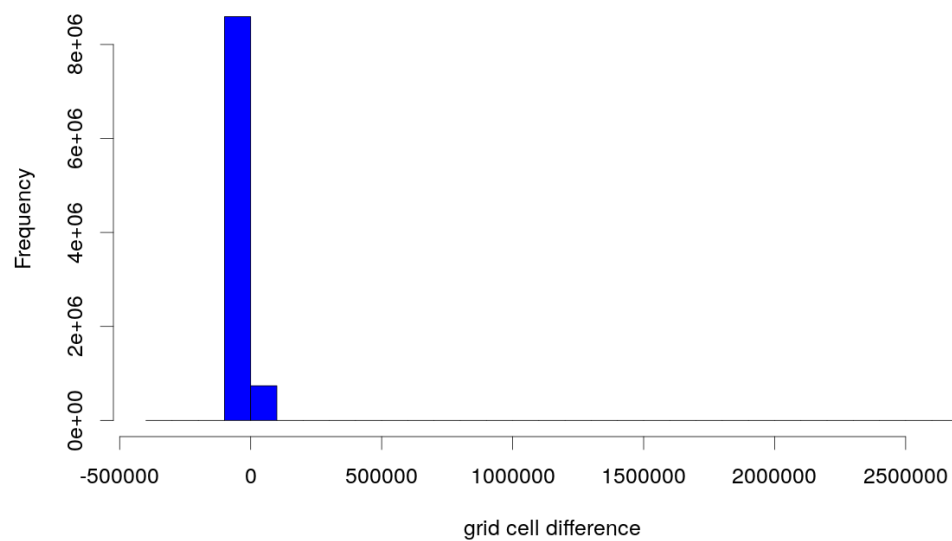
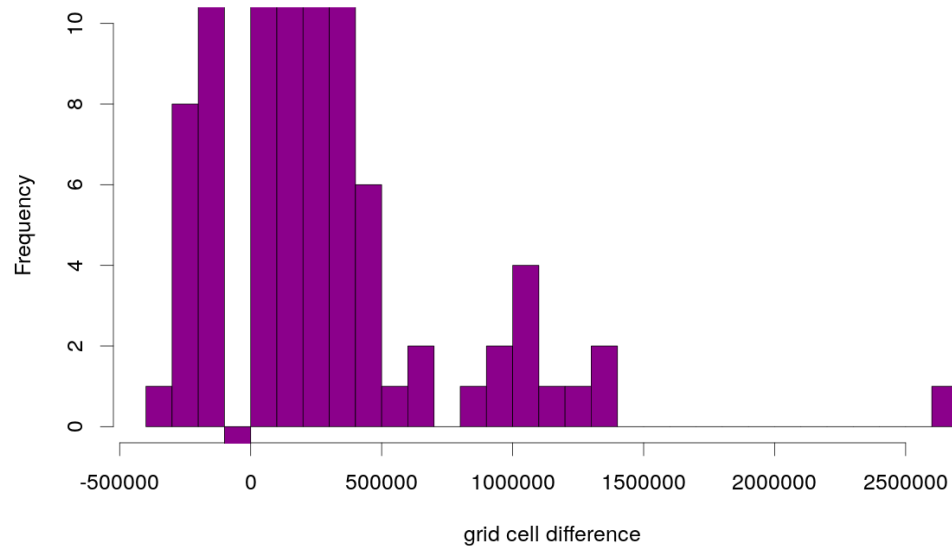
Total population, 2017**Total population, 2017**

10

2016

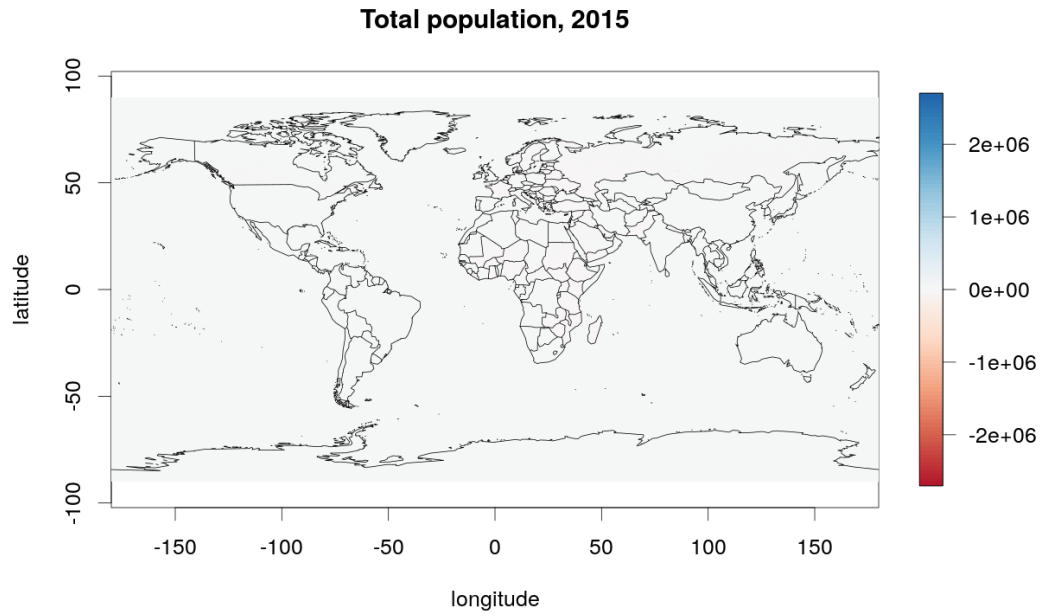


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 7.33186e+09 \\ \sum_x p_x^{(v3.3)} &= 7.3446e+09 \\ \sum_x \Delta_x &= 1.27387e+07 \\ \sum_x |\Delta_x| &= 1.36211e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00173744 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.018578 \\ \max_x \Delta_x &= 2.67402e+06 \\ \min_x \Delta_x &= -318206 \end{aligned}$$

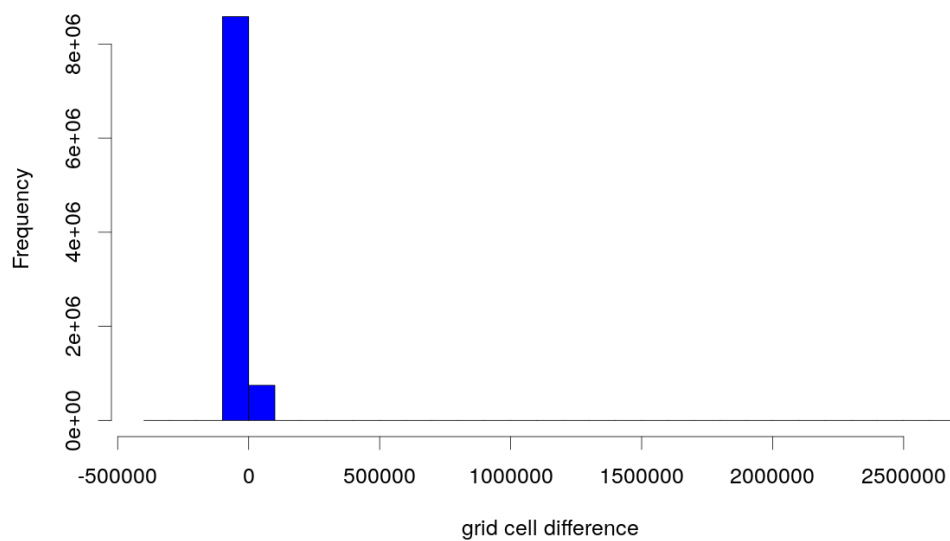
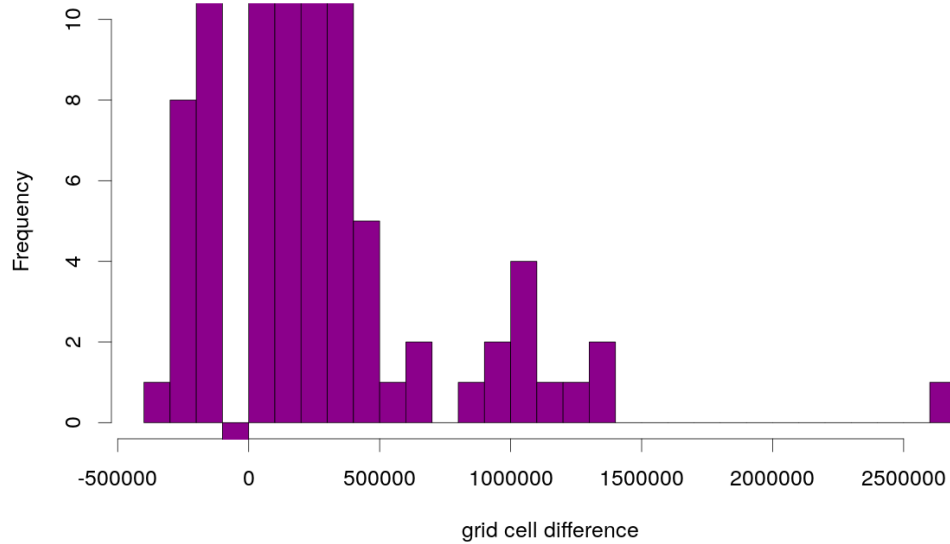
Total population, 2016**Total population, 2016**

12

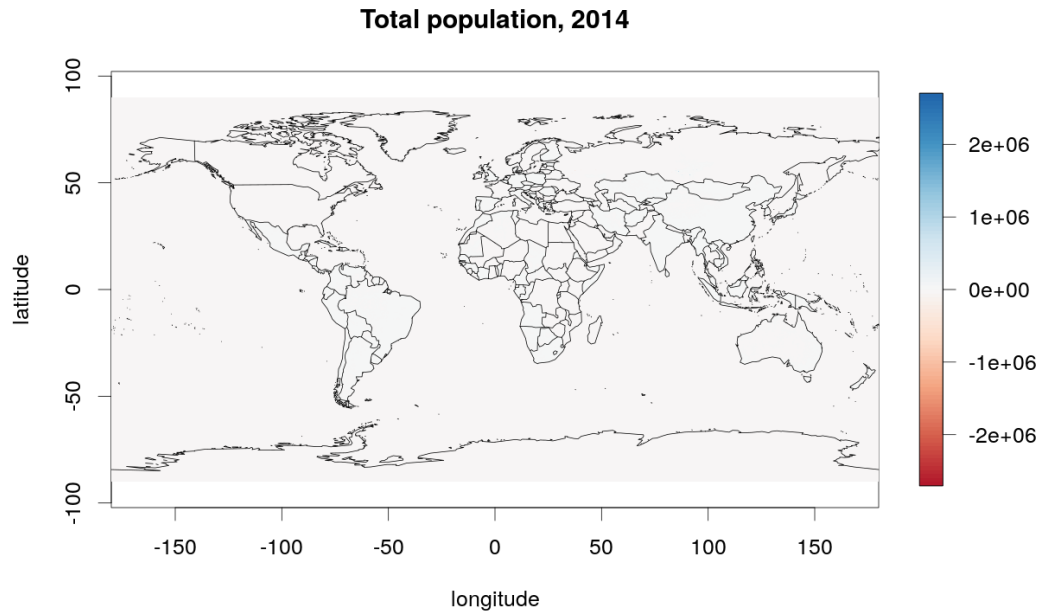
2015



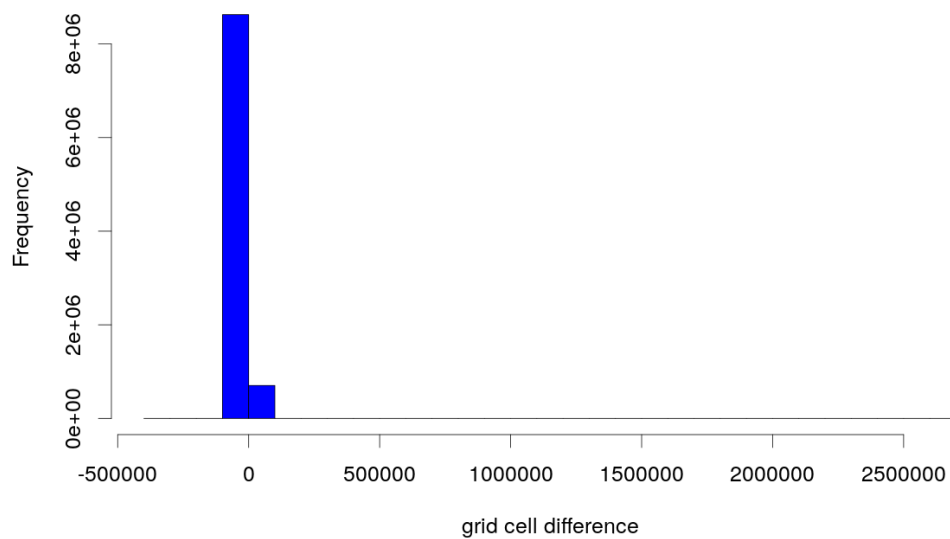
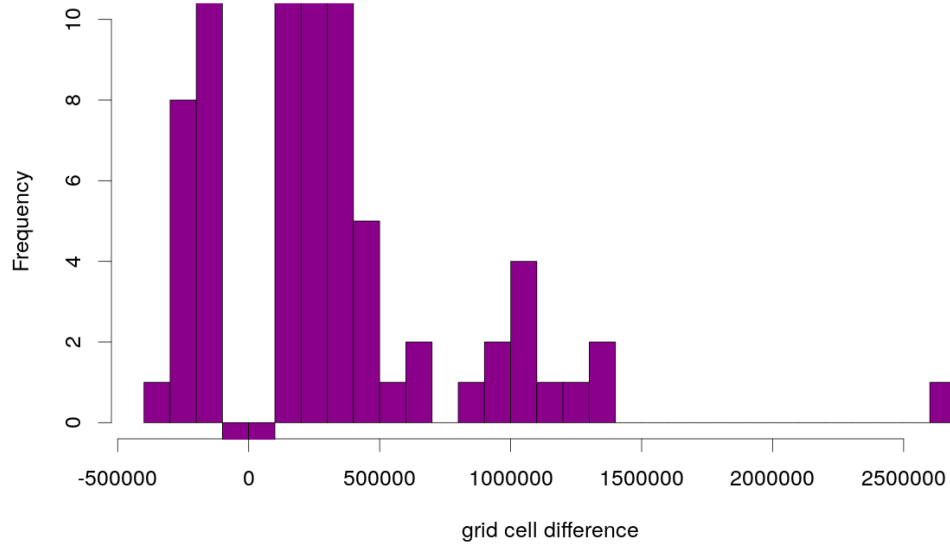
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 7.25696e+09 \\ \sum_x p_x^{(v3.3)} &= 7.27009e+09 \\ \sum_x \Delta_x &= 1.31209e+07 \\ \sum_x |\Delta_x| &= 1.36837e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00180804 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.018856 \\ \max_x \Delta_x &= 2.67588e+06 \\ \min_x \Delta_x &= -318427\end{aligned}$$

Total population, 2015**Total population, 2015**

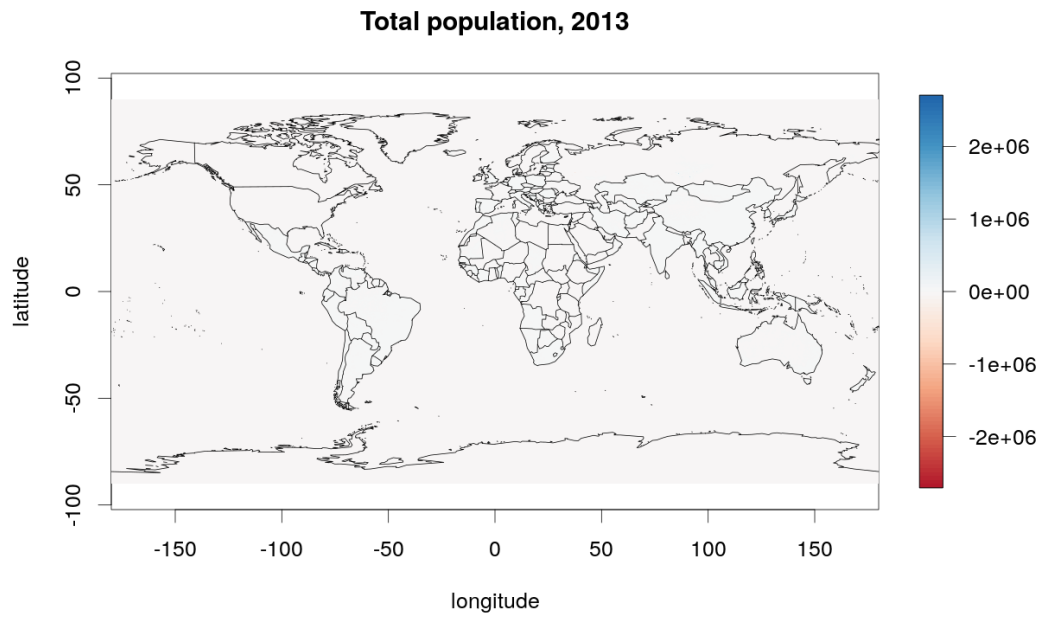
2014



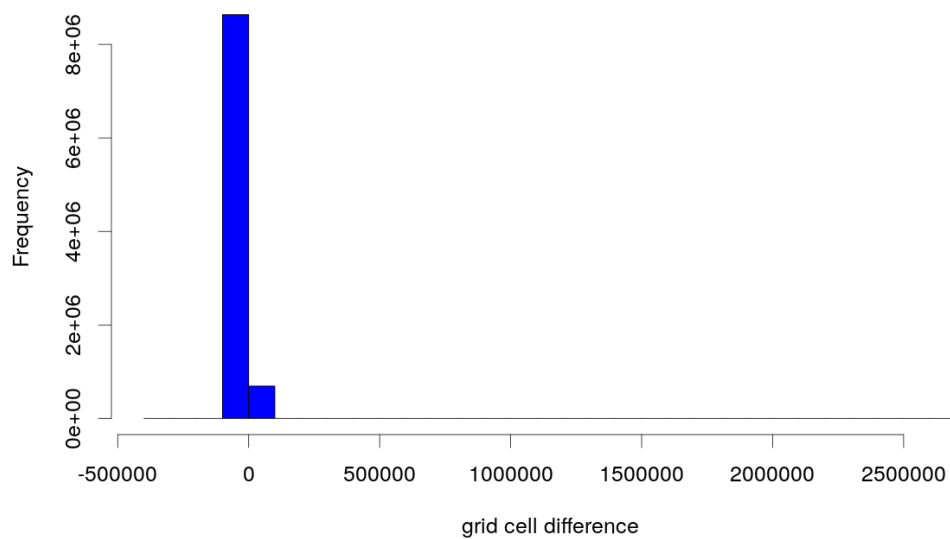
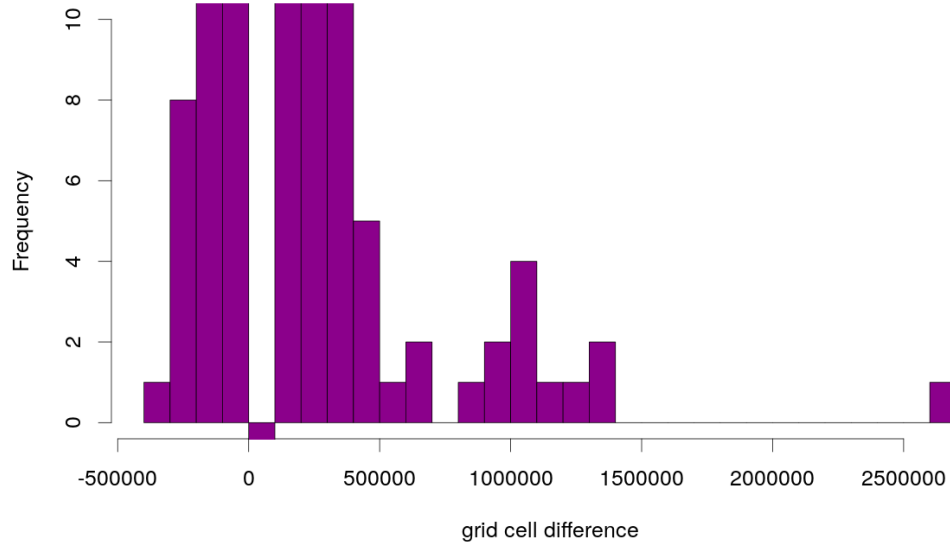
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 7.18207\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 7.19312\text{e}+09 \\ \sum_x \Delta_x &= 1.10496\text{e}+07 \\ \sum_x |\Delta_x| &= 1.324\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0015385 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0184348 \\ \max_x \Delta_x &= 2.67774\text{e}+06 \\ \min_x \Delta_x &= -318649 \end{aligned}$$

Total population, 2014**Total population, 2014**

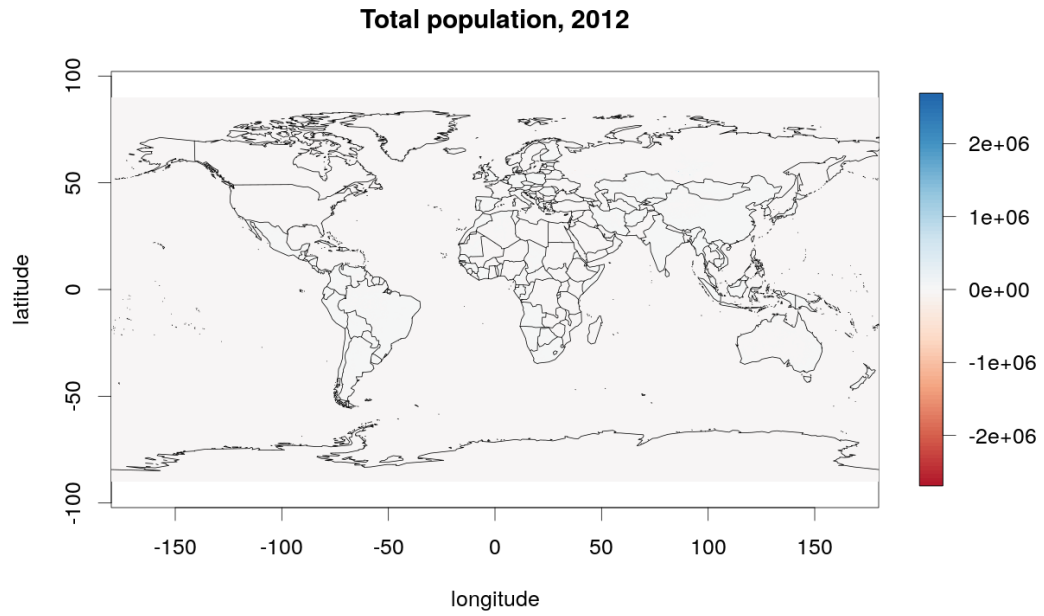
2013



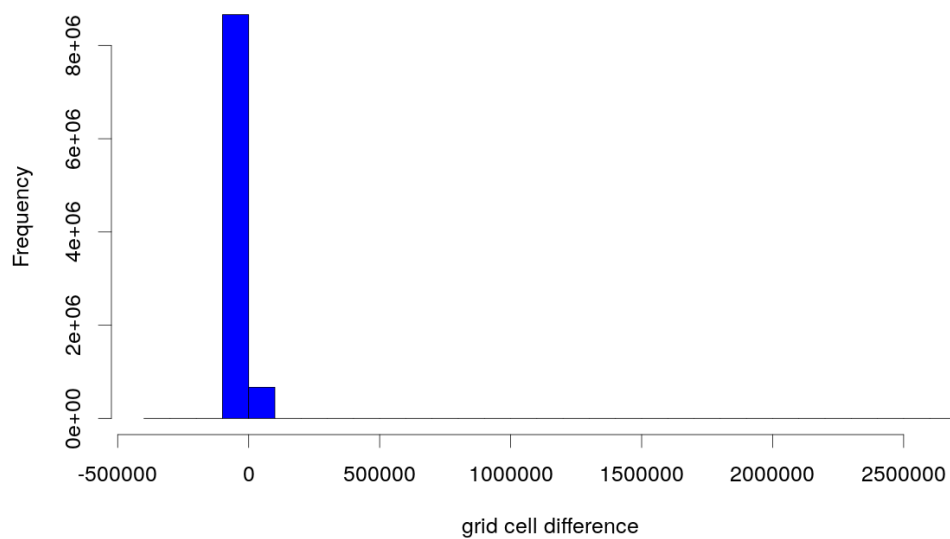
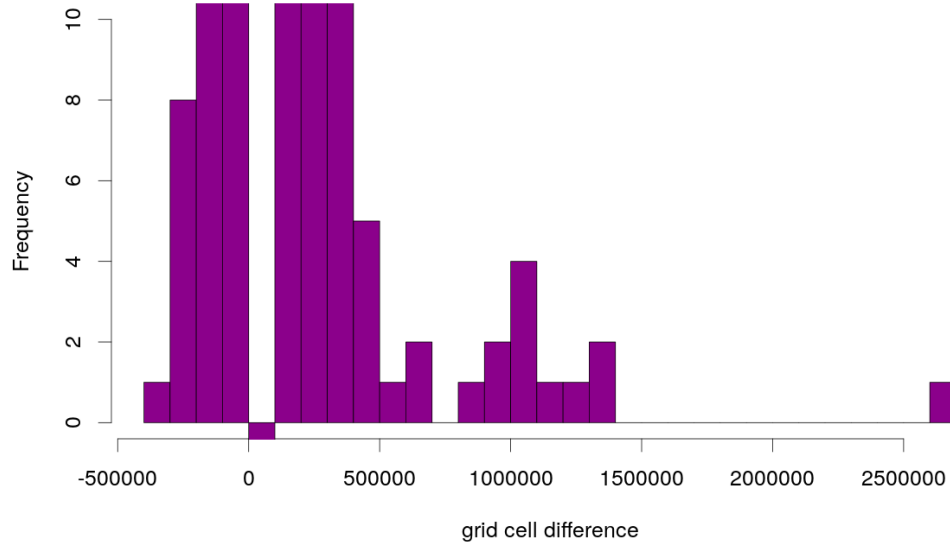
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 7.10717\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 7.117\text{e}+09 \\
 \sum_x \Delta_x &= 9.82934\text{e}+06 \\
 \sum_x |\Delta_x| &= 1.28852\text{e}+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00138302 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0181299 \\
 \max_x \Delta_x &= 2.67959\text{e}+06 \\
 \min_x \Delta_x &= -318870
 \end{aligned}$$

Total population, 2013**Total population, 2013**

2012

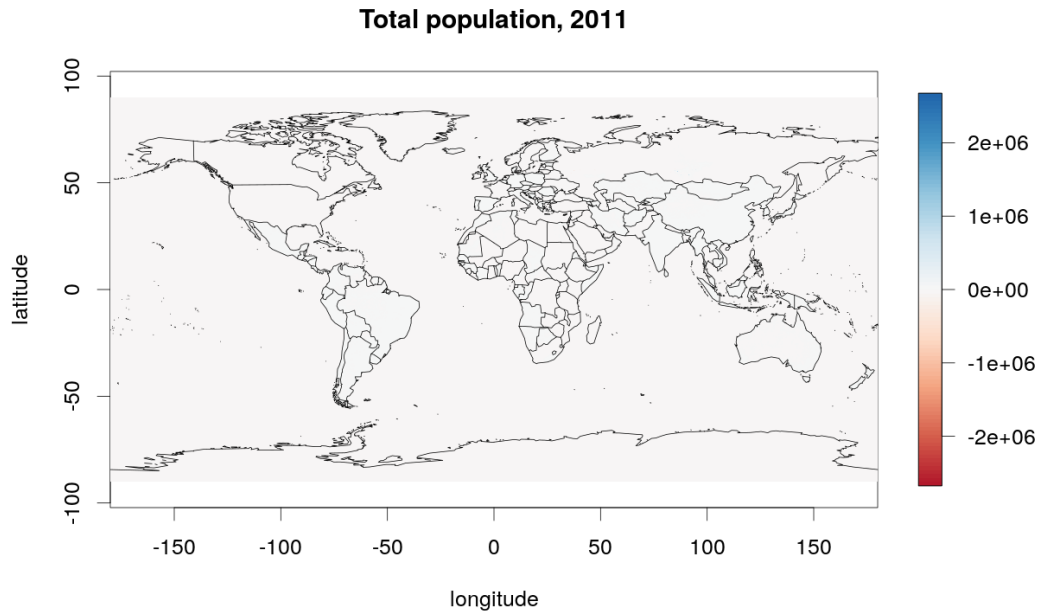


$$\begin{aligned}
 \sum_x p_x^{(v^{3.2.1})} &= 7.03227e+09 \\
 \sum_x p_x^{(v^{3.3})} &= 7.04042e+09 \\
 \sum_x \Delta_x &= 8.14728e+06 \\
 \sum_x |\Delta_x| &= 1.25238e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.00115856 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.017809 \\
 \max_x \Delta_x &= 2.6637e+06 \\
 \min_x \Delta_x &= -327928
 \end{aligned}$$

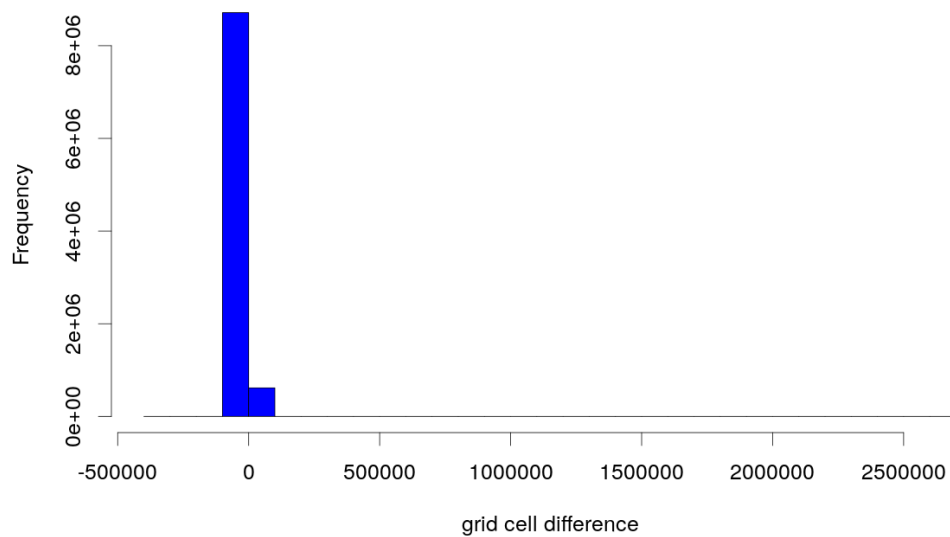
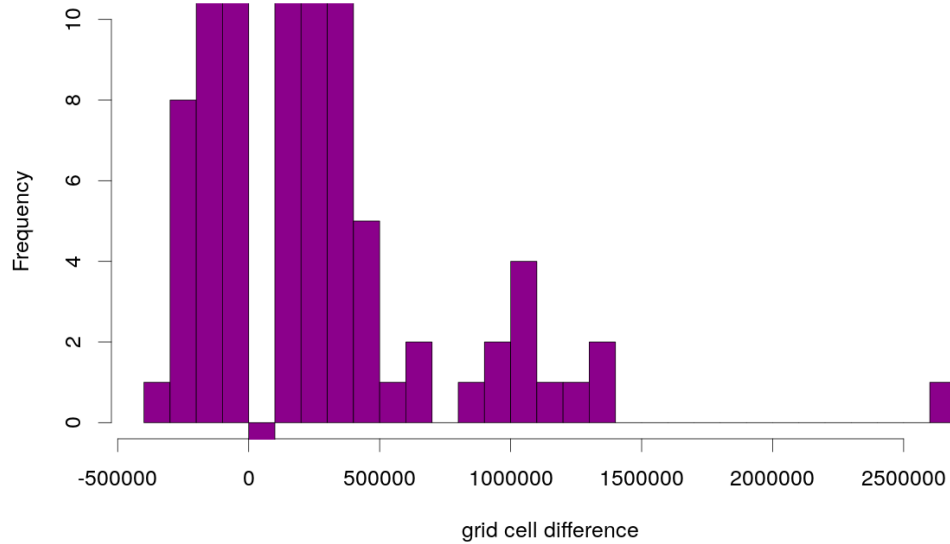
Total population, 2012**Total population, 2012**

20

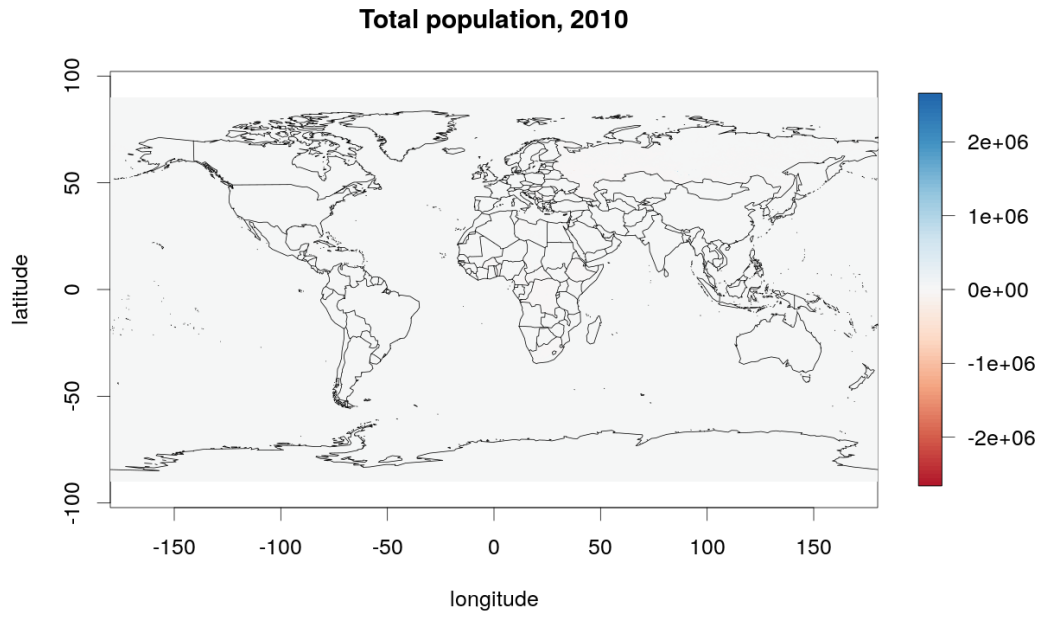
2011



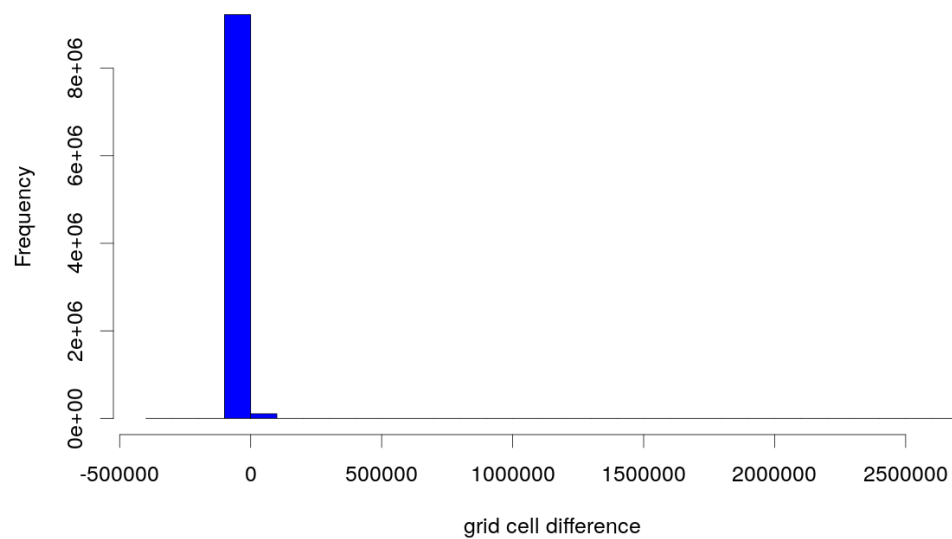
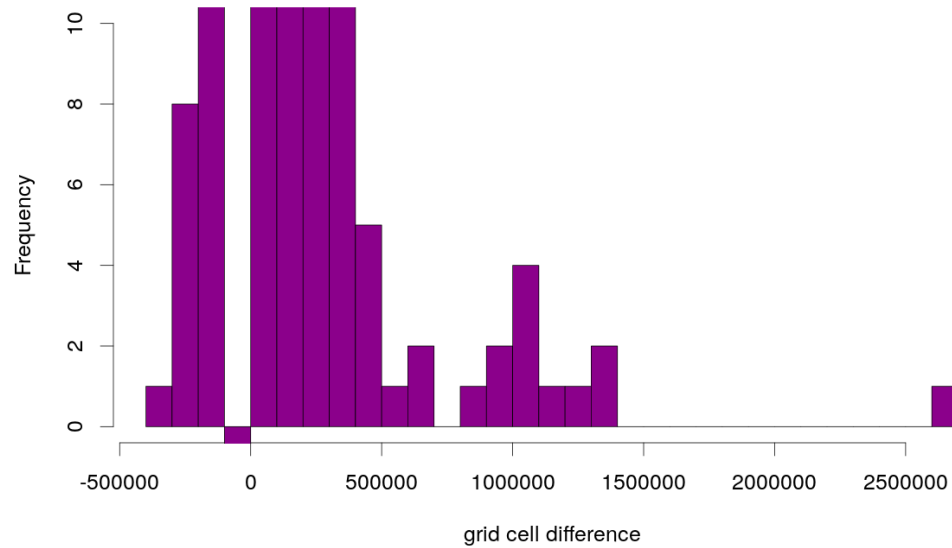
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 6.95737e+09 \\ \sum_x p_x^{(v3.3)} &= 6.96412e+09 \\ \sum_x \Delta_x &= 6.74929e+06 \\ \sum_x |\Delta_x| &= 1.21982e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000970092 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0175328 \\ \max_x \Delta_x &= 2.6478e+06 \\ \min_x \Delta_x &= -327164 \end{aligned}$$

Total population, 2011**Total population, 2011**

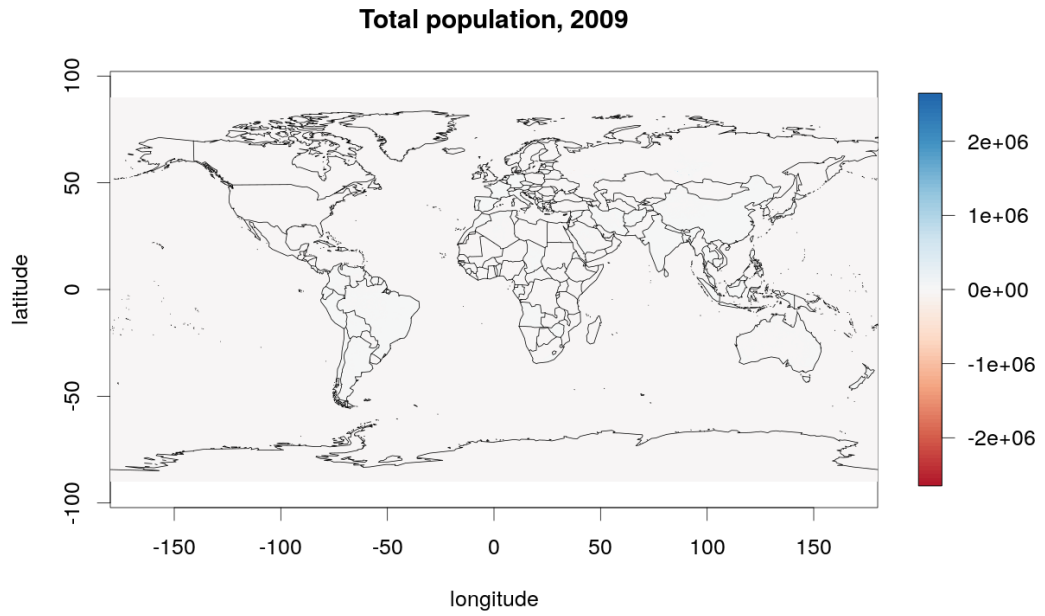
2010



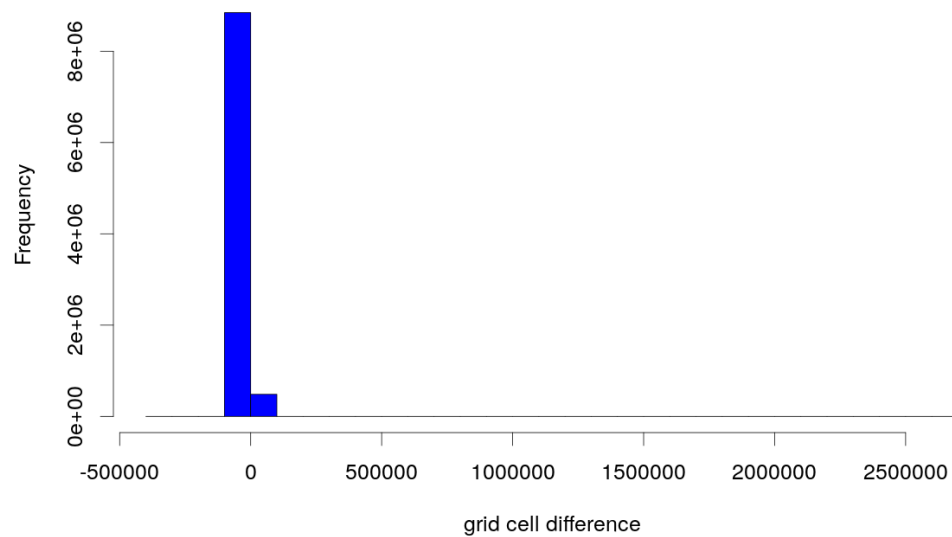
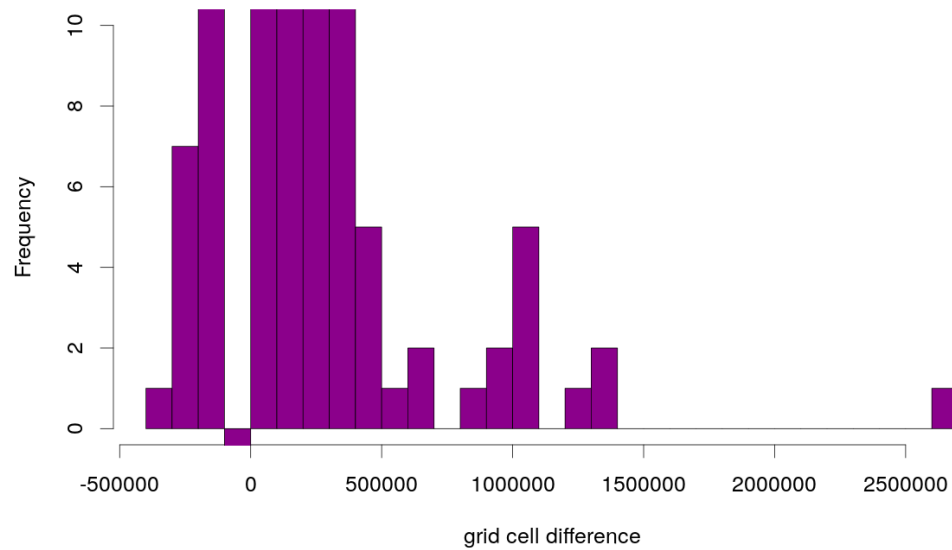
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.88247e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.8846e+09 \\
 \sum_x \Delta_x &= 2.13261e+06 \\
 \sum_x |\Delta_x| &= 1.23092e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000309861 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0178849 \\
 \max_x \Delta_x &= 2.63189e+06 \\
 \min_x \Delta_x &= -326399
 \end{aligned}$$

Total population, 2010**Total population, 2010**

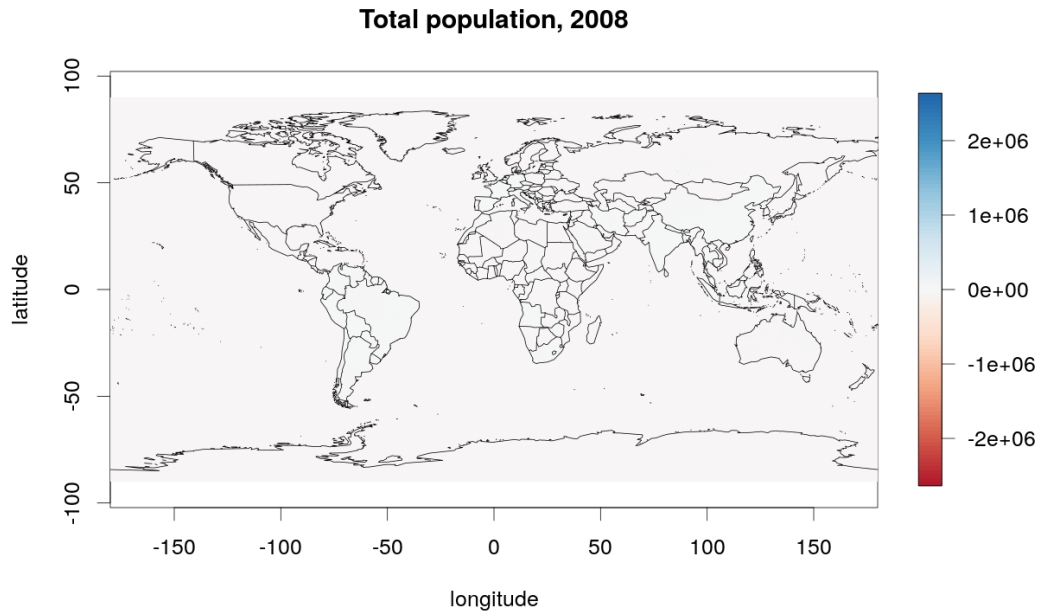
2009



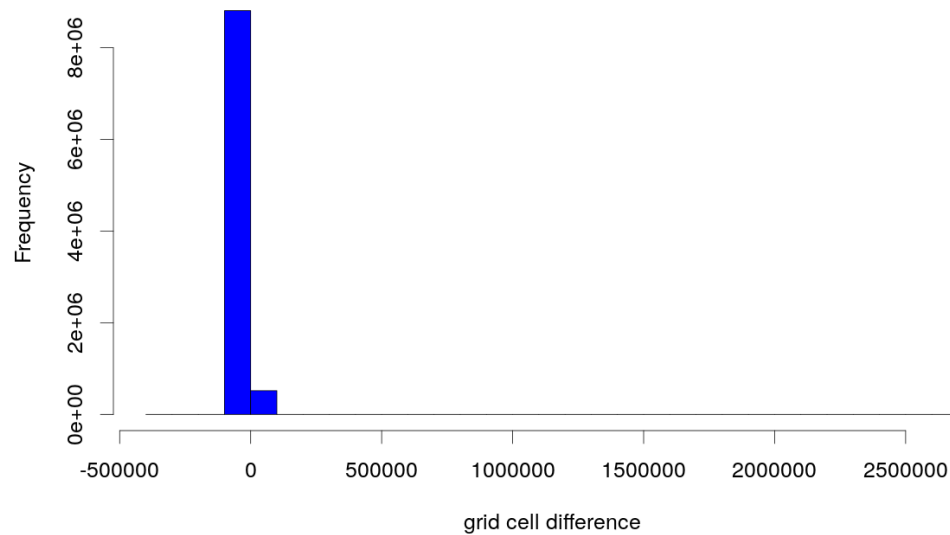
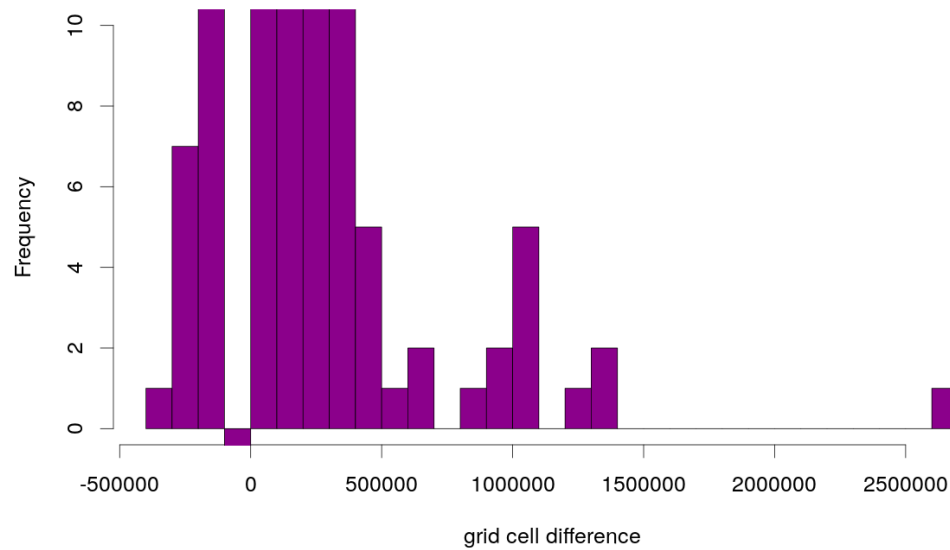
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.80527e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.80928e+09 \\
 \sum_x \Delta_x &= 4.01508e+06 \\
 \sum_x |\Delta_x| &= 1.22987e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000589996 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0180723 \\
 \max_x \Delta_x &= 2.62111e+06 \\
 \min_x \Delta_x &= -326272
 \end{aligned}$$

Total population, 2009**Total population, 2009**

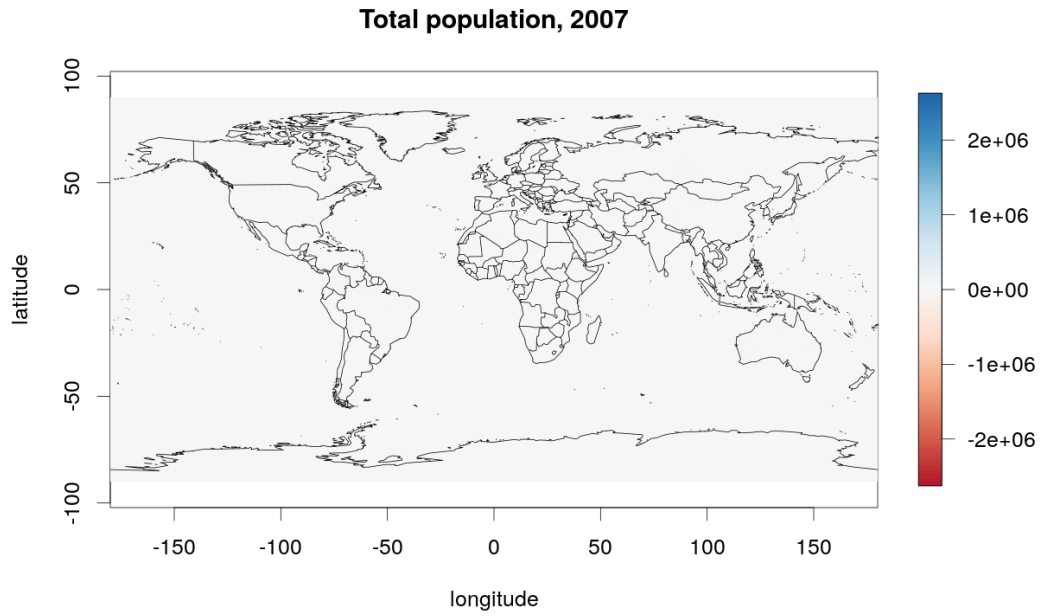
2008



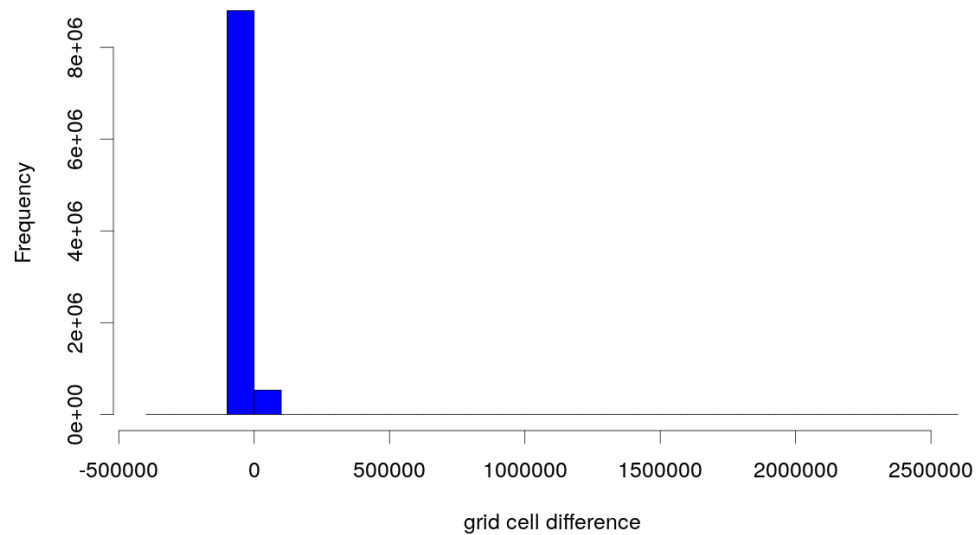
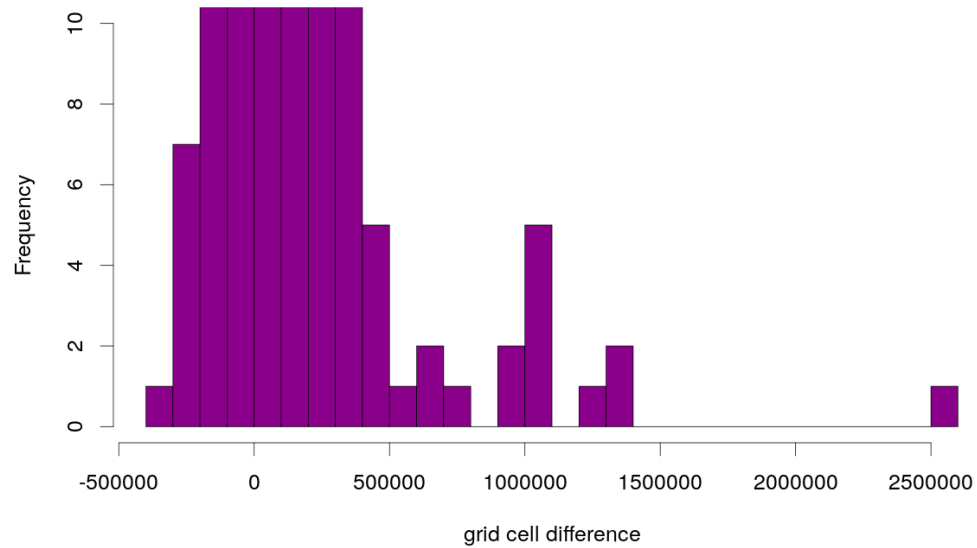
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.72806e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.731e+09 \\
 \sum_x \Delta_x &= 2.93871e+06 \\
 \sum_x |\Delta_x| &= 1.27326e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000436784 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0189246 \\
 \max_x \Delta_x &= 2.61025e+06 \\
 \min_x \Delta_x &= -326140
 \end{aligned}$$

Total population, 2008**Total population, 2008**

2007

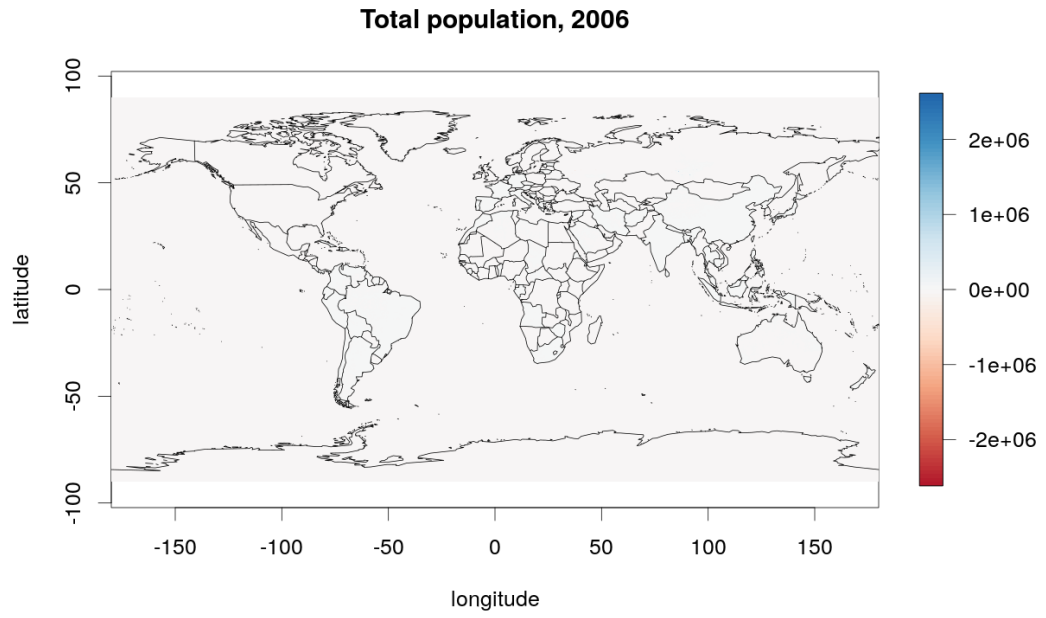


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.65086e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.65286e+09 \\
 \sum_x \Delta_x &= 2.00153e+06 \\
 \sum_x |\Delta_x| &= 1.31971e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000300943 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0198427 \\
 \max_x \Delta_x &= 2.59931e+06 \\
 \min_x \Delta_x &= -326004
 \end{aligned}$$

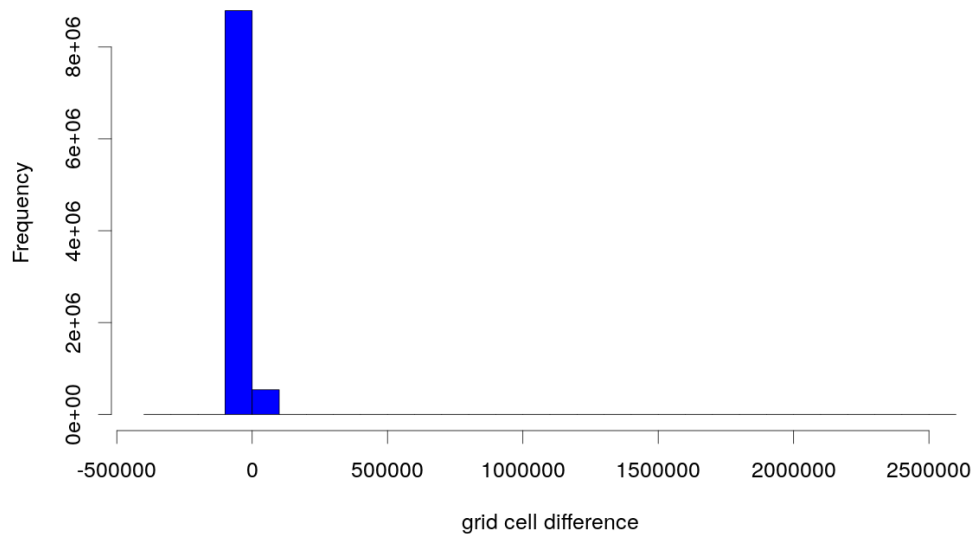
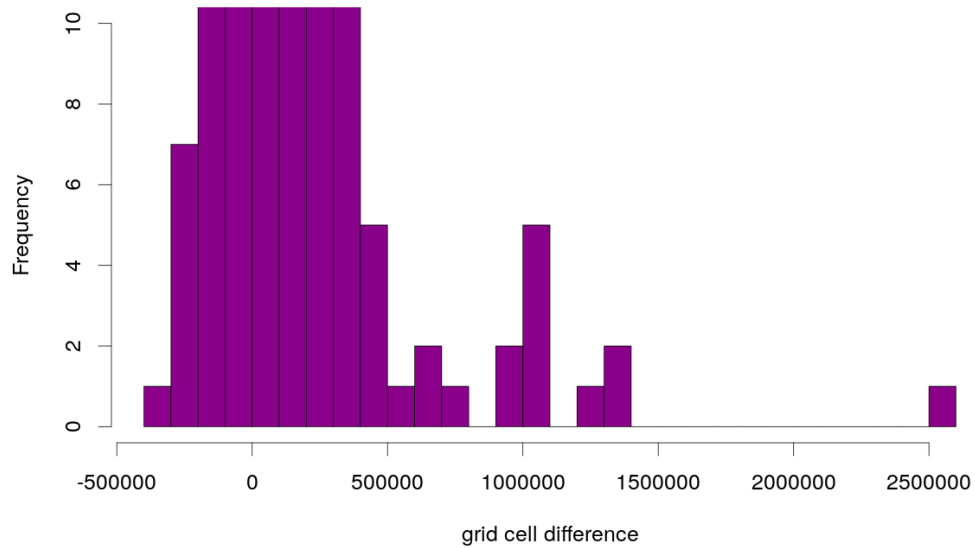
Total population, 2007**Total population, 2007**

30

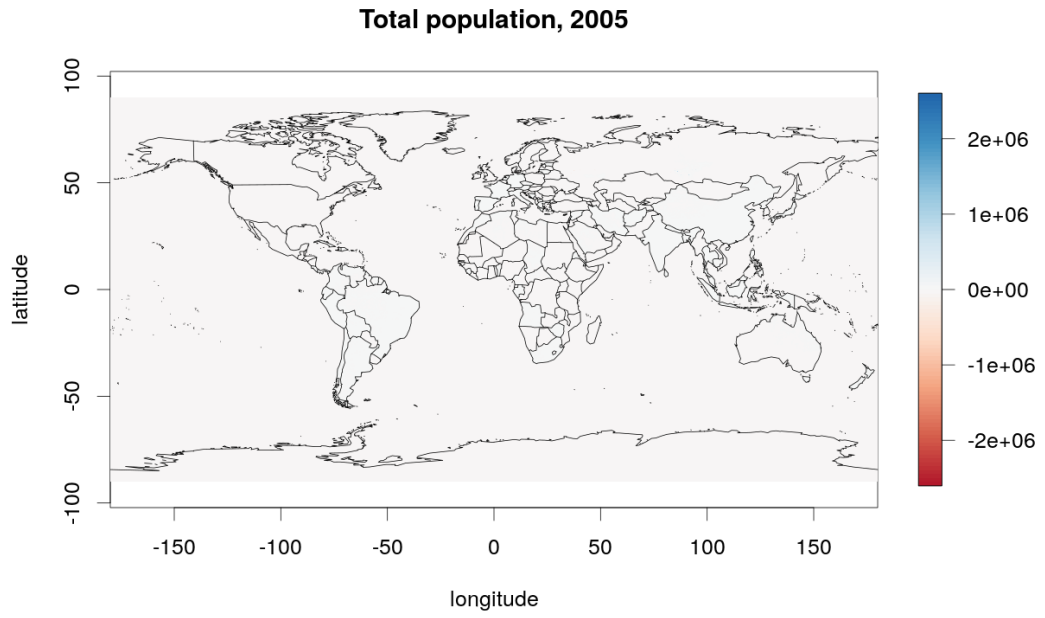
2006



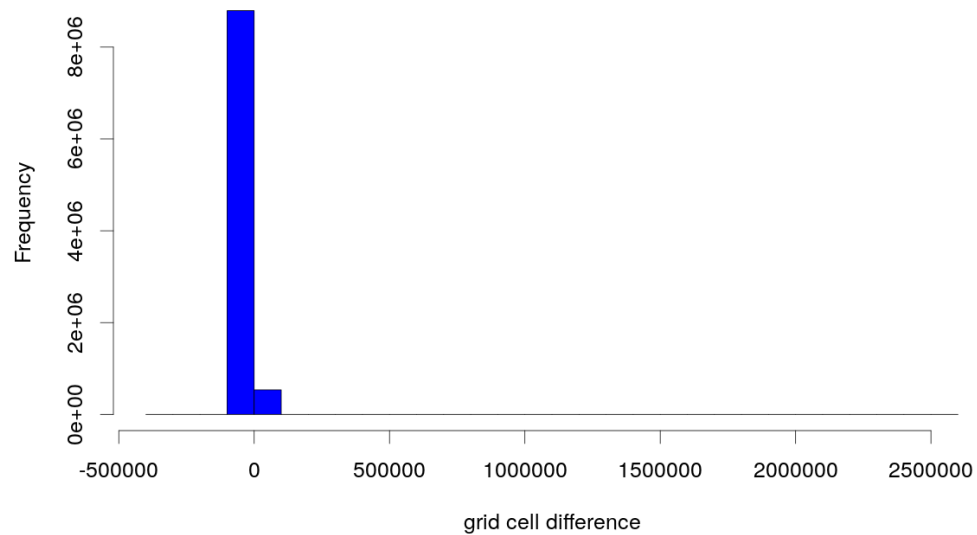
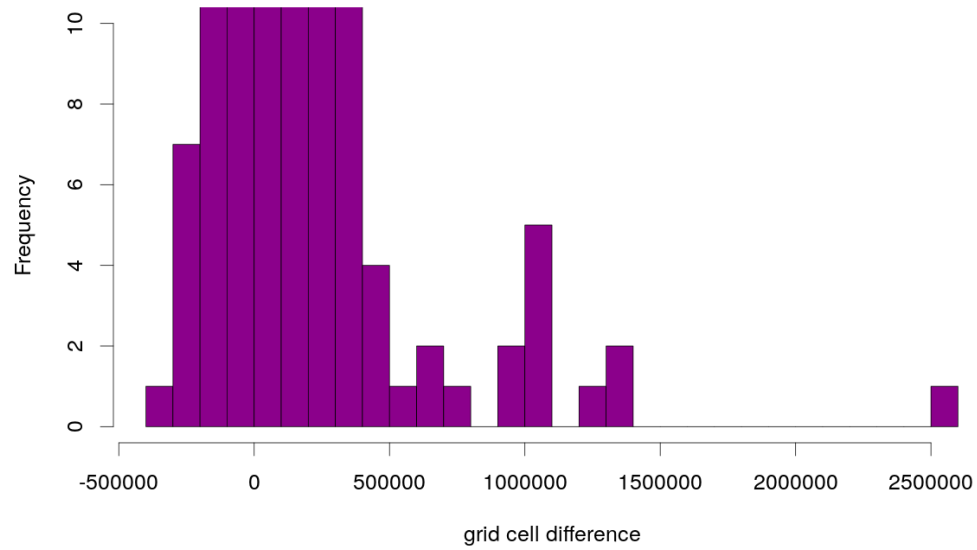
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 6.57366e+09 \\ \sum_x p_x^{(v3.3)} &= 6.57487e+09 \\ \sum_x \Delta_x &= 1.21544e+06 \\ \sum_x |\Delta_x| &= 1.3655e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000184895 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0207723 \\ \max_x \Delta_x &= 2.5883e+06 \\ \min_x \Delta_x &= -325862\end{aligned}$$

Total population, 2006**Total population, 2006**

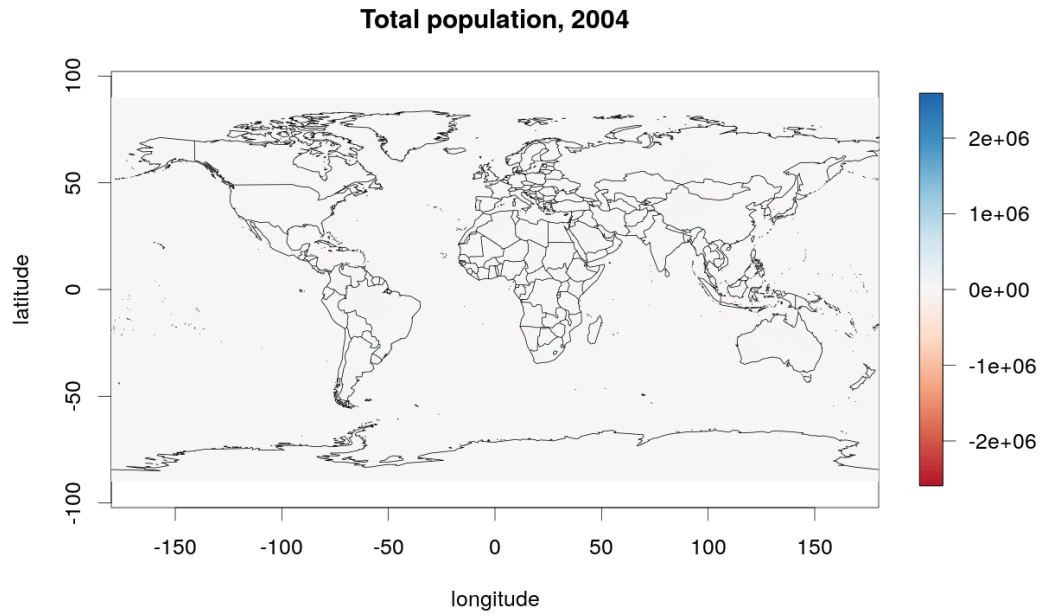
2005



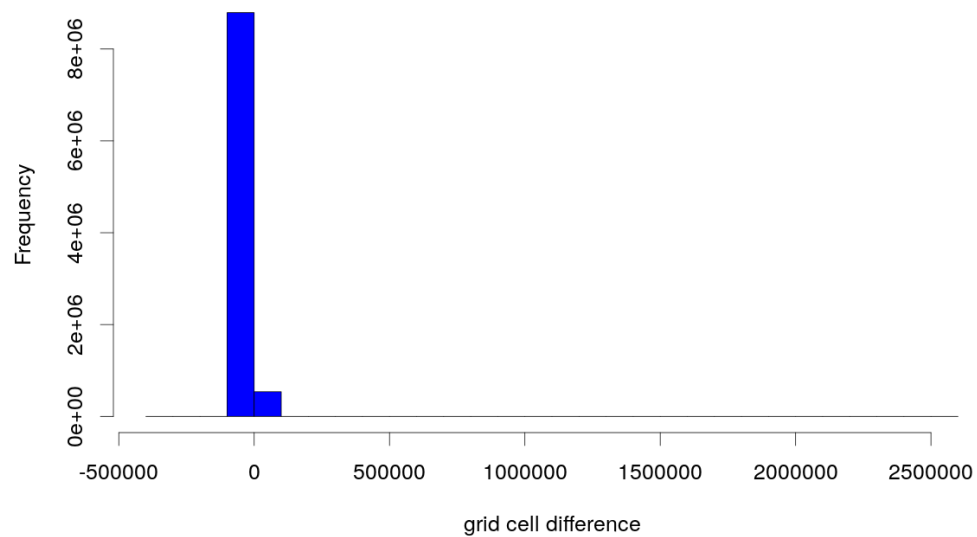
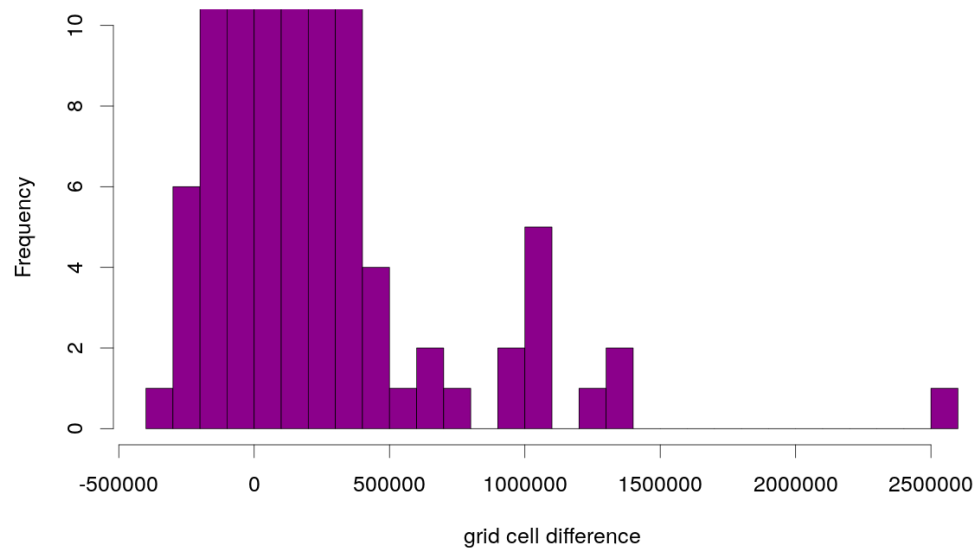
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.49646\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 6.49705\text{e}+09 \\
 \sum_x \Delta_x &= 594217 \\
 \sum_x |\Delta_x| &= 1.41056\text{e}+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 9.14678\text{e}-05 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0217127 \\
 \max_x \Delta_x &= 2.57721\text{e}+06 \\
 \min_x \Delta_x &= -325715
 \end{aligned}$$

Total population, 2005**Total population, 2005**

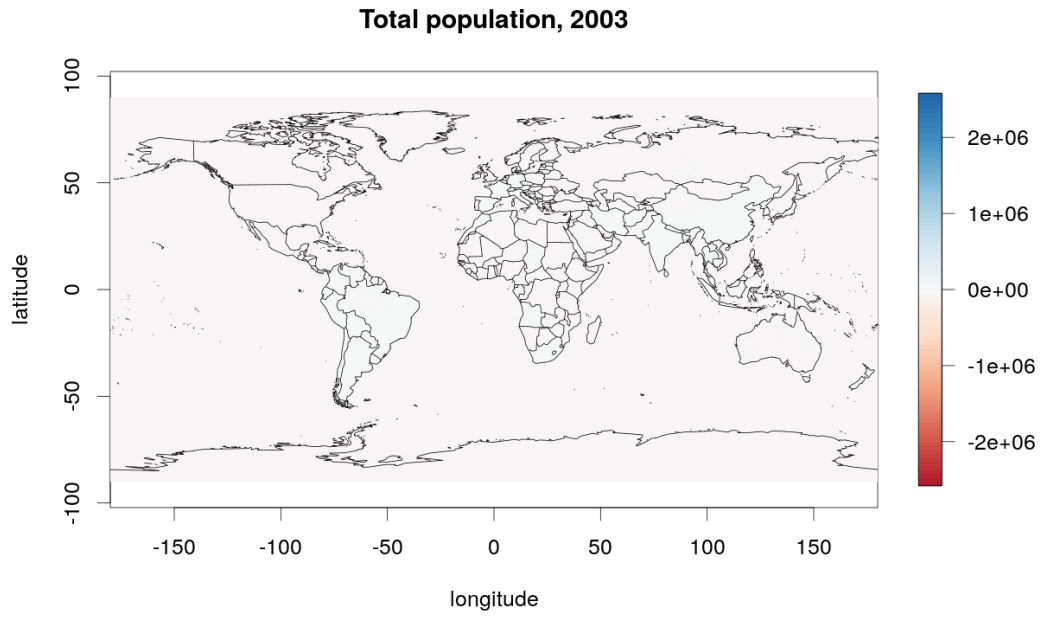
2004



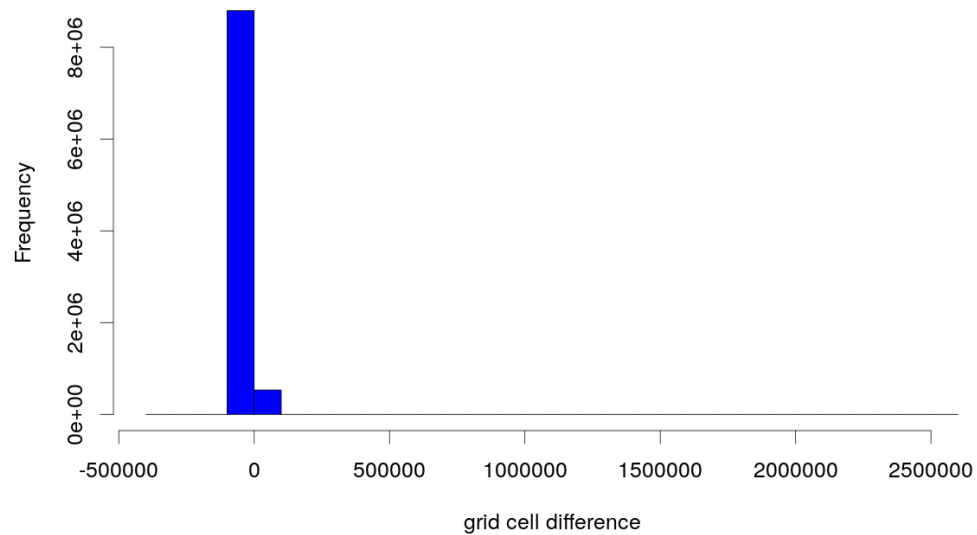
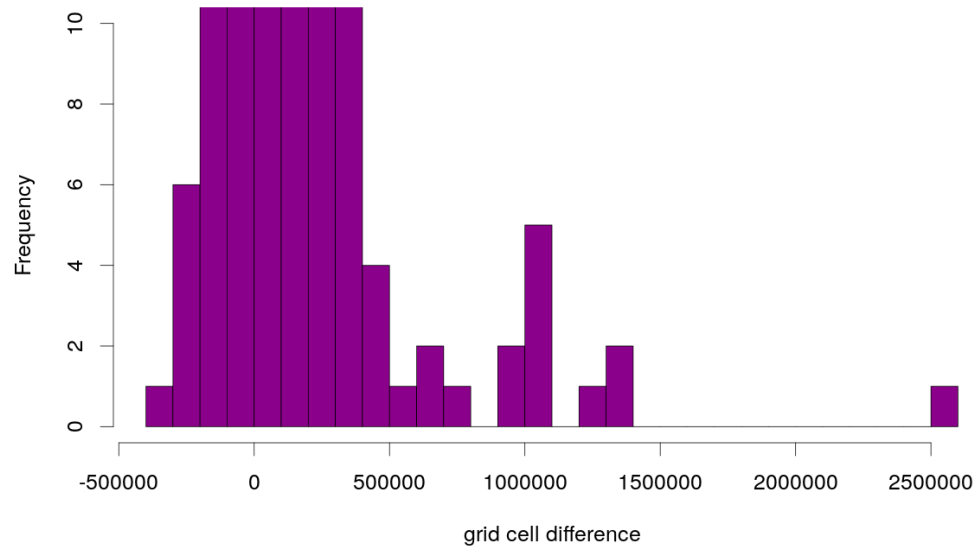
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.41925e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.41985e+09 \\
 \sum_x \Delta_x &= 596269 \\
 \sum_x |\Delta_x| &= 1.36575e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 9.28876e-05 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0212758 \\
 \max_x \Delta_x &= 2.56604e+06 \\
 \min_x \Delta_x &= -325563
 \end{aligned}$$

Total population, 2004**Total population, 2004**

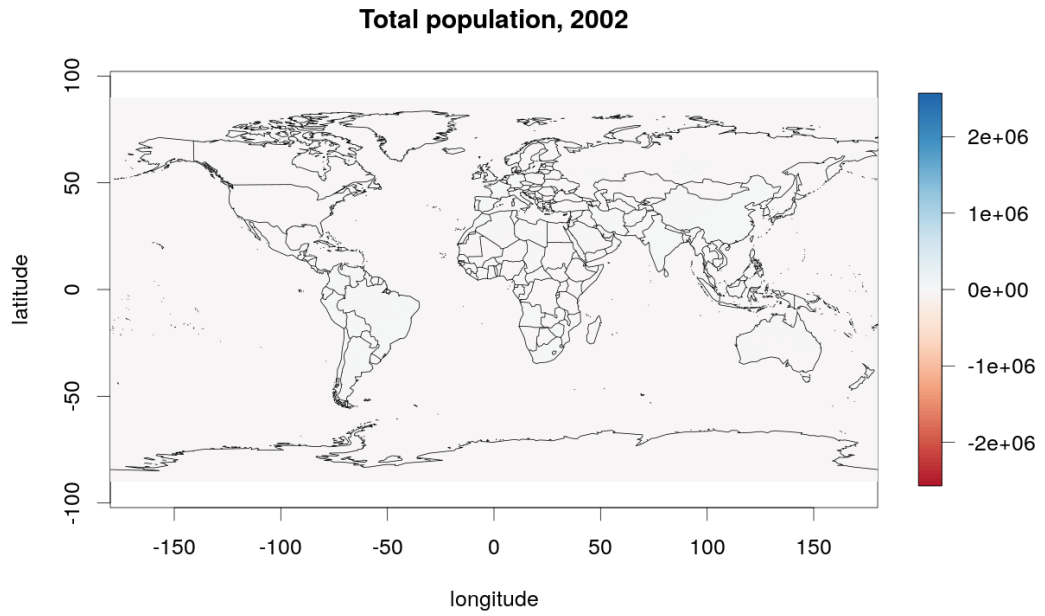
2003



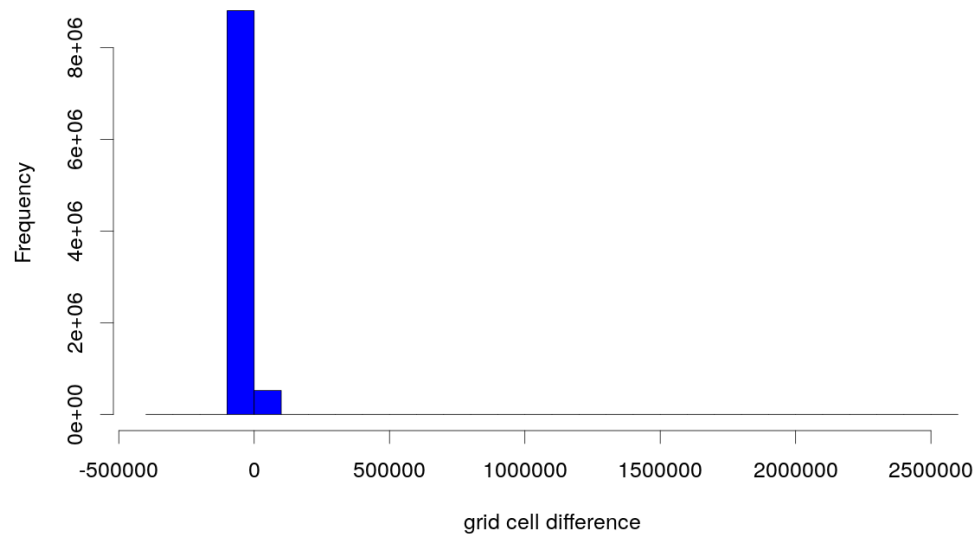
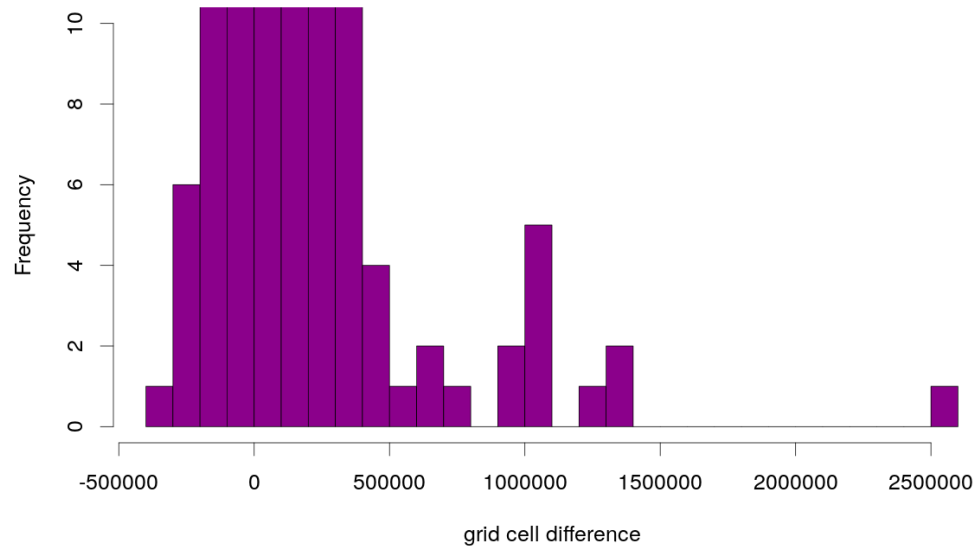
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.34205e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.34261e+09 \\
 \sum_x \Delta_x &= 555897 \\
 \sum_x |\Delta_x| &= 1.319e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 8.76526e-05 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0207977 \\
 \max_x \Delta_x &= 2.5548e+06 \\
 \min_x \Delta_x &= -325406
 \end{aligned}$$

Total population, 2003**Total population, 2003**

2002

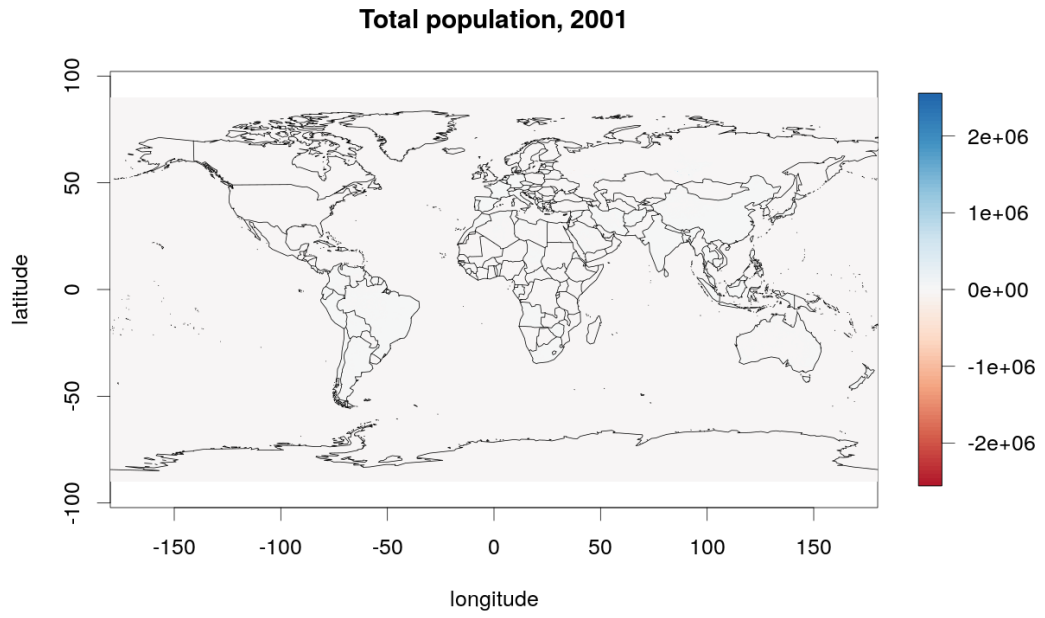


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 6.26485e+09 \\
 \sum_x p_x^{(v3.3)} &= 6.26557e+09 \\
 \sum_x \Delta_x &= 724462 \\
 \sum_x |\Delta_x| &= 1.27223e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000115639 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0203074 \\
 \max_x \Delta_x &= 2.54349e+06 \\
 \min_x \Delta_x &= -325244
 \end{aligned}$$

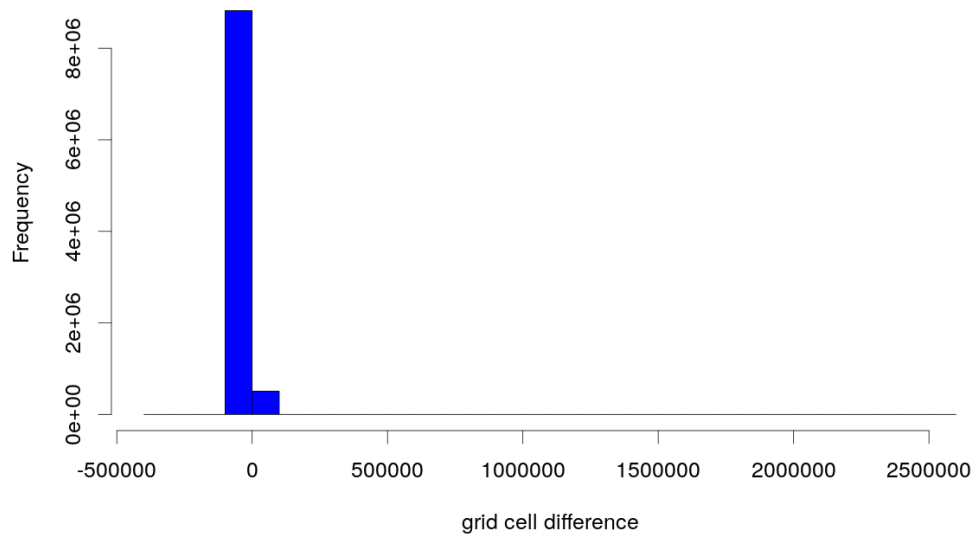
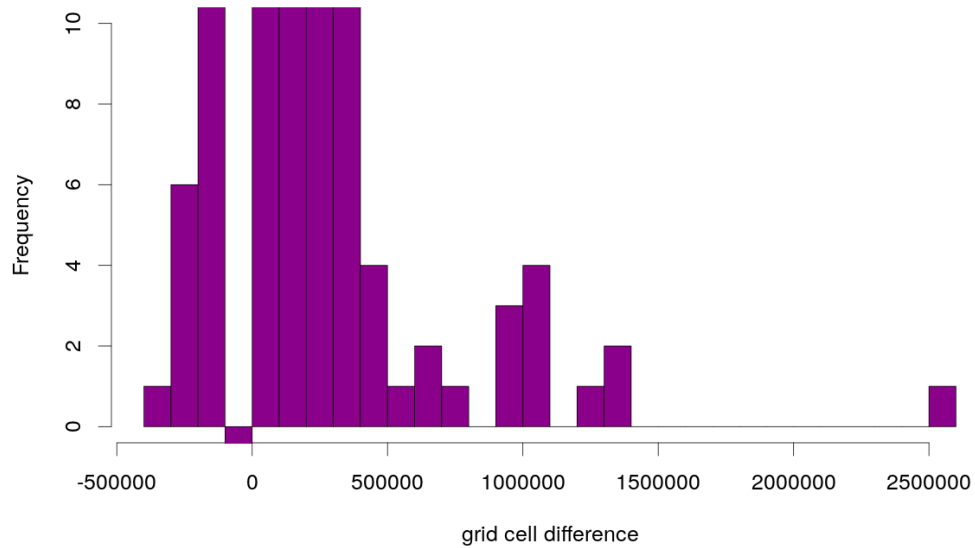
Total population, 2002**Total population, 2002**

40

2001

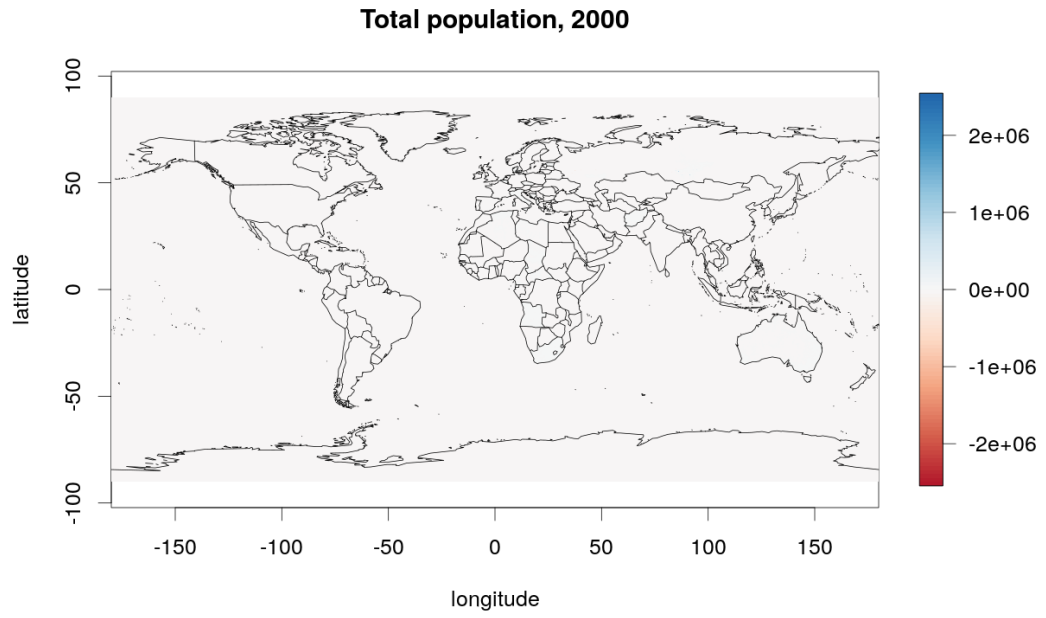


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 6.18765e+09 \\ \sum_x p_x^{(v3.3)} &= 6.18883e+09 \\ \sum_x \Delta_x &= 1.18051e+06 \\ \sum_x |\Delta_x| &= 1.22565e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000190785 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.019808 \\ \max_x \Delta_x &= 2.53211e+06 \\ \min_x \Delta_x &= -325078\end{aligned}$$

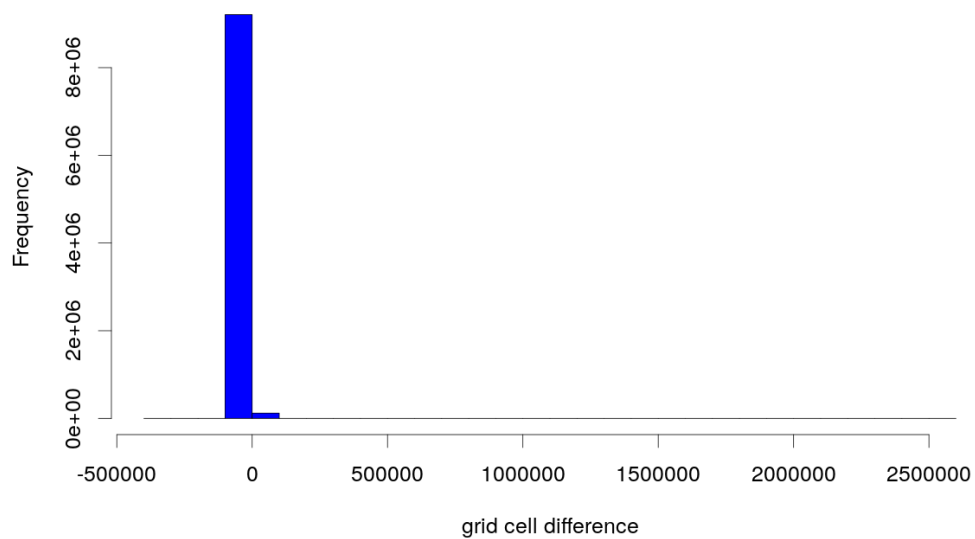
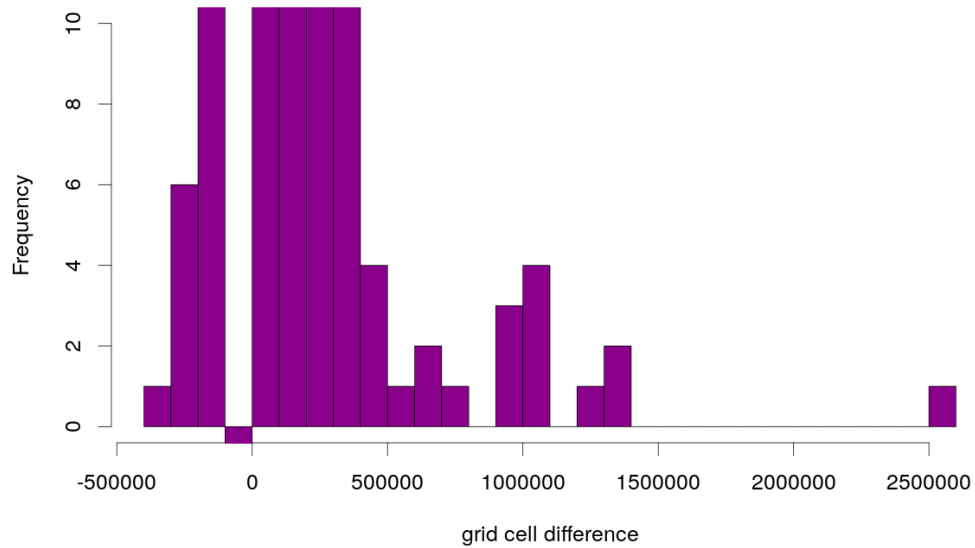
Total population, 2001**Total population, 2001**

42

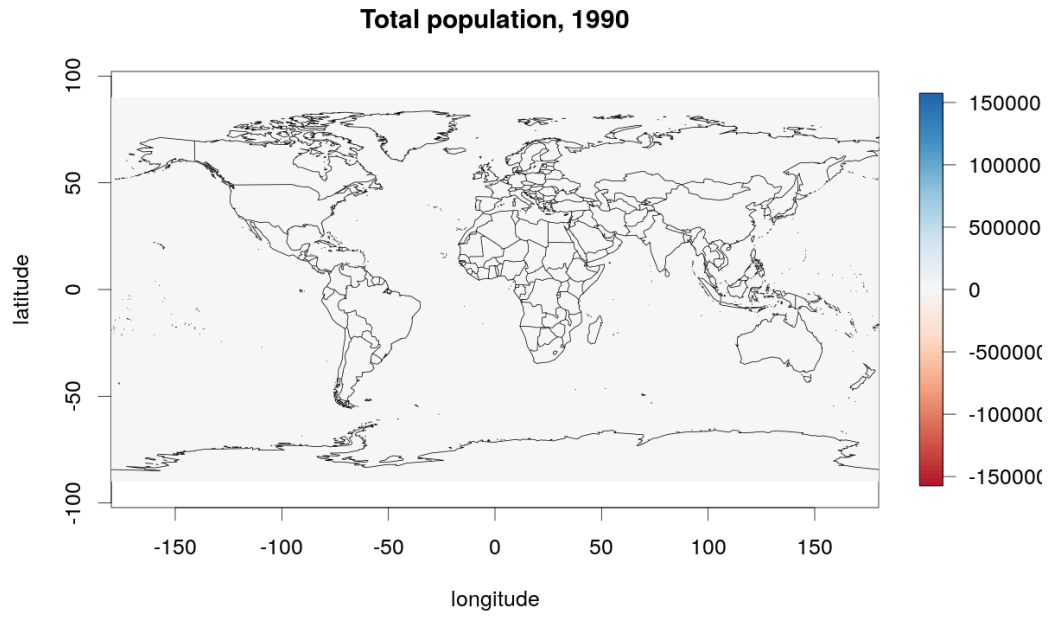
2000



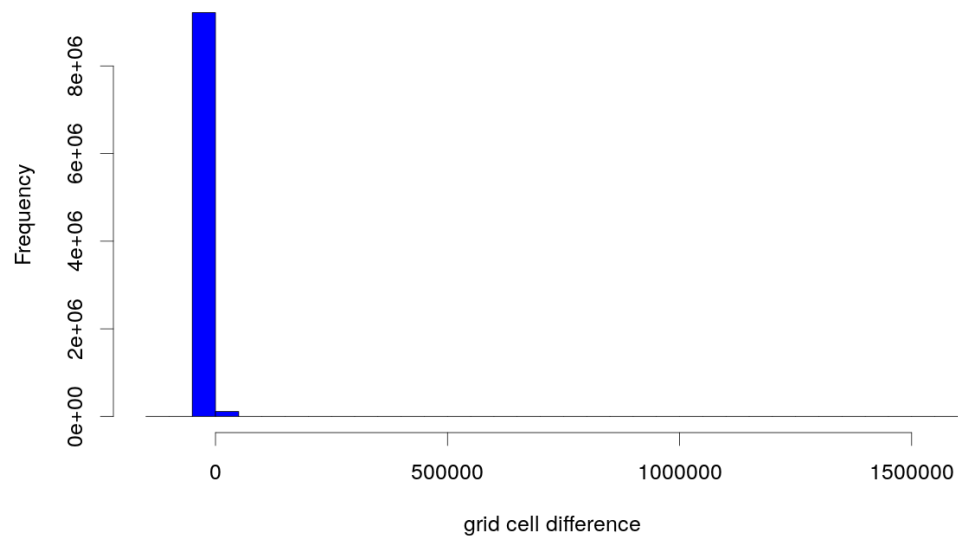
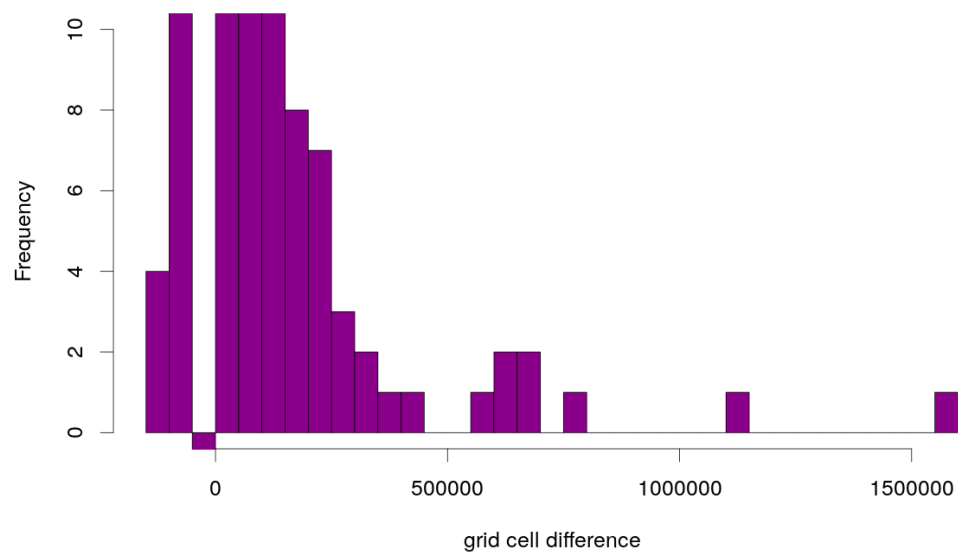
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 6.11044e+09 \\ \sum_x p_x^{(v3.3)} &= 6.11076e+09 \\ \sum_x \Delta_x &= 313136 \\ \sum_x |\Delta_x| &= 1.20924e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 5.12461e-05 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0197897 \\ \max_x \Delta_x &= 2.52065e+06 \\ \min_x \Delta_x &= -324906\end{aligned}$$

Total population, 2000**Total population, 2000**

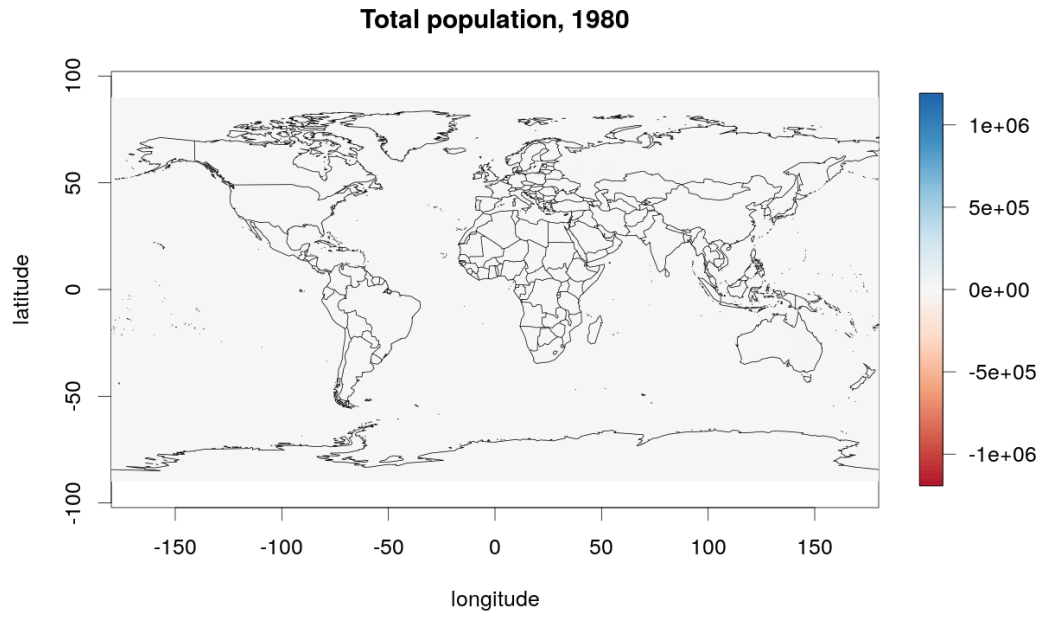
1990



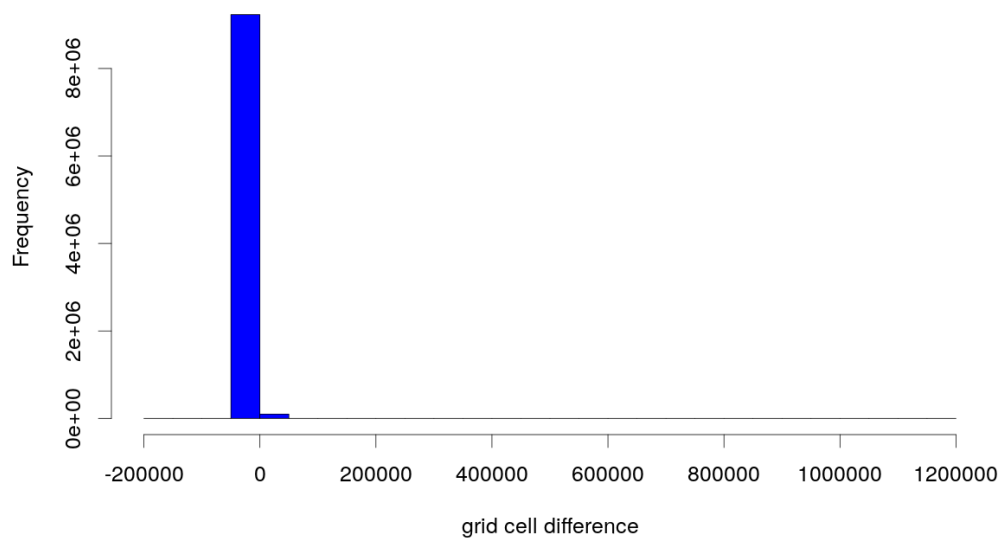
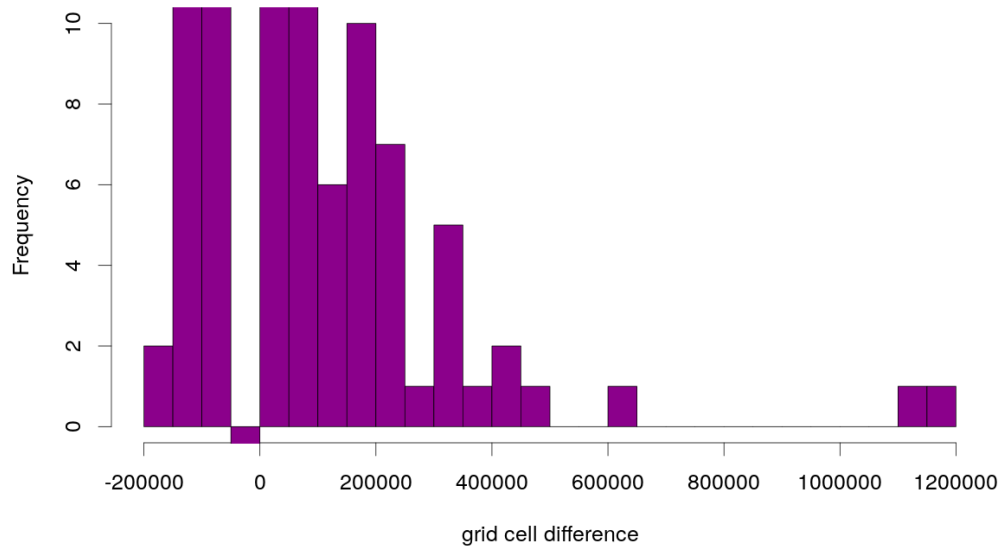
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 5.29783\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 5.29255\text{e}+09 \\ \sum_x \Delta_x &= -5.28245\text{e}+06 \\ \sum_x |\Delta_x| &= 6.6305\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000997097 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0125155 \\ \max_x \Delta_x &= 1.55859\text{e}+06 \\ \min_x \Delta_x &= -144662 \end{aligned}$$

Total population, 1990**Total population, 1990**

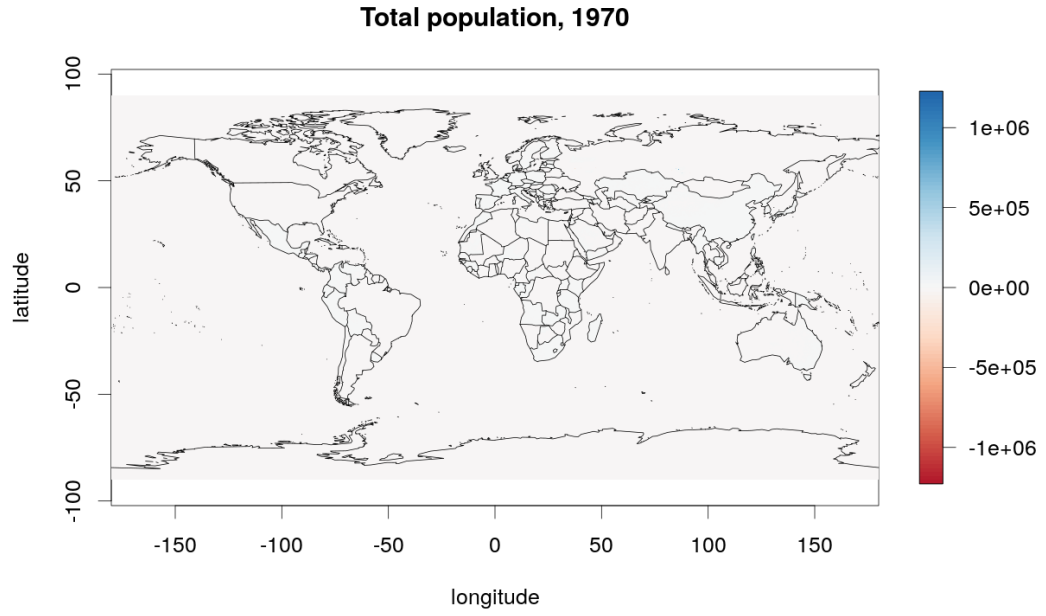
1980



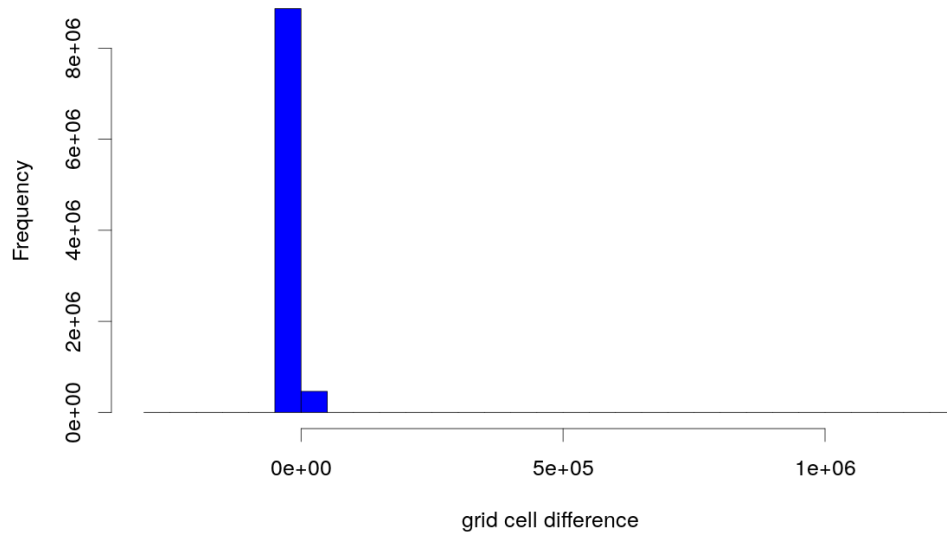
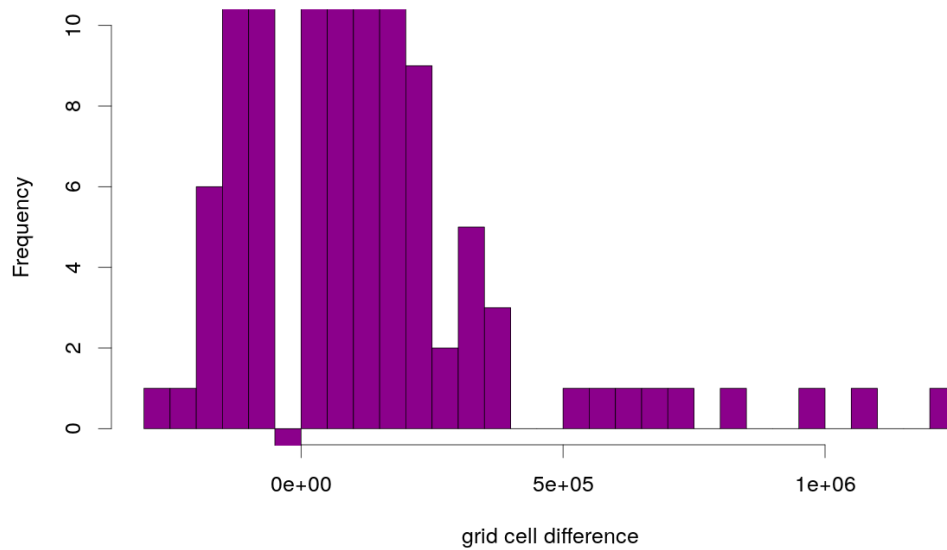
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 4.44716e+09 \\
 \sum_x p_x^{(v3.3)} &= 4.44054e+09 \\
 \sum_x \Delta_x &= -6.62033e+06 \\
 \sum_x |\Delta_x| &= 6.81436e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00148866 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0153229 \\
 \max_x \Delta_x &= 1.18035e+06 \\
 \min_x \Delta_x &= -171458
 \end{aligned}$$

Total population, 1980**Total population, 1980**

1970

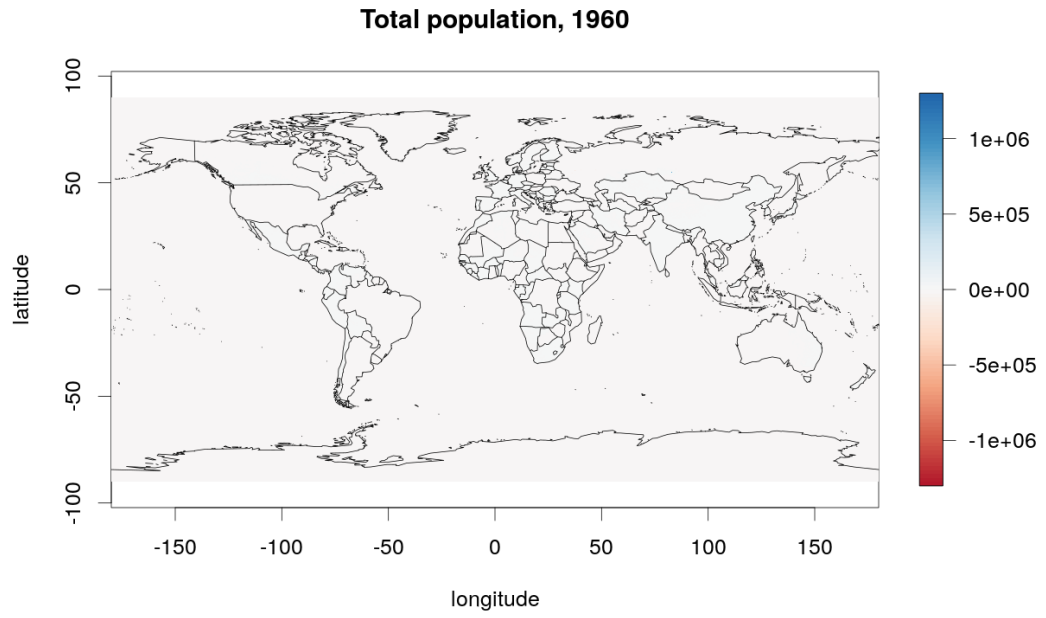


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.69412\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.68167\text{e}+09 \\
 \sum_x \Delta_x &= -1.24451\text{e}+07 \\
 \sum_x |\Delta_x| &= 1.35679\text{e}+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00336889 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0367284 \\
 \max_x \Delta_x &= 1.2154\text{e}+06 \\
 \min_x \Delta_x &= -251637
 \end{aligned}$$

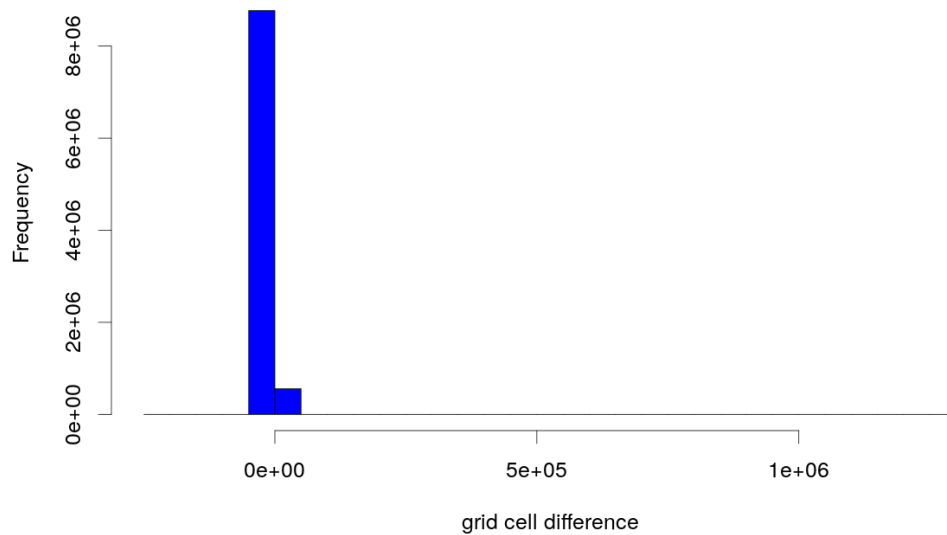
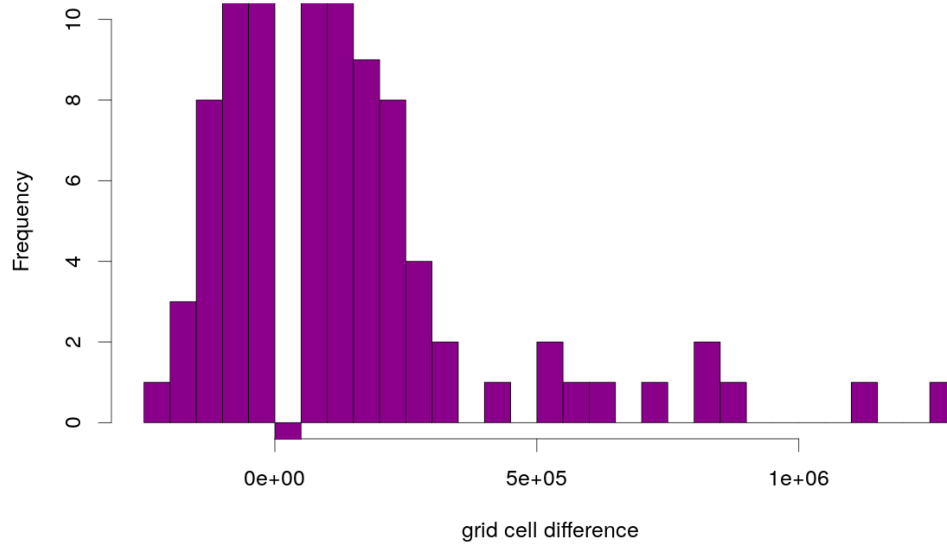
Total population, 1970**Total population, 1970**

50

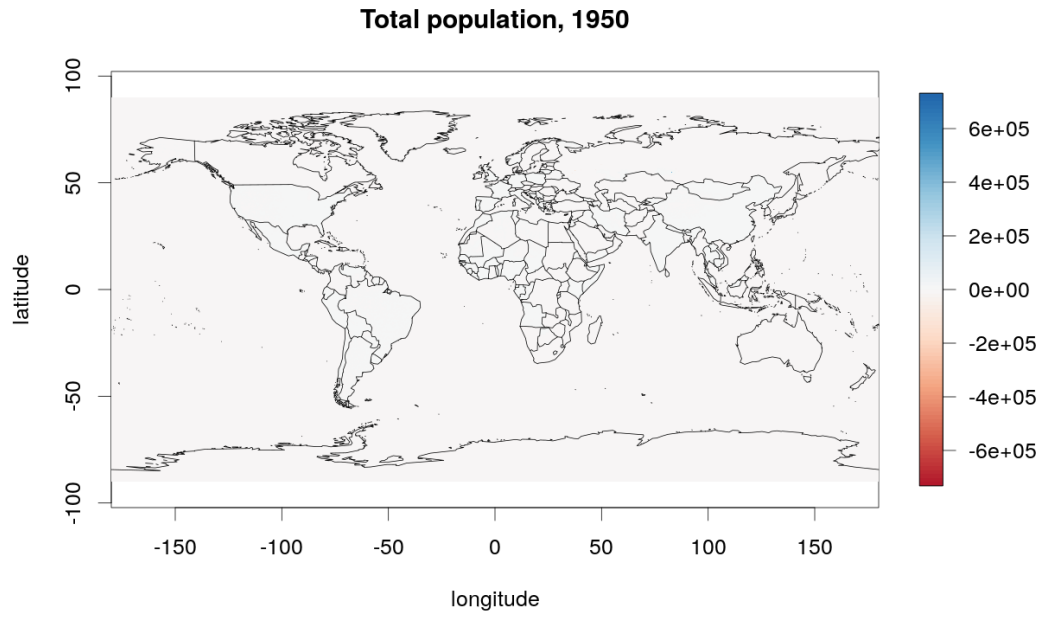
1960



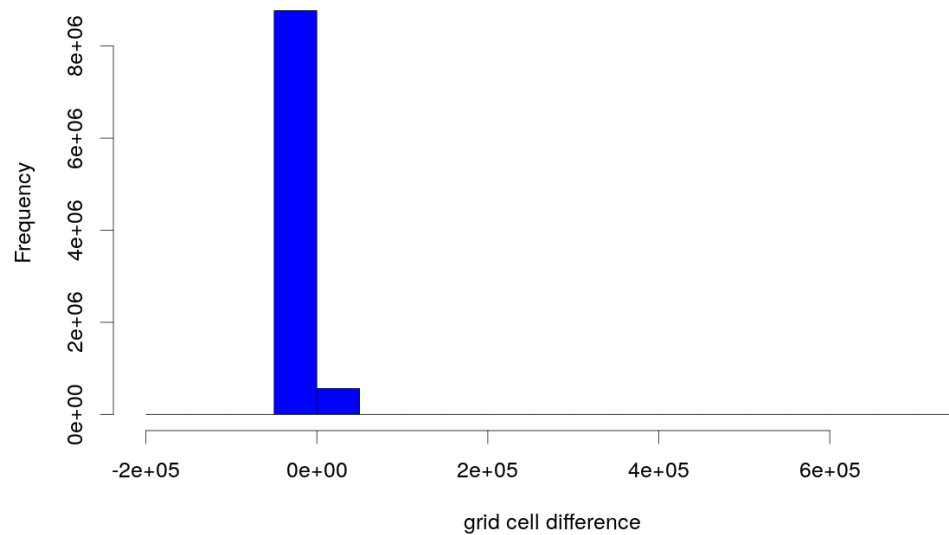
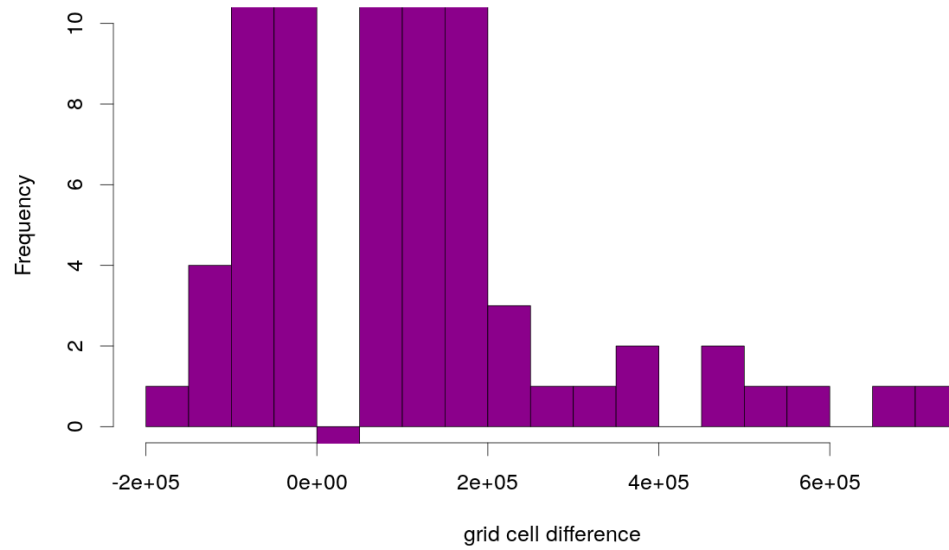
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 3.02282e+09 \\ \sum_x p_x^{(v3.3)} &= 3.02095e+09 \\ \sum_x \Delta_x &= -1.87325e+06 \\ \sum_x |\Delta_x| &= 1.38705e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000619703 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.045886 \\ \max_x \Delta_x &= 1.28762e+06 \\ \min_x \Delta_x &= -208091\end{aligned}$$

Total population, 1960**Total population, 1960**

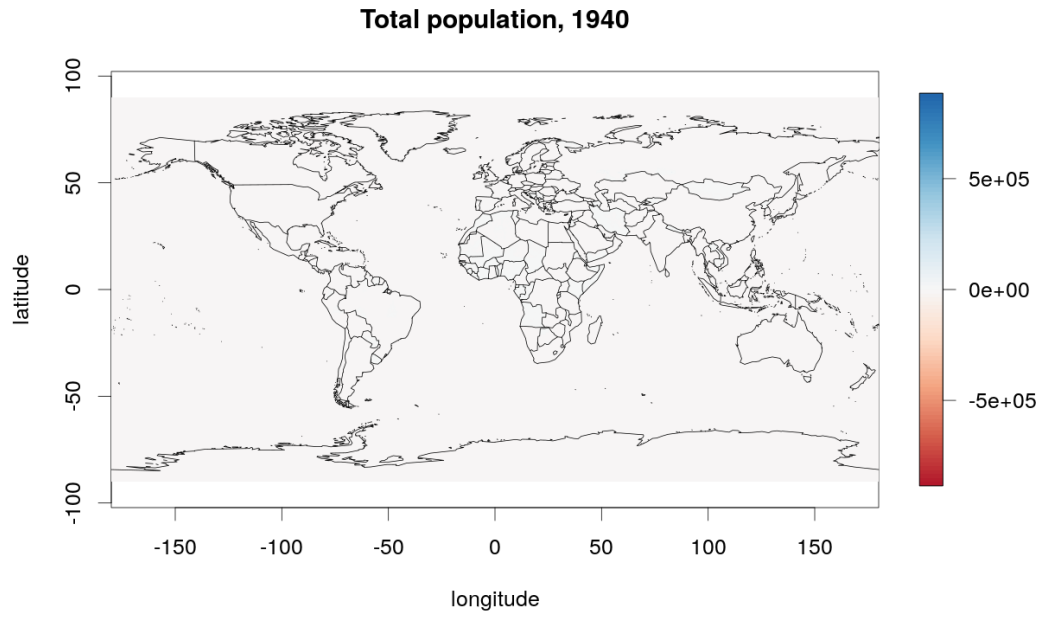
1950



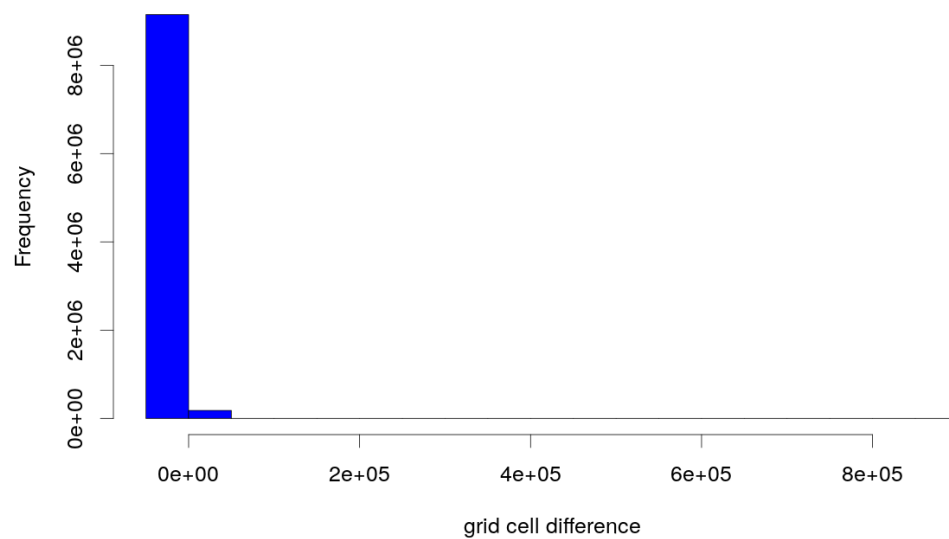
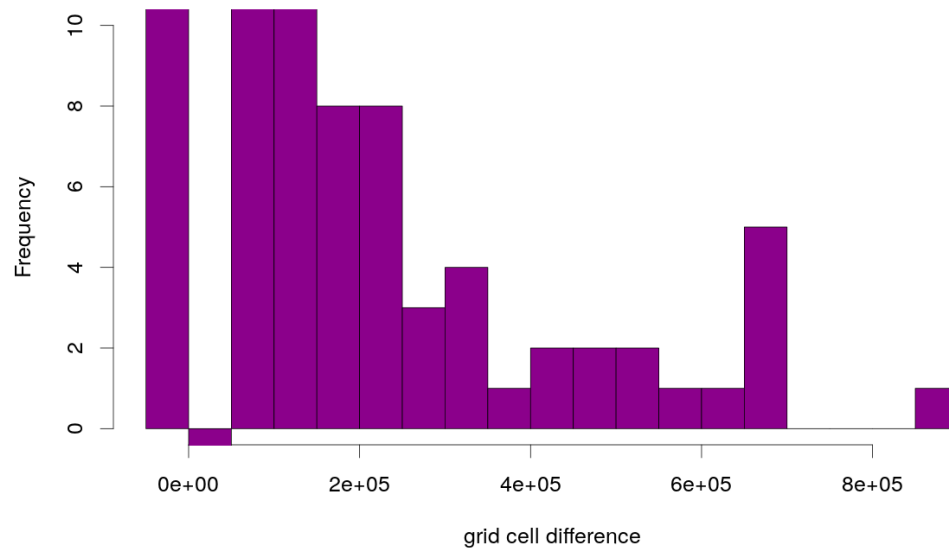
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 2.52978e+09 \\
 \sum_x p_x^{(v3.3)} &= 2.53183e+09 \\
 \sum_x \Delta_x &= 2.04806e+06 \\
 \sum_x |\Delta_x| &= 1.17559e+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00080958 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.04647 \\
 \max_x \Delta_x &= 724354 \\
 \min_x \Delta_x &= -150619
 \end{aligned}$$

Total population, 1950**Total population, 1950**

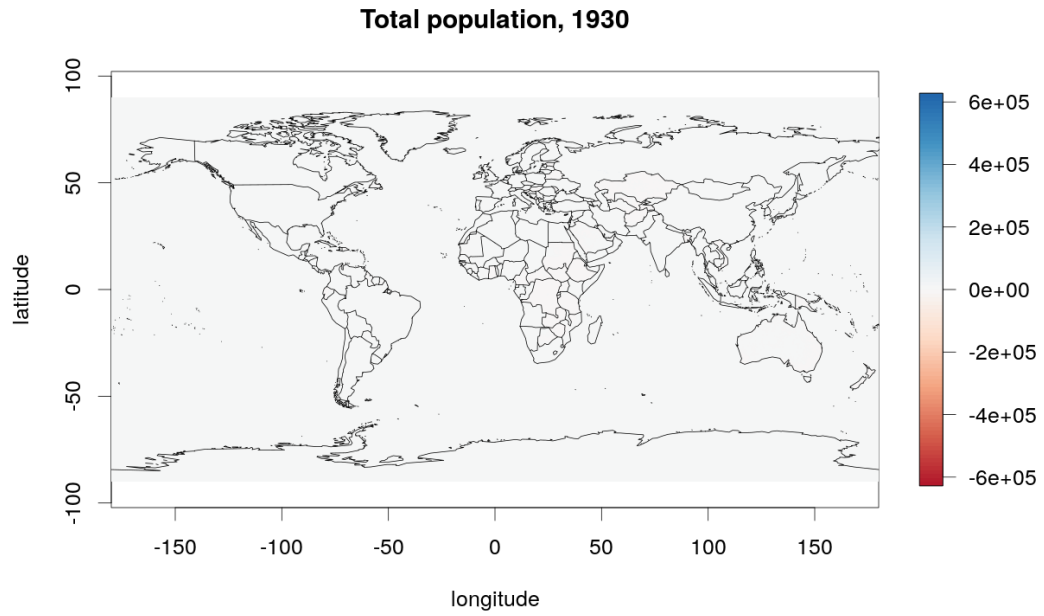
1940



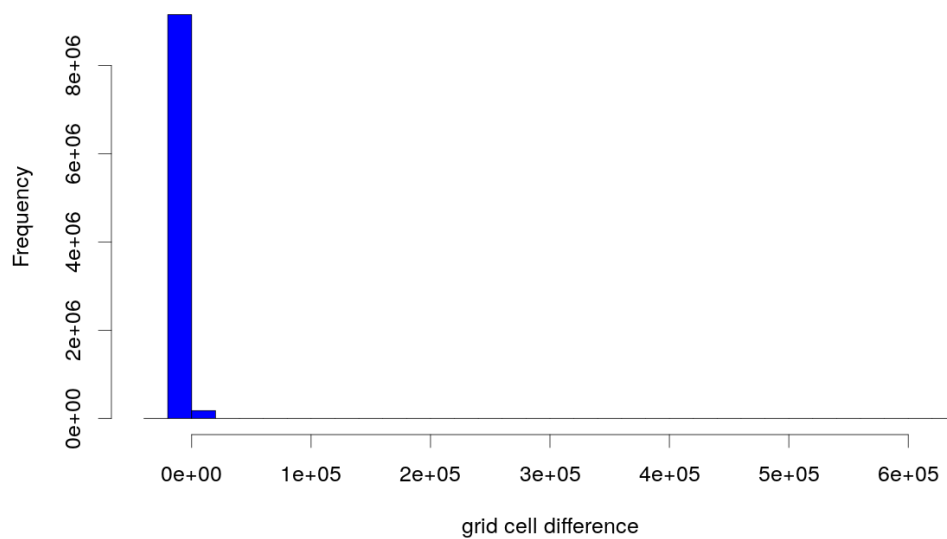
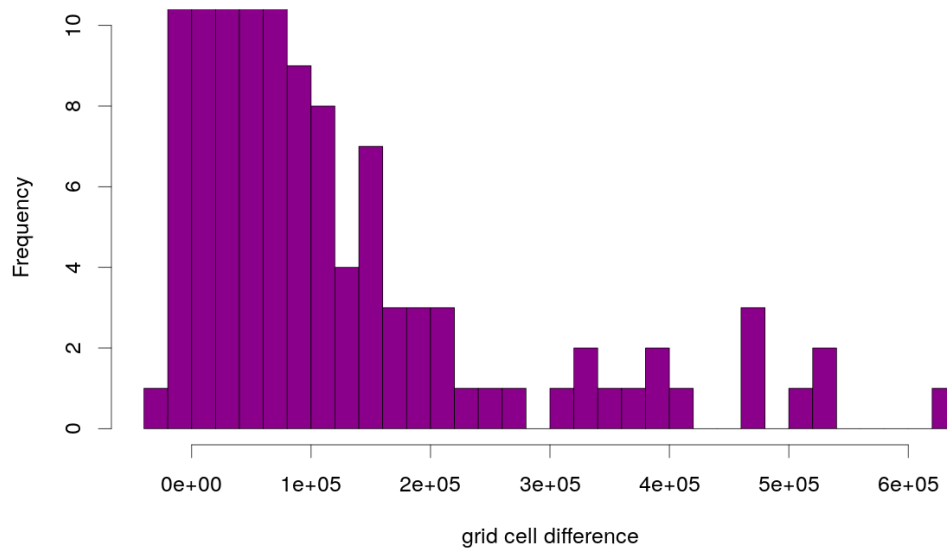
$$\begin{aligned}
 \sum_x p_x^{(v^{3.2.1})} &= 2.28923e+09 \\
 \sum_x p_x^{(v^{3.3})} &= 2.32844e+09 \\
 \sum_x \Delta_x &= 3.92063e+07 \\
 \sum_x |\Delta_x| &= 5.52401e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.0171264 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.0241304 \\
 \max_x \Delta_x &= 876256 \\
 \min_x \Delta_x &= -46833.7
 \end{aligned}$$

Total population, 1940**Total population, 1940**

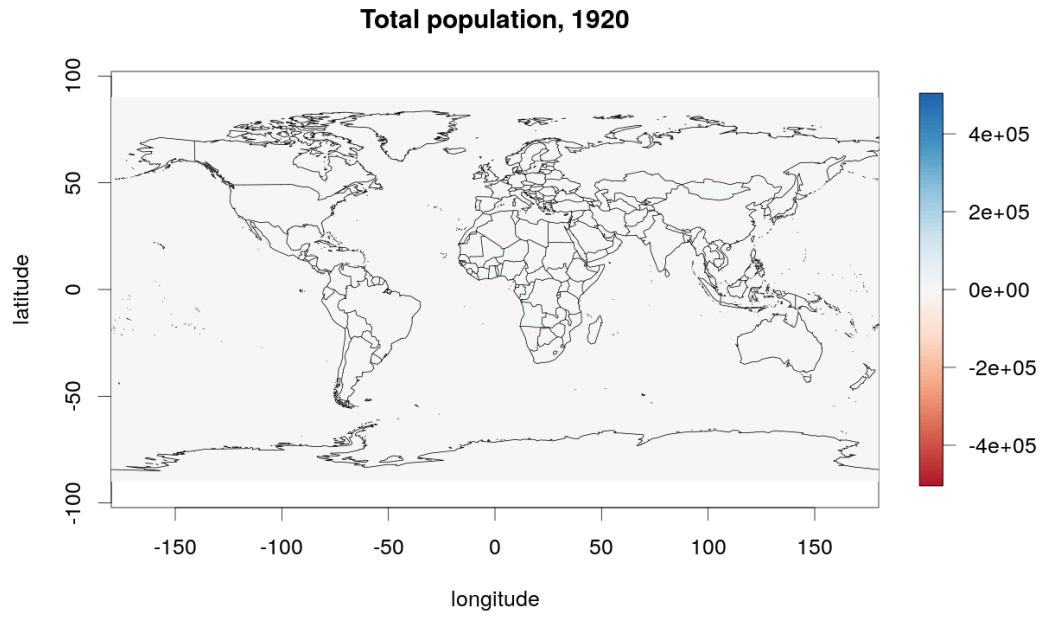
1930



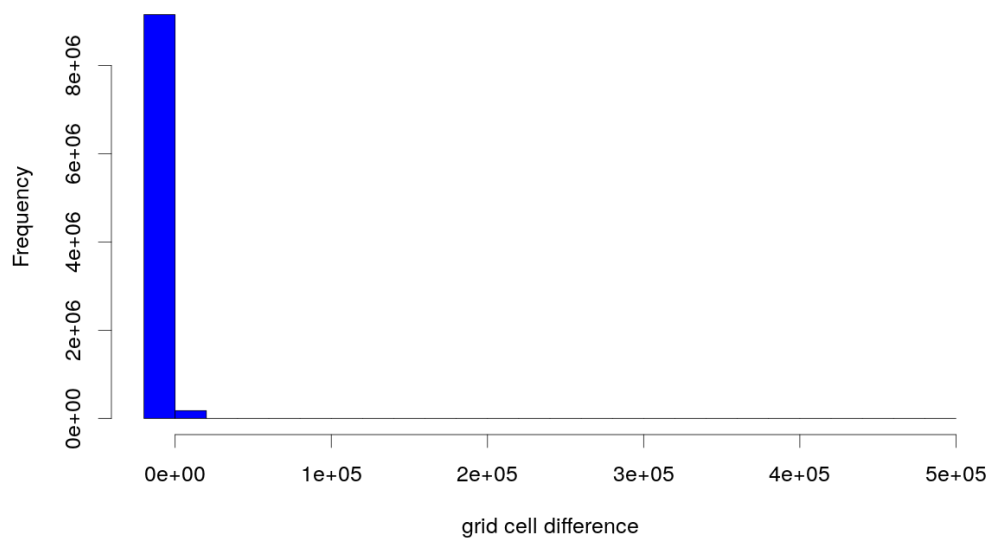
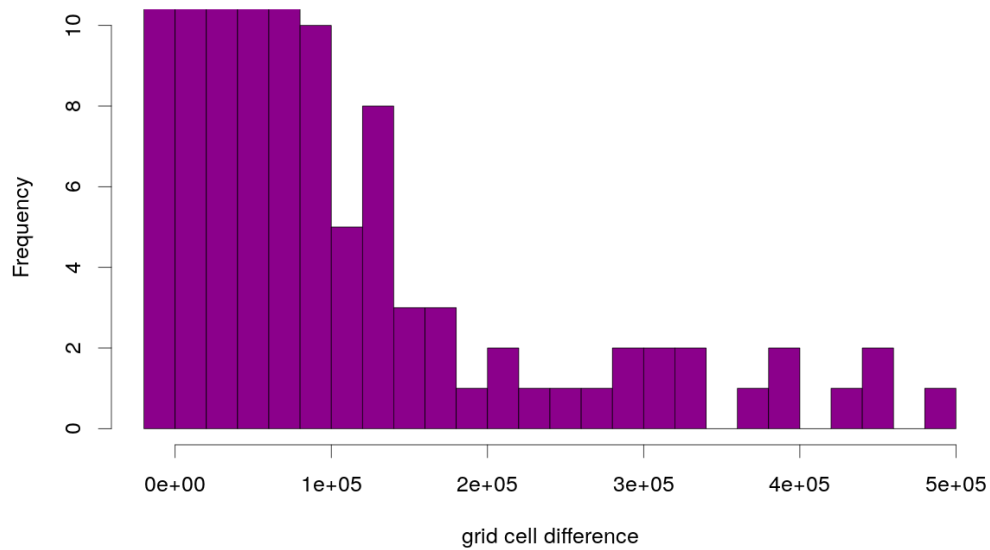
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 2.07319\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 2.10638\text{e}+09 \\
 \sum_x \Delta_x &= 3.31908\text{e}+07 \\
 \sum_x |\Delta_x| &= 4.35334\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0160095 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0209983 \\
 \max_x \Delta_x &= 621425 \\
 \min_x \Delta_x &= -22613.1
 \end{aligned}$$

Total population, 1930**Total population, 1930**

1920

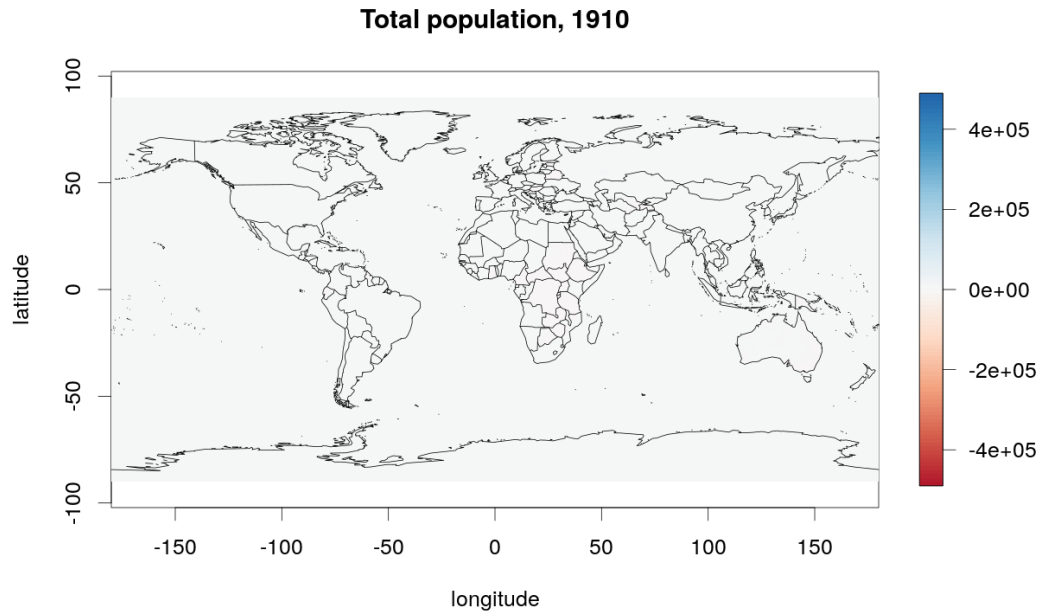


$$\begin{aligned}
 \sum_x p_x^{(v^{3.2.1})} &= 1.89552e+09 \\
 \sum_x p_x^{(v^{3.3})} &= 1.92784e+09 \\
 \sum_x \Delta_x &= 3.23223e+07 \\
 \sum_x |\Delta_x| &= 3.70641e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.0170519 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.0195535 \\
 \max_x \Delta_x &= 499194 \\
 \min_x \Delta_x &= -11167.3
 \end{aligned}$$

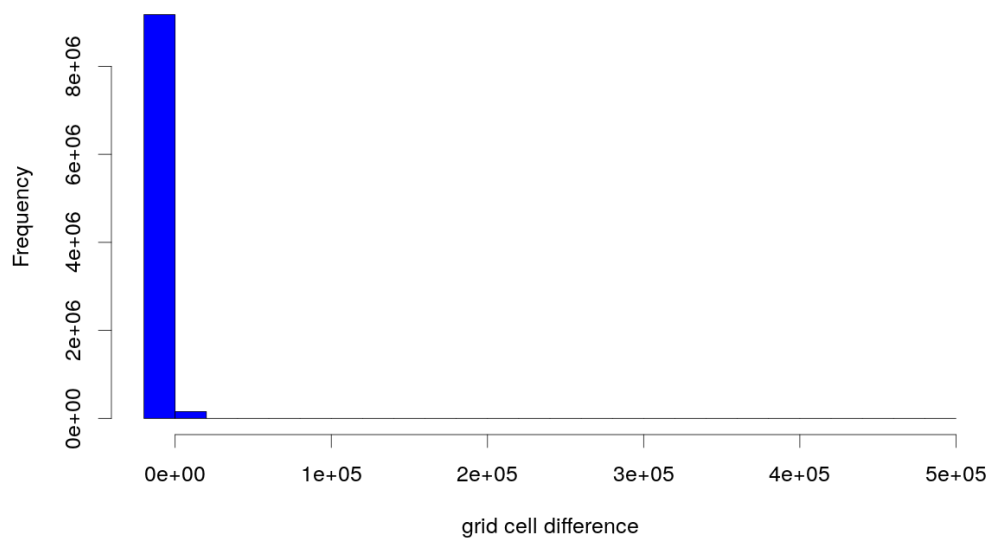
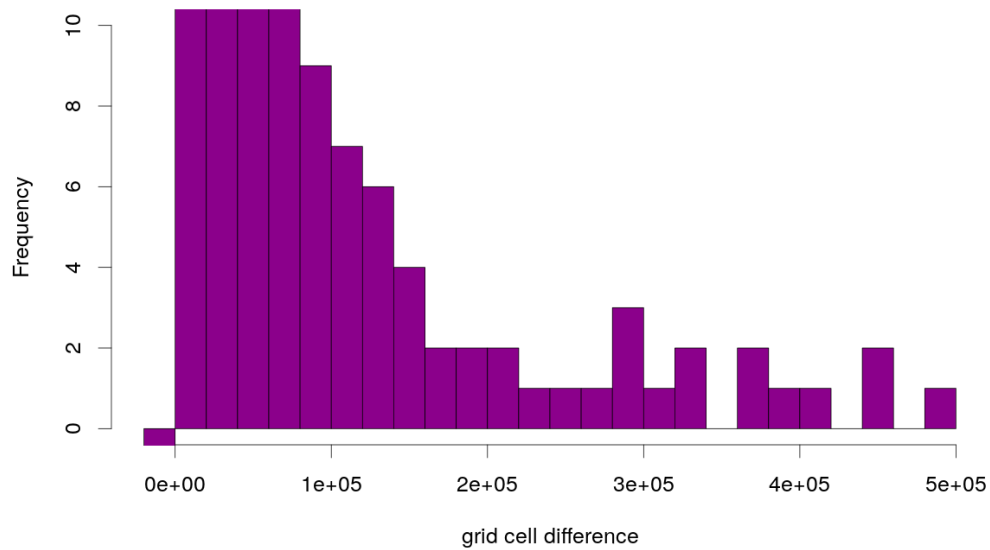
Total population, 1920**Total population, 1920**

60

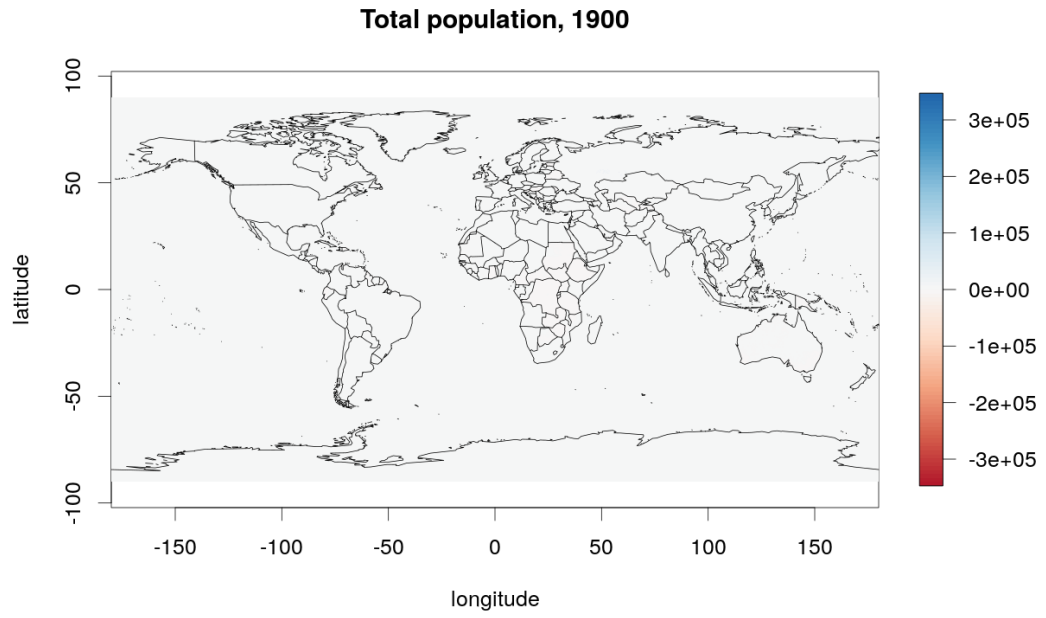
1910



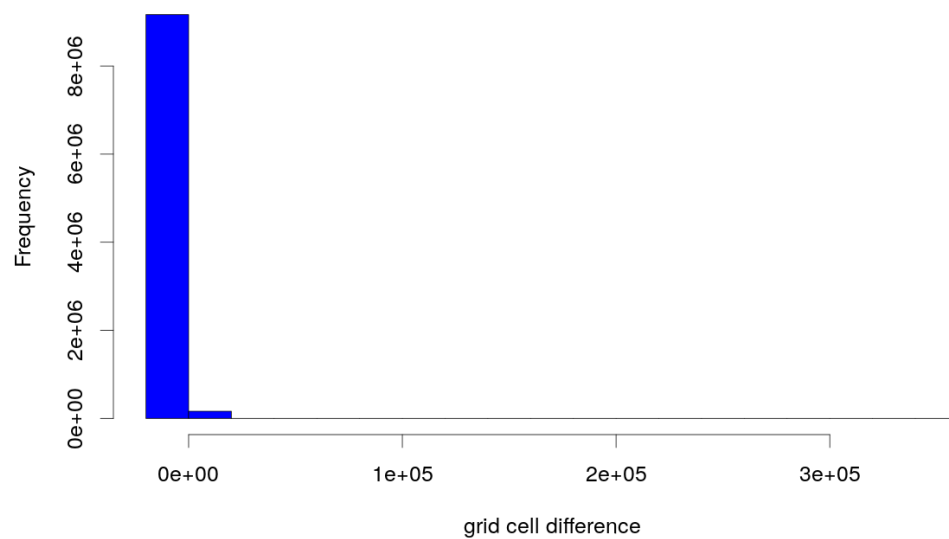
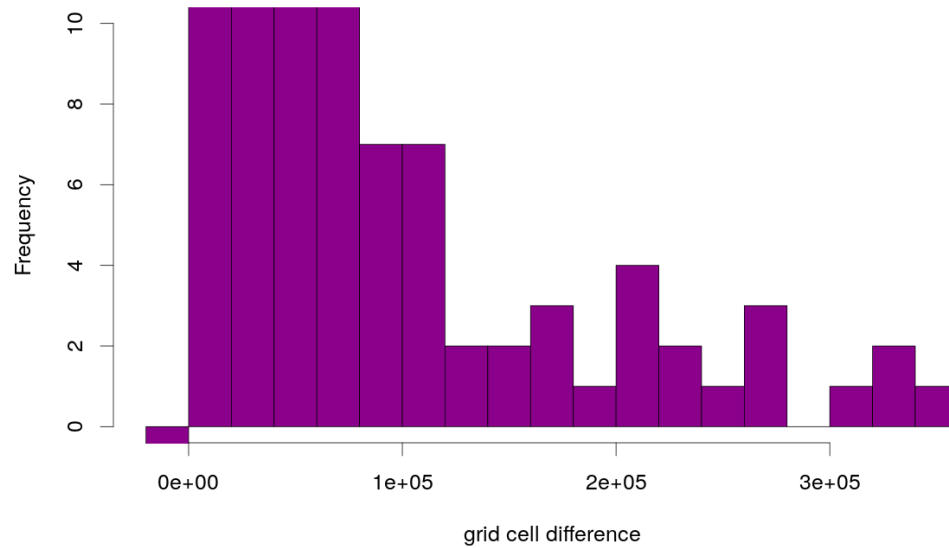
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.765e+09 \\ \sum_x p_x^{(v3.3)} &= 1.8002e+09 \\ \sum_x \Delta_x &= 3.52046e+07 \\ \sum_x |\Delta_x| &= 3.79677e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0199459 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0215114 \\ \max_x \Delta_x &= 484826 \\ \min_x \Delta_x &= -7234.35 \end{aligned}$$

Total population, 1910**Total population, 1910**

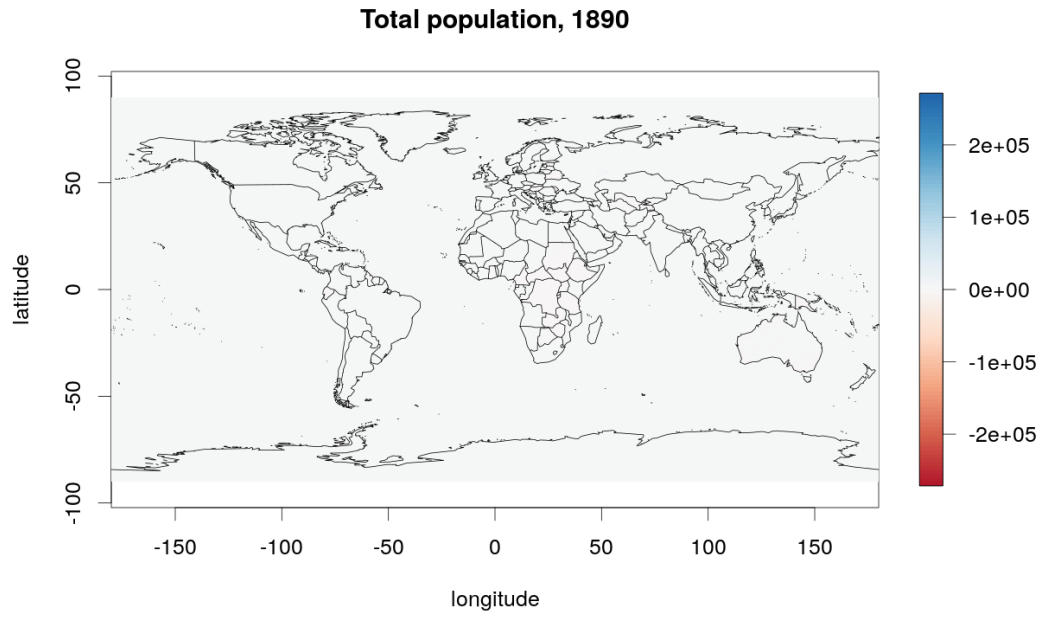
1900



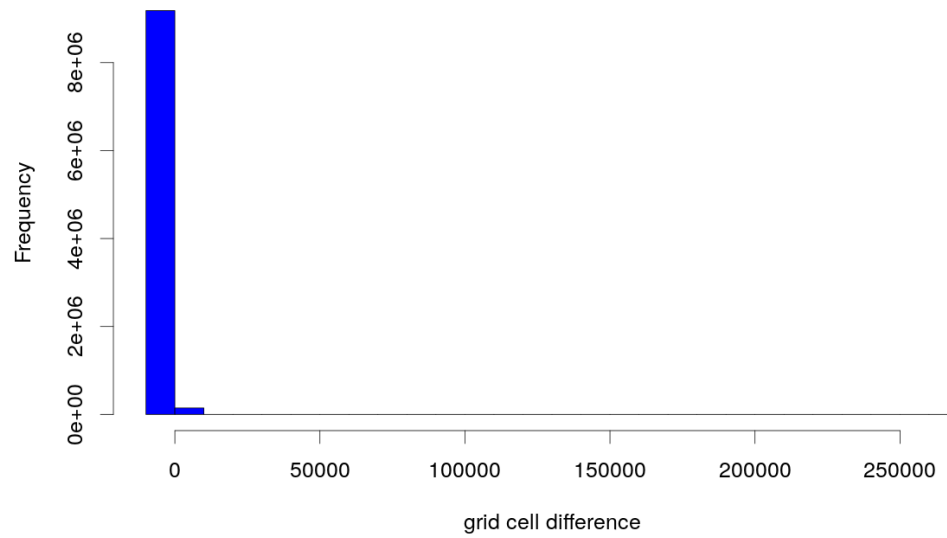
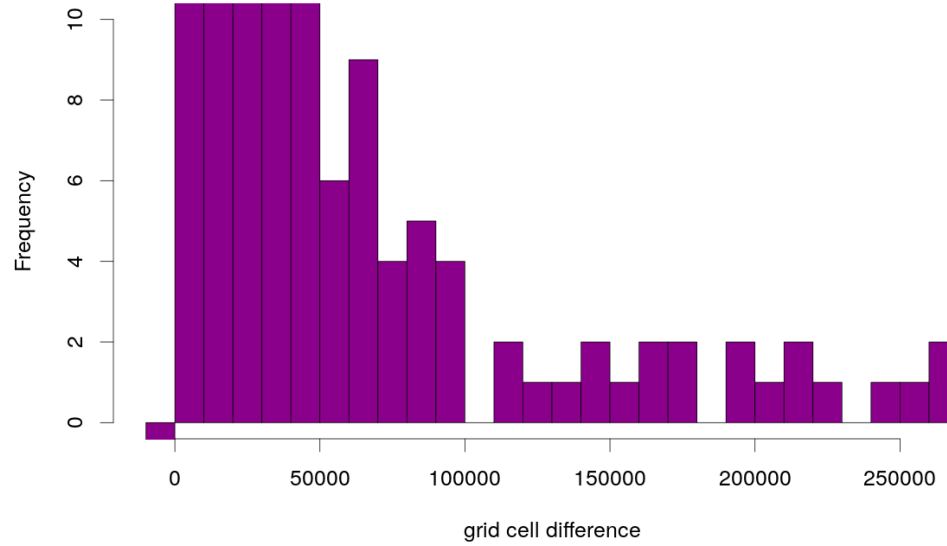
$$\begin{aligned}
 \sum_x p_x^{(v^{3.2.1})} &= 1.64203e+09 \\
 \sum_x p_x^{(v^{3.3})} &= 1.67062e+09 \\
 \sum_x \Delta_x &= 2.85917e+07 \\
 \sum_x |\Delta_x| &= 3.11624e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.0174124 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.018978 \\
 \max_x \Delta_x &= 343675 \\
 \min_x \Delta_x &= -7064.37
 \end{aligned}$$

Total population, 1900**Total population, 1900**

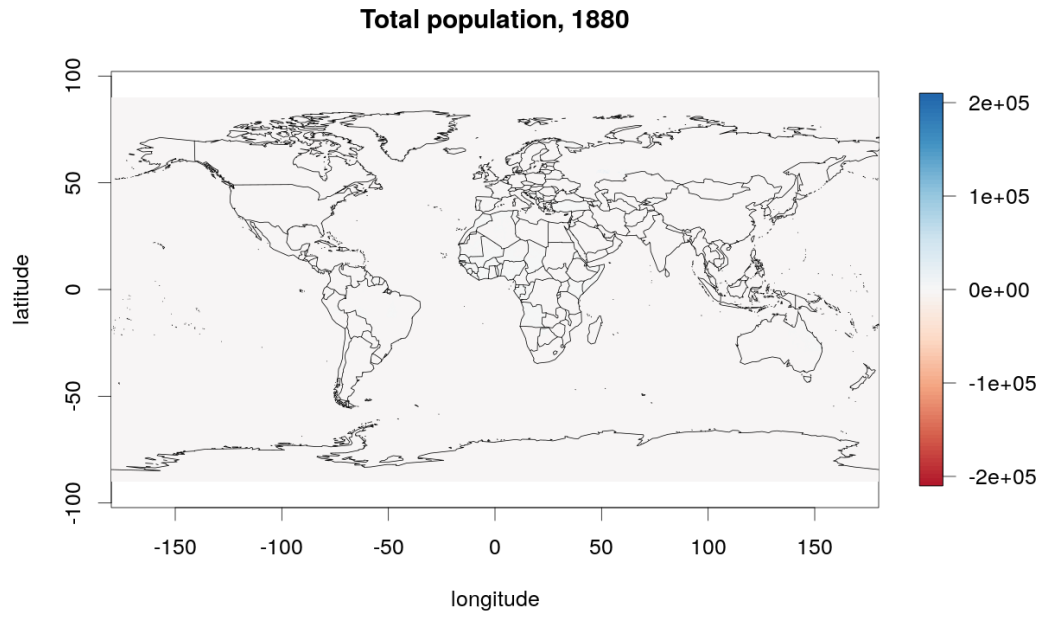
1890



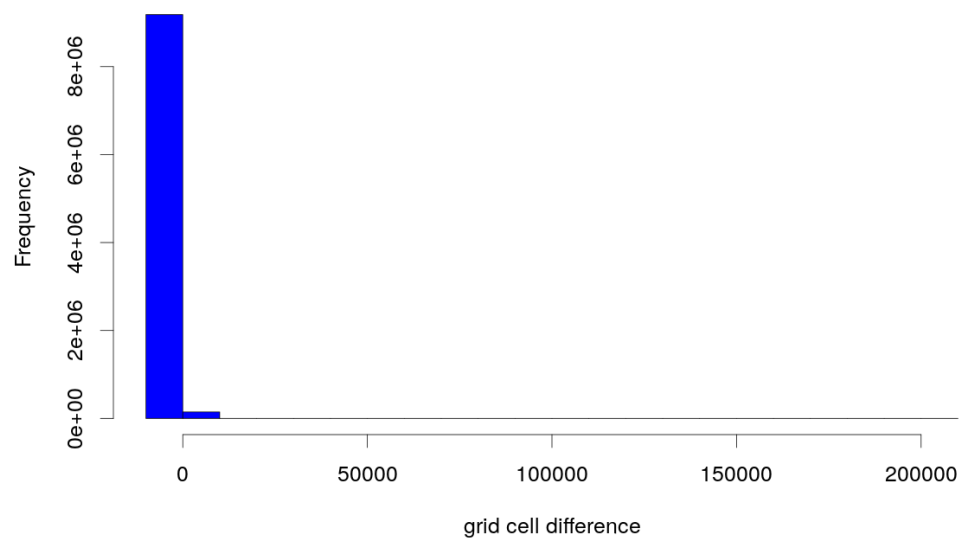
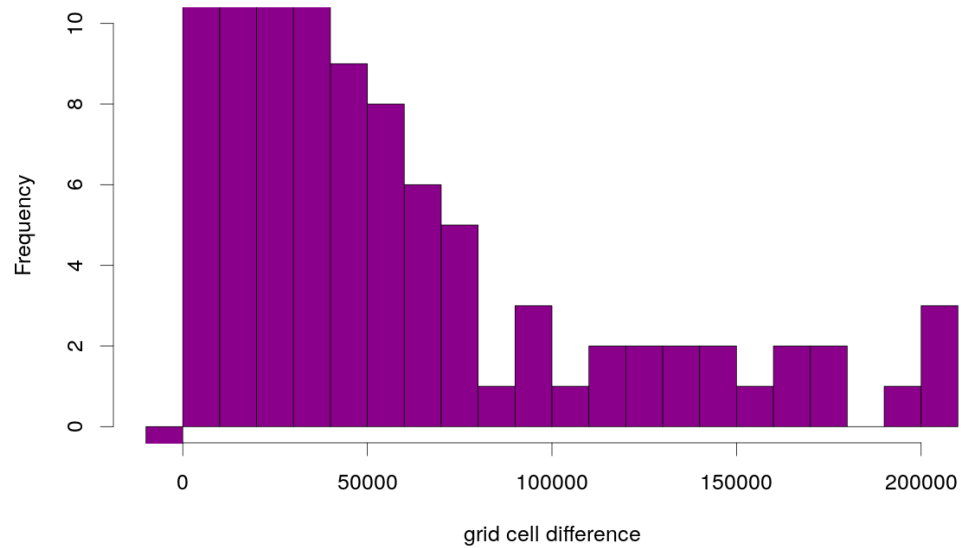
$$\begin{aligned}
 \sum_x p_x^{(v^{3.2.1})} &= 1.52276e+09 \\
 \sum_x p_x^{(v^{3.3})} &= 1.54839e+09 \\
 \sum_x \Delta_x &= 2.56361e+07 \\
 \sum_x |\Delta_x| &= 2.80718e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.0168353 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.0184348 \\
 \max_x \Delta_x &= 268720 \\
 \min_x \Delta_x &= -6894.34
 \end{aligned}$$

Total population, 1890**Total population, 1890**

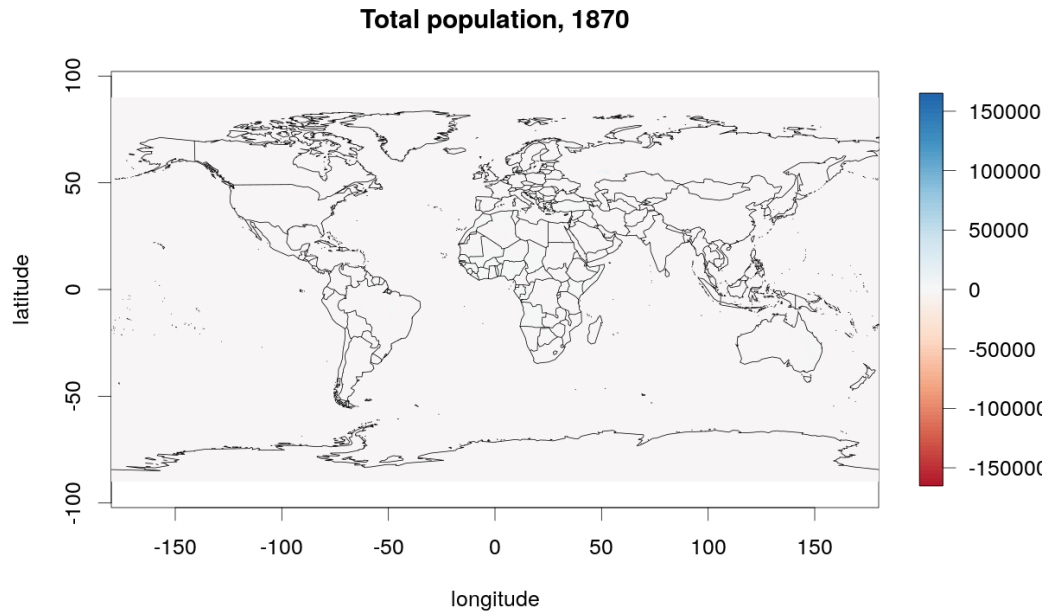
1880



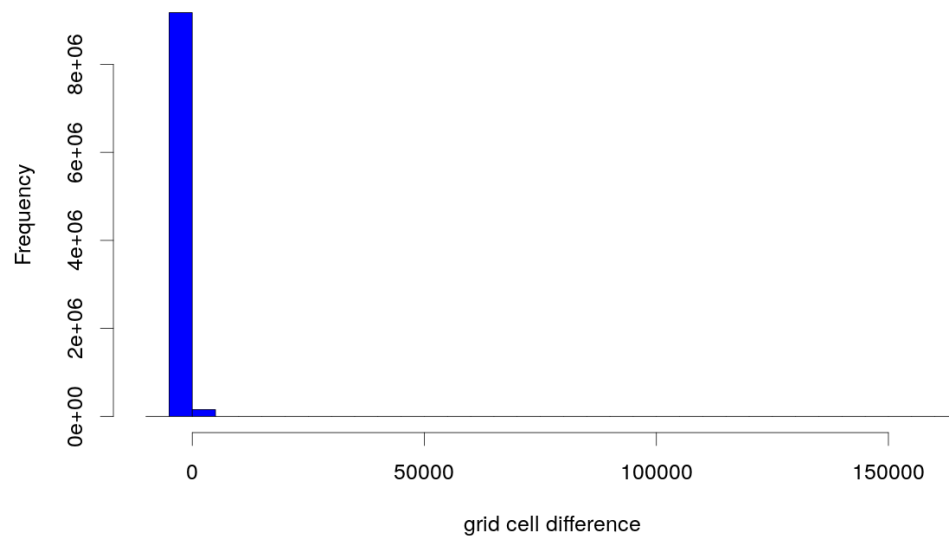
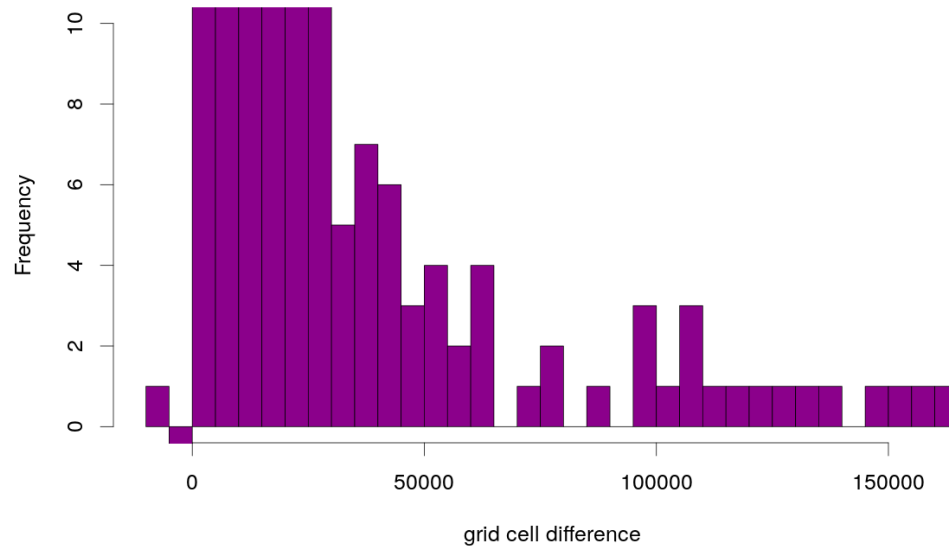
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.40517\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.42771\text{e}+09 \\ \sum_x \Delta_x &= 2.25399\text{e}+07 \\ \sum_x |\Delta_x| &= 2.48494\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0160407 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0176843 \\ \max_x \Delta_x &= 207911 \\ \min_x \Delta_x &= -6724.34 \end{aligned}$$

Total population, 1880**Total population, 1880**

1870

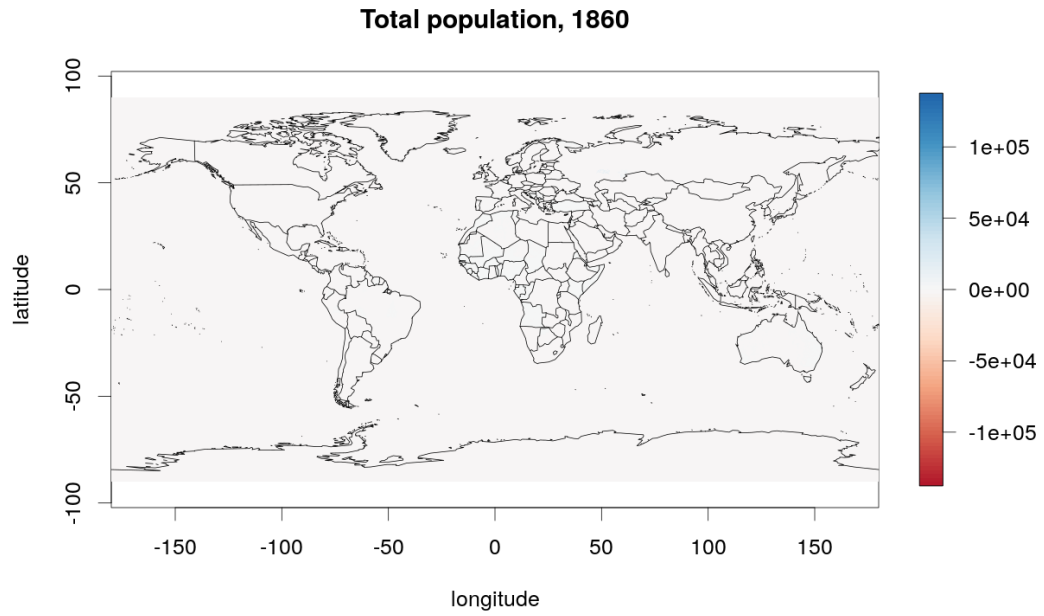


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.32692e+09 \\ \sum_x p_x^{(v3.3)} &= 1.34675e+09 \\ \sum_x \Delta_x &= 1.98302e+07 \\ \sum_x |\Delta_x| &= 2.20235e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0149445 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0165975 \\ \max_x \Delta_x &= 163469 \\ \min_x \Delta_x &= -6554.4 \end{aligned}$$

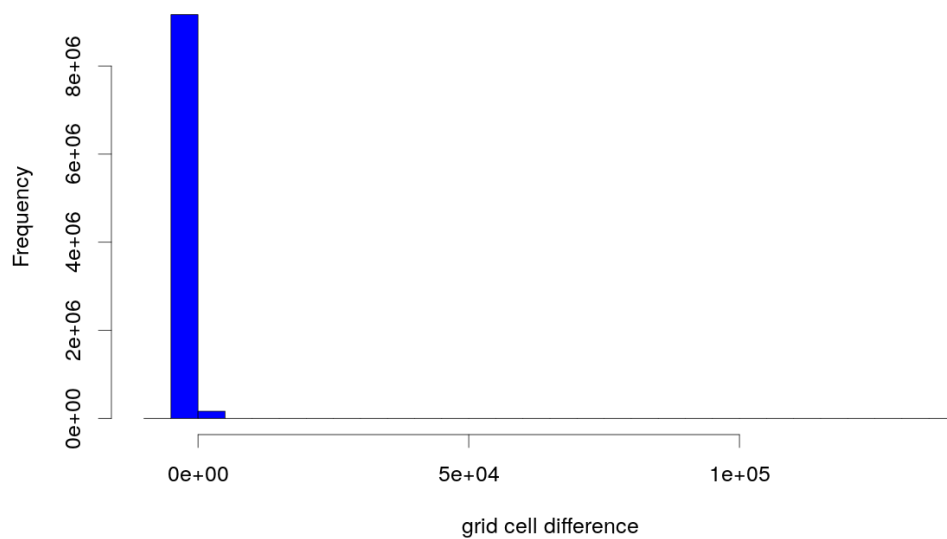
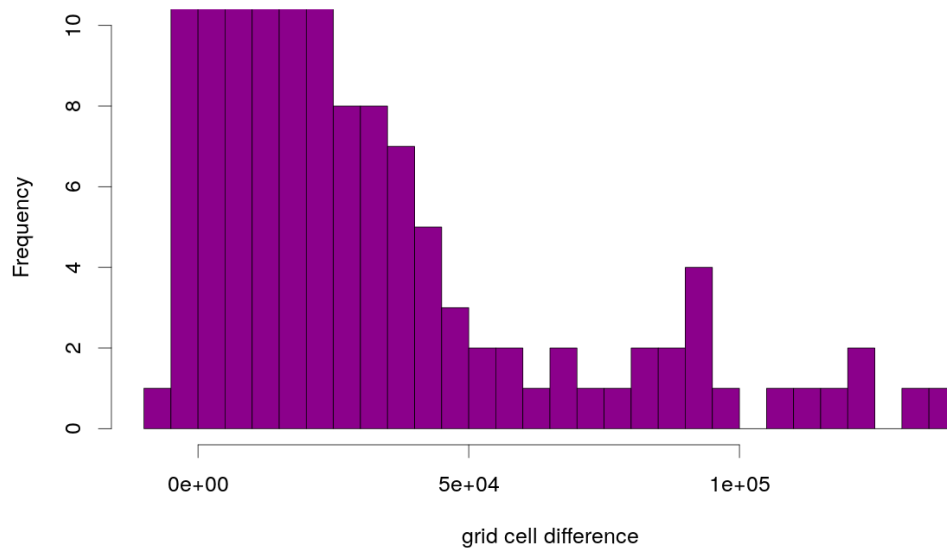
Total population, 1870**Total population, 1870**

70

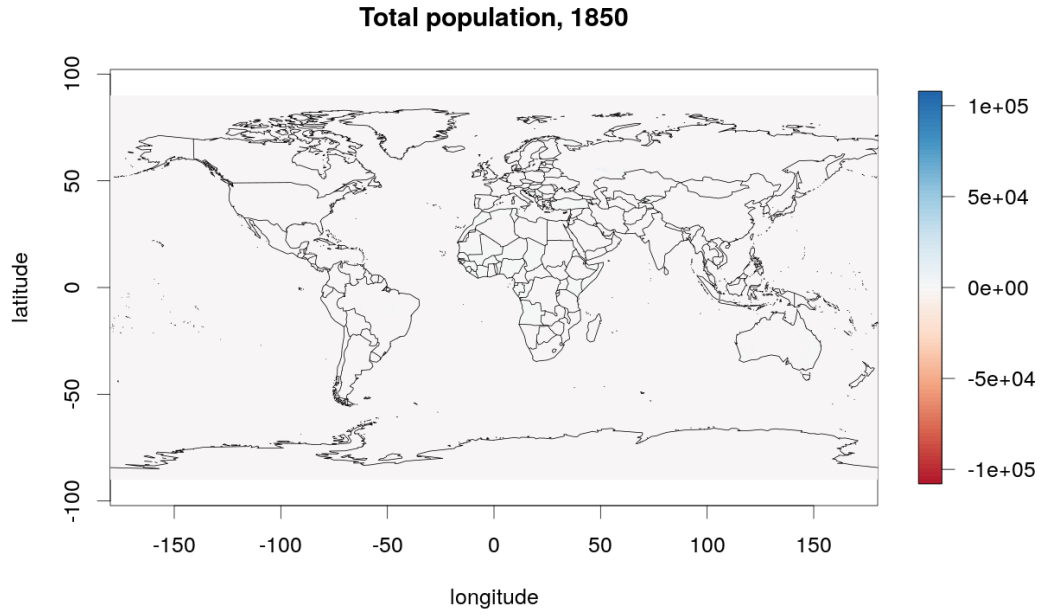
1860



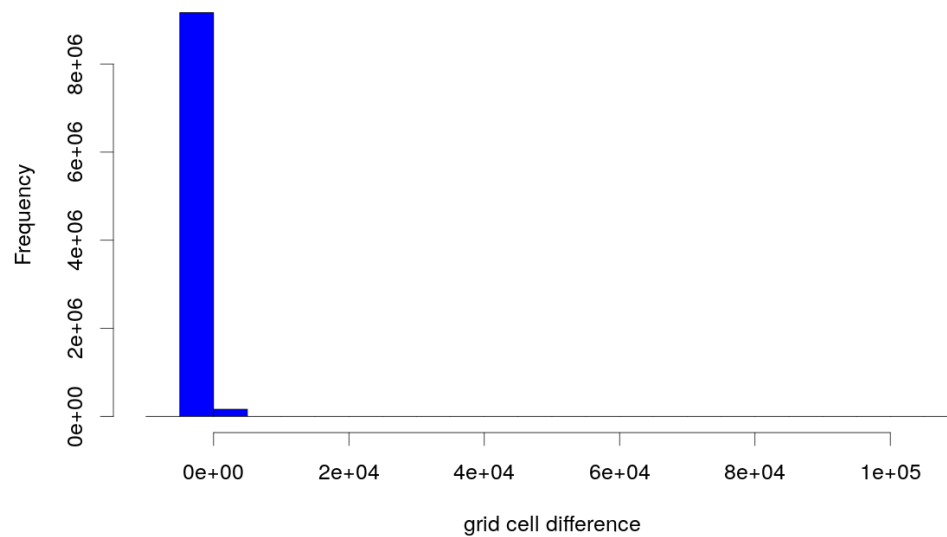
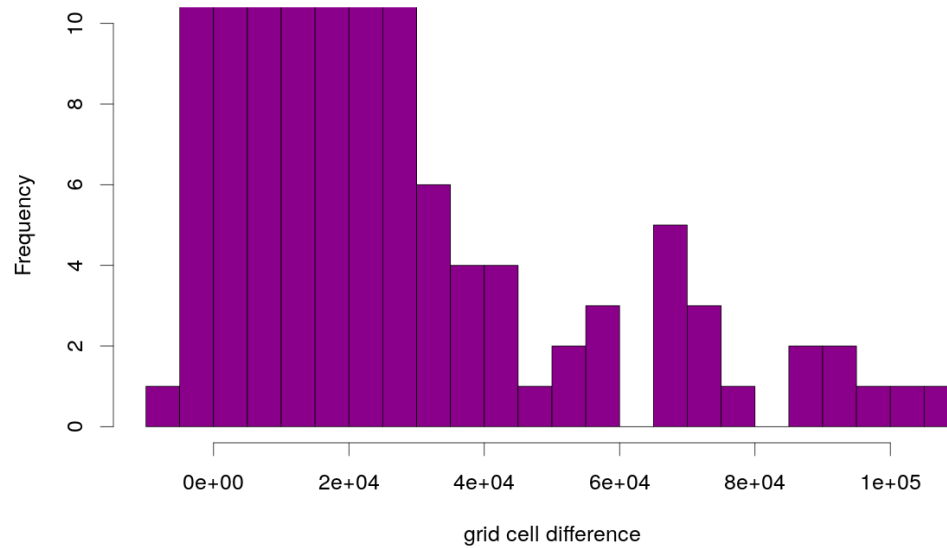
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.32763e+09 \\ \sum_x p_x^{(v3.3)} &= 1.34608e+09 \\ \sum_x \Delta_x &= 1.84549e+07 \\ \sum_x |\Delta_x| &= 2.05461e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0139006 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0154758 \\ \max_x \Delta_x &= 136229 \\ \min_x \Delta_x &= -6384.61 \end{aligned}$$

Total population, 1860**Total population, 1860**

1850

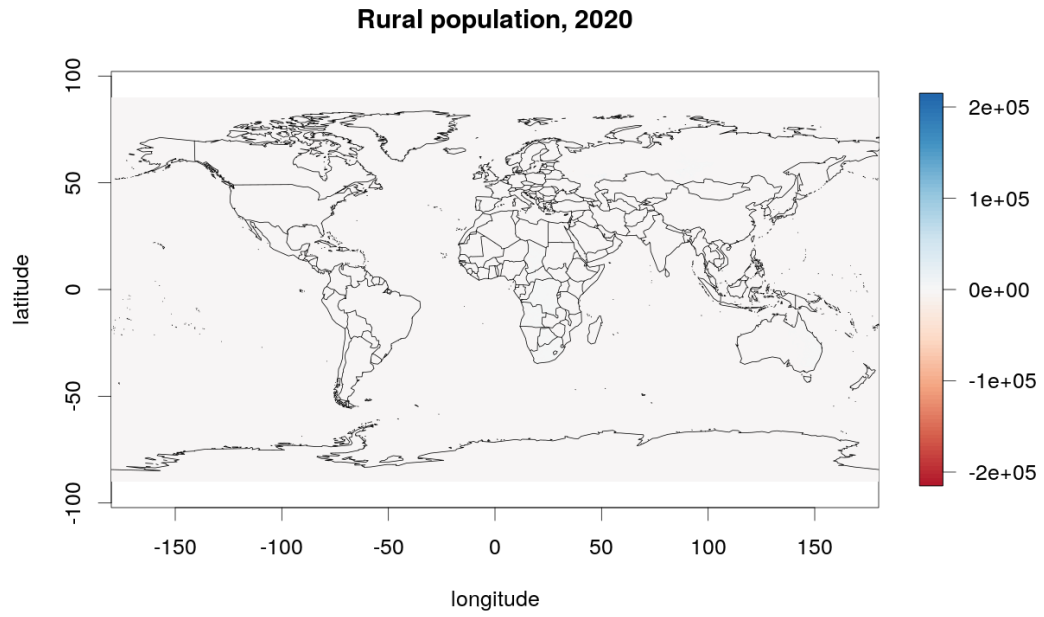


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 1.2706e+09 \\
 \sum_x p_x^{(v3.3)} &= 1.28702e+09 \\
 \sum_x \Delta_x &= 1.64181e+07 \\
 \sum_x |\Delta_x| &= 1.84057e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0129215 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0144858 \\
 \max_x \Delta_x &= 106852 \\
 \min_x \Delta_x &= -5971.58
 \end{aligned}$$

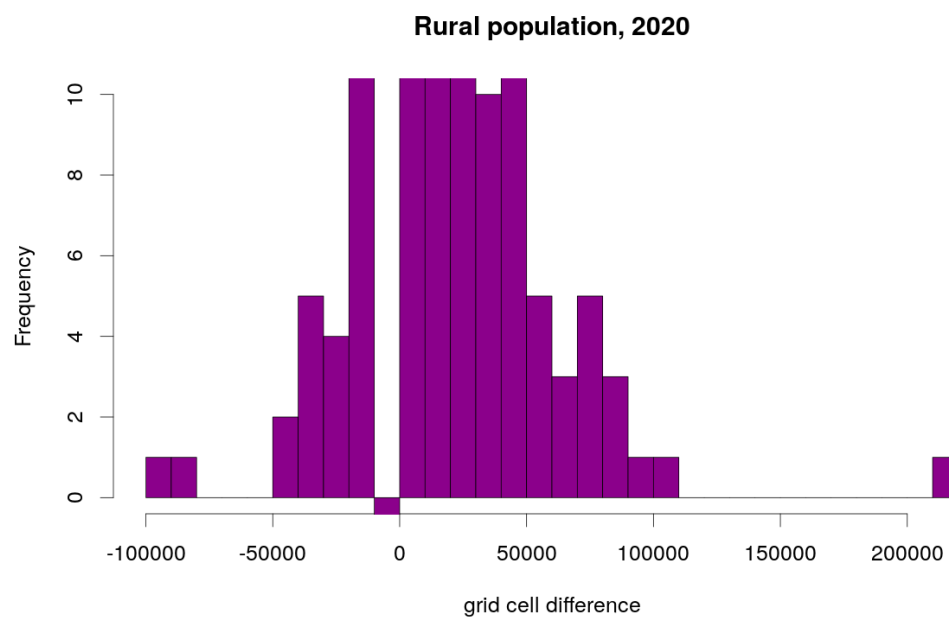
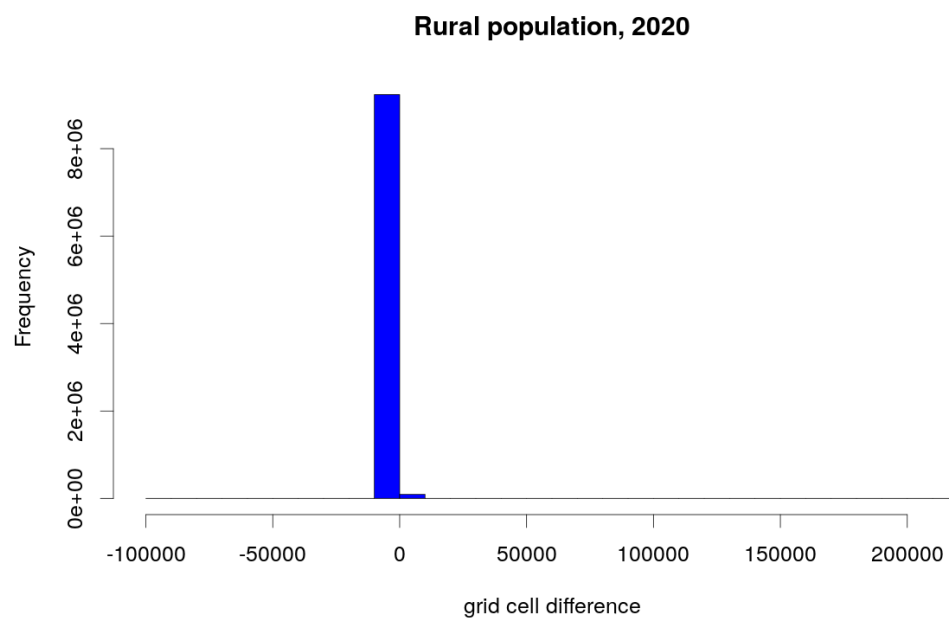
Total population, 1850**Total population, 1850**

3 Rural population

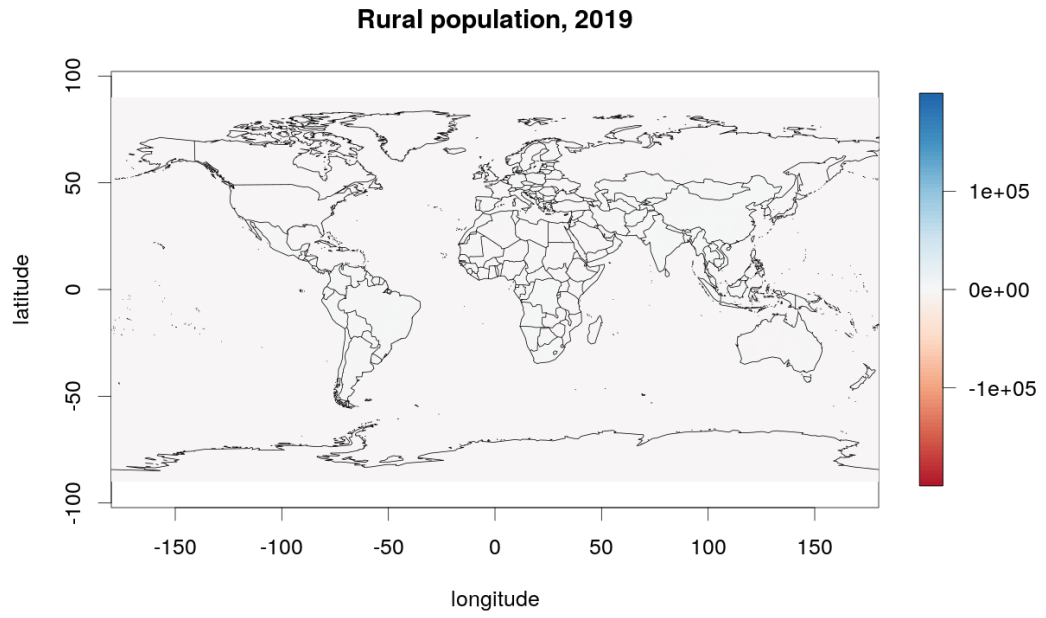
2020



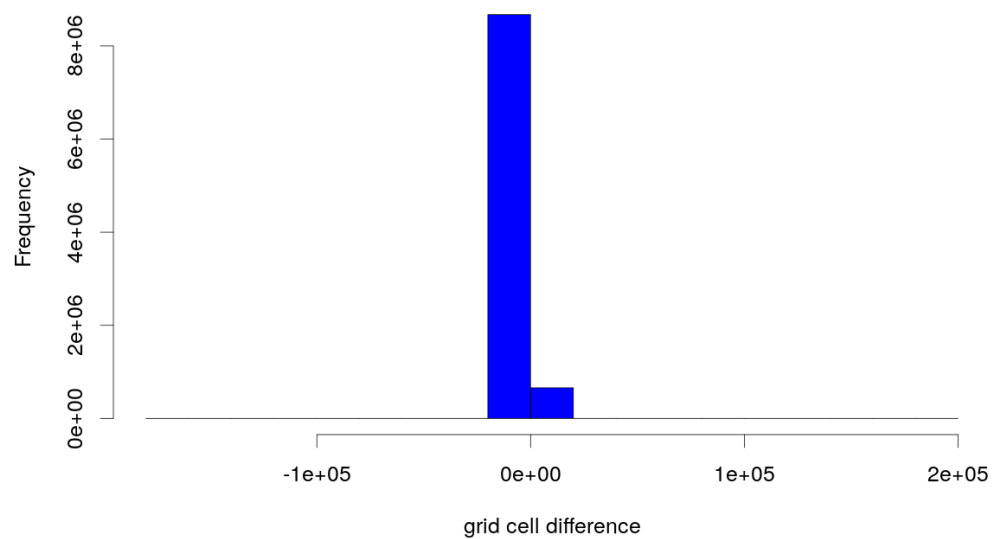
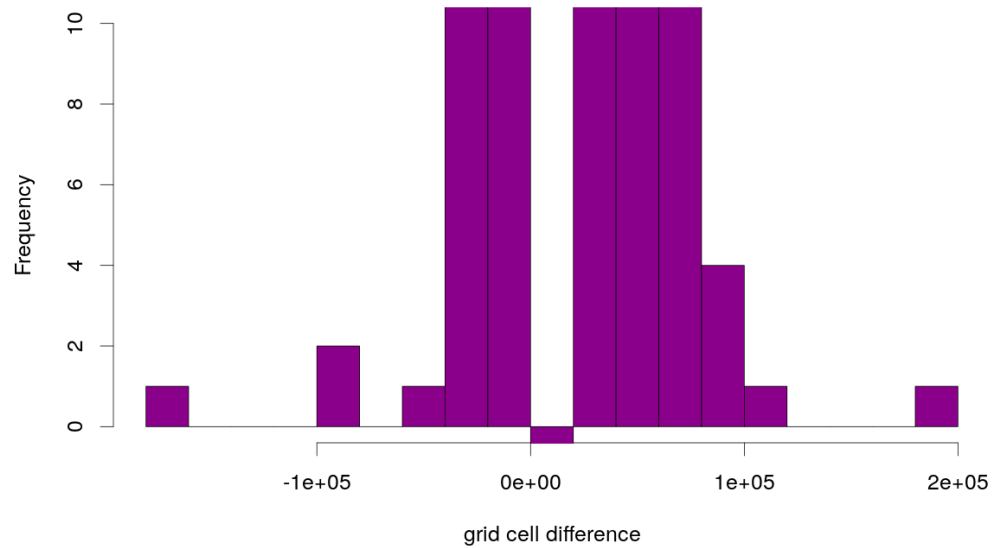
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.406e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.40863e+09 \\
 \sum_x \Delta_x &= 2.63435e+06 \\
 \sum_x |\Delta_x| &= 3.55061e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000773444 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0104246 \\
 \max_x \Delta_x &= 212859 \\
 \min_x \Delta_x &= -94855.7
 \end{aligned}$$



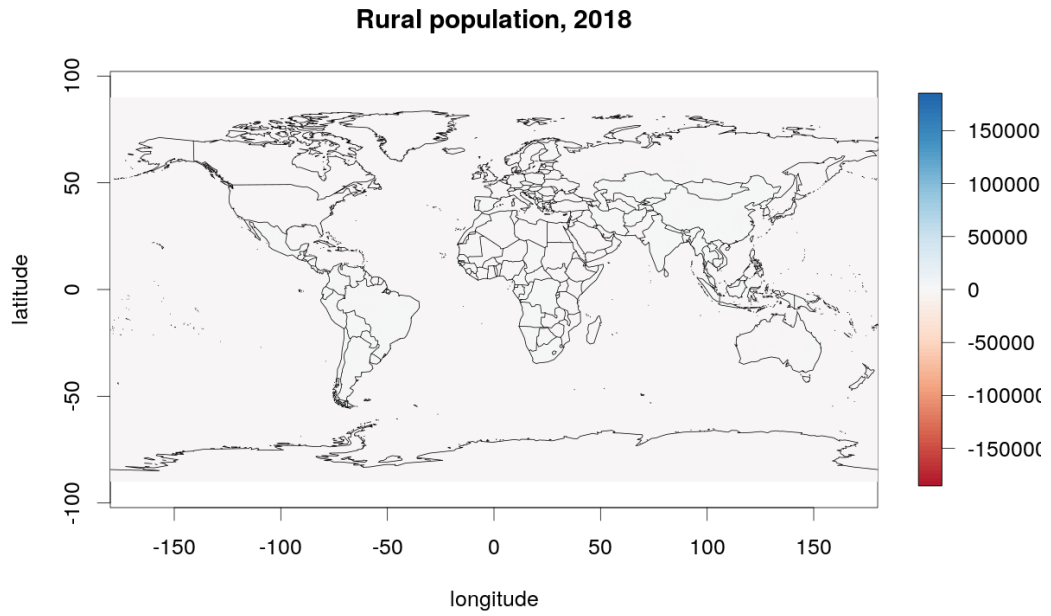
2019



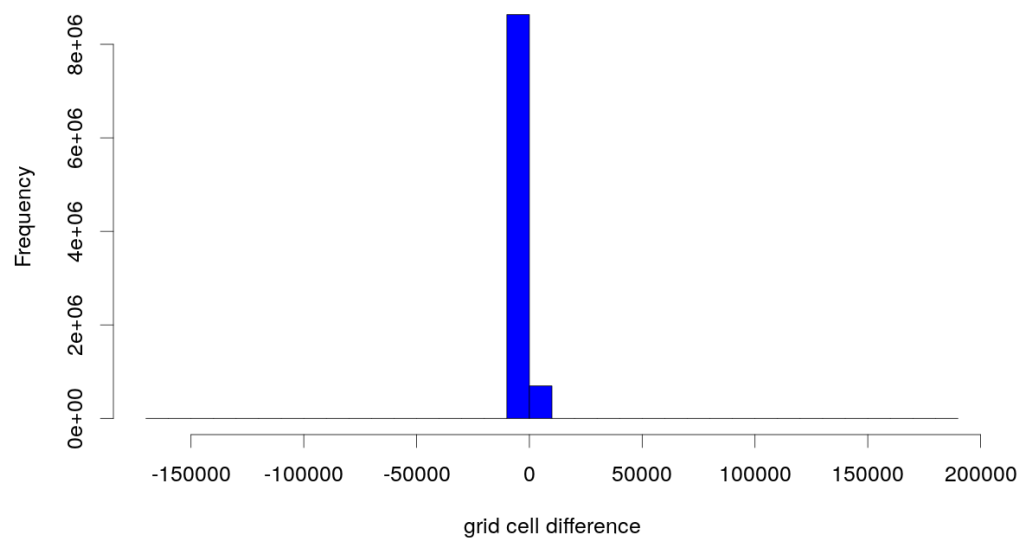
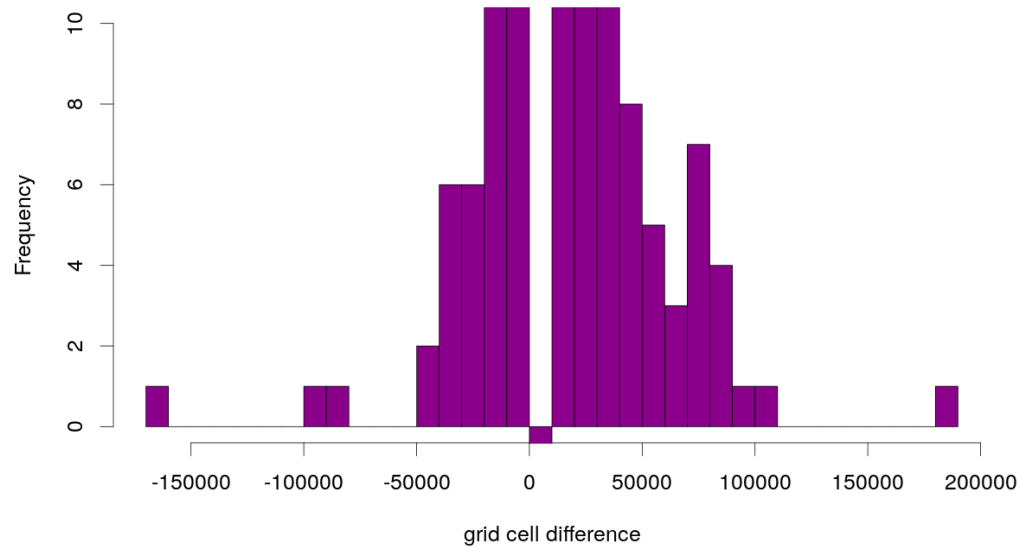
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.40765e+09 \\ \sum_x p_x^{(v3.3)} &= 3.41094e+09 \\ \sum_x \Delta_x &= 3.29309e+06 \\ \sum_x |\Delta_x| &= 4.22639e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000966382 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0124027 \\ \max_x \Delta_x &= 197741 \\ \min_x \Delta_x &= -161176 \end{aligned}$$

Rural population, 2019**Rural population, 2019**

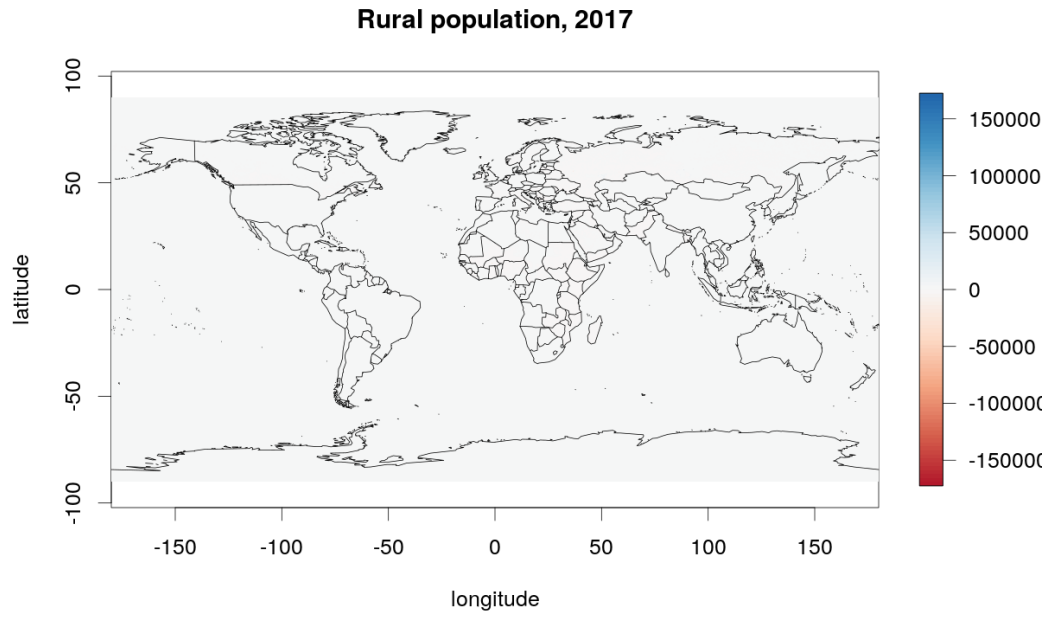
2018



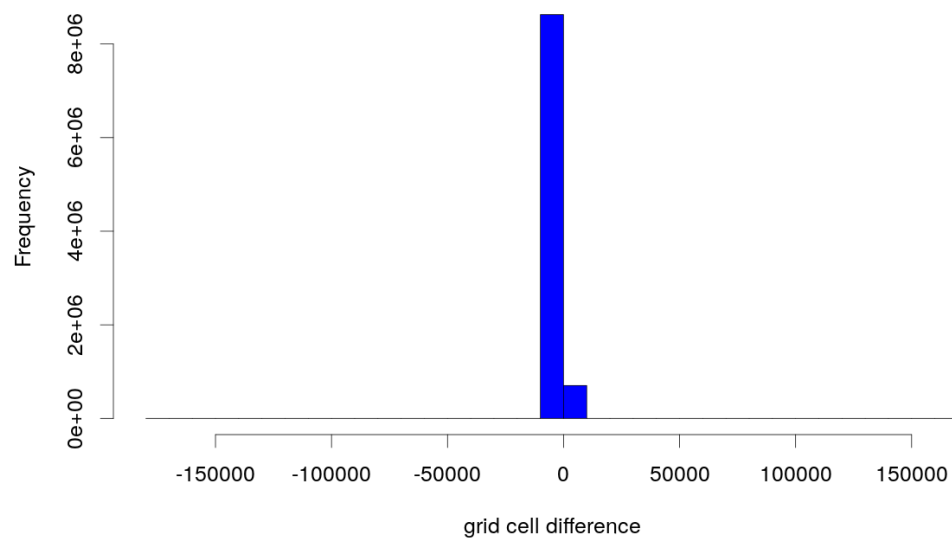
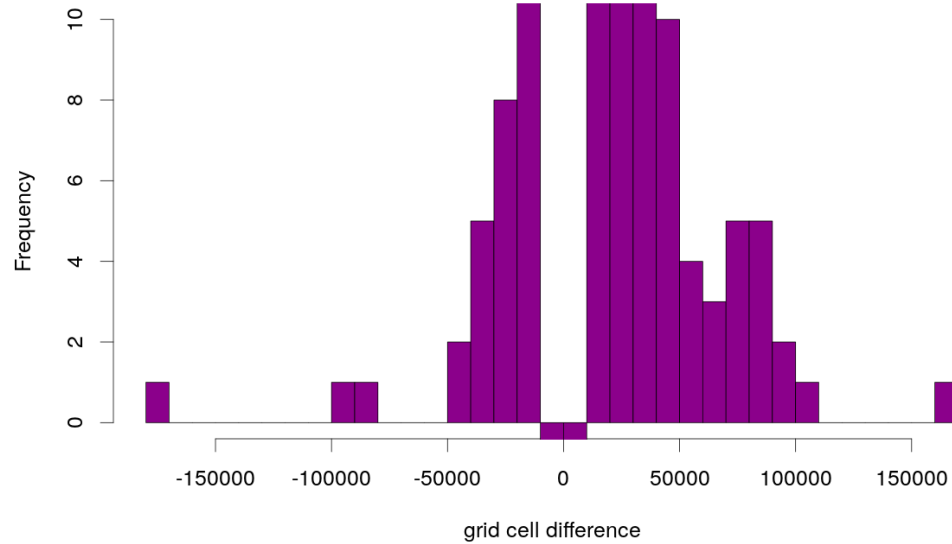
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.40854e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.41155e+09 \\
 \sum_x \Delta_x &= 3.00271e+06 \\
 \sum_x |\Delta_x| &= 4.29163e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000880937 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0125908 \\
 \max_x \Delta_x &= 183413 \\
 \min_x \Delta_x &= -166017
 \end{aligned}$$

Rural population, 2018**Rural population, 2018**

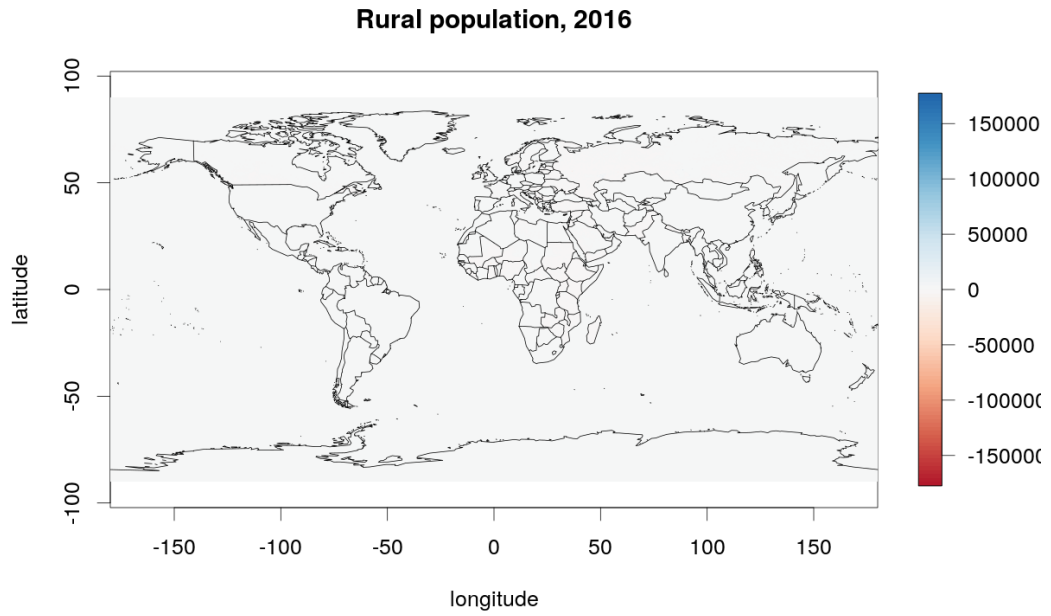
2017



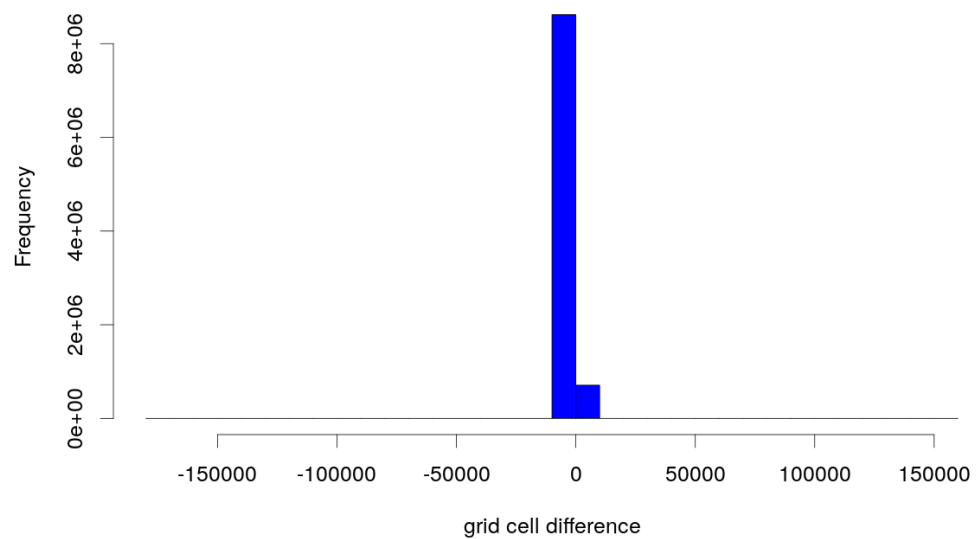
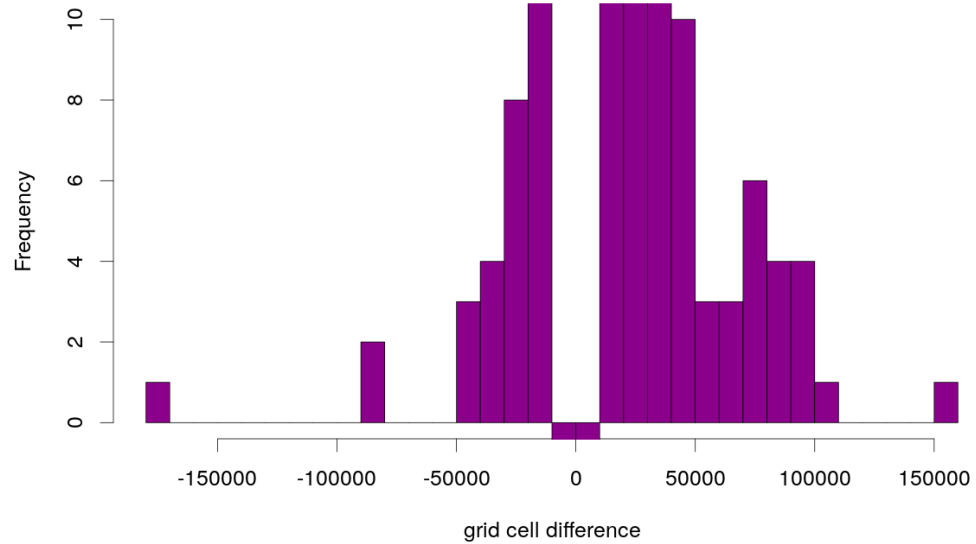
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.40834\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.41146\text{e}+09 \\
 \sum_x \Delta_x &= 3.12008\text{e}+06 \\
 \sum_x |\Delta_x| &= 4.29931\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000915425 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0126141 \\
 \max_x \Delta_x &= 169784 \\
 \min_x \Delta_x &= -170784
 \end{aligned}$$

Rural population, 2017**Rural population, 2017**

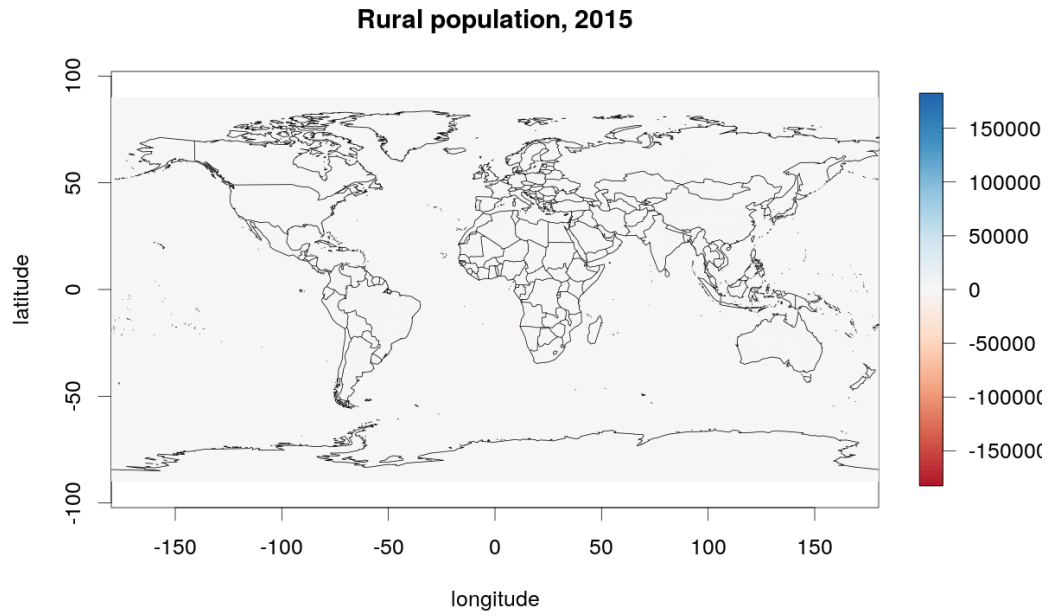
2016



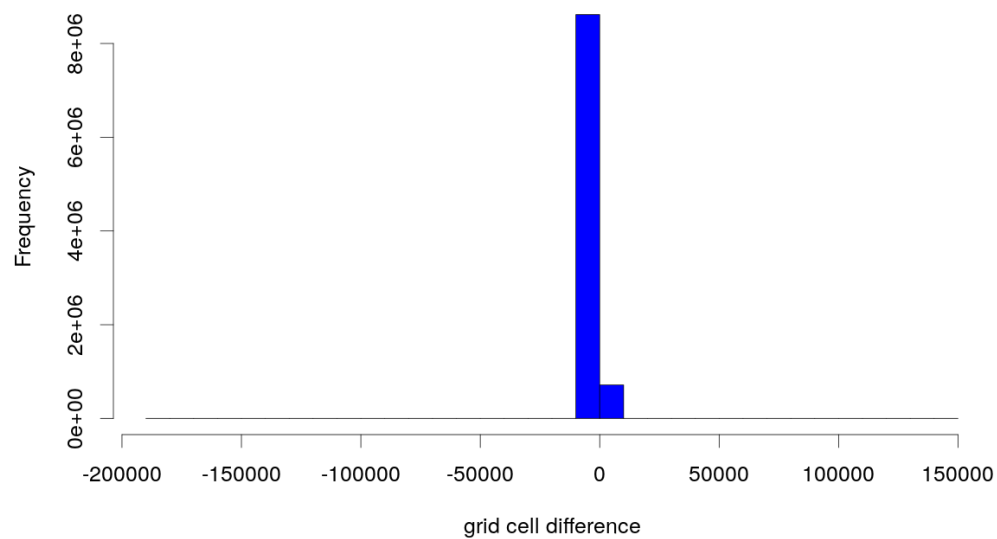
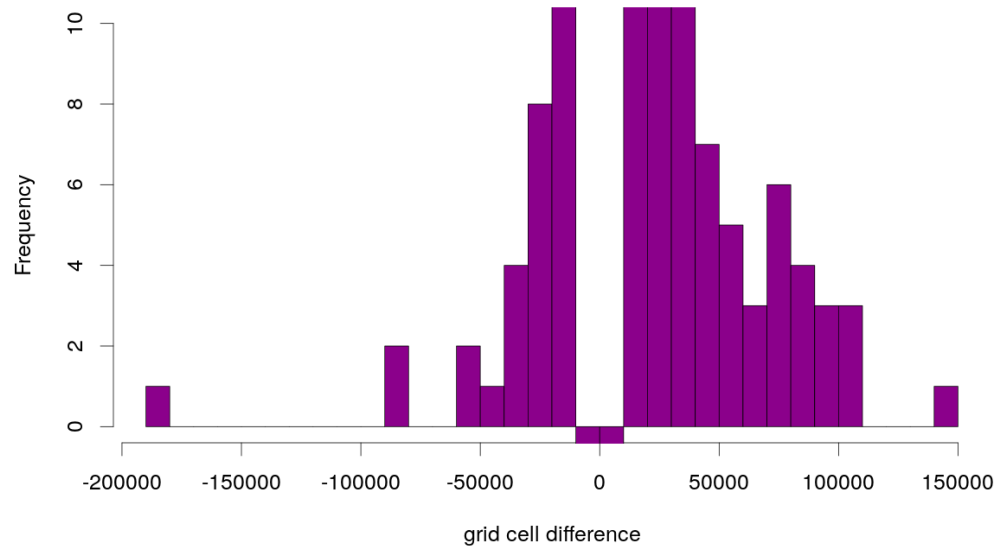
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.4076e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.41069e+09 \\
 \sum_x \Delta_x &= 3.08517e+06 \\
 \sum_x |\Delta_x| &= 4.36177e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000905379 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0128001 \\
 \max_x \Delta_x &= 156690 \\
 \min_x \Delta_x &= -175629
 \end{aligned}$$

Rural population, 2016**Rural population, 2016**

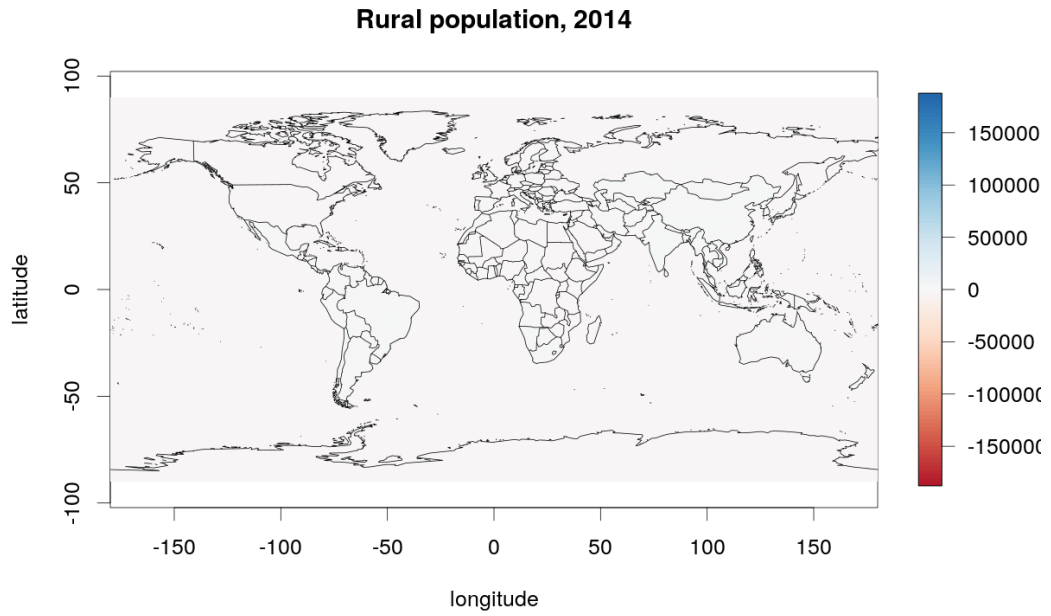
2015



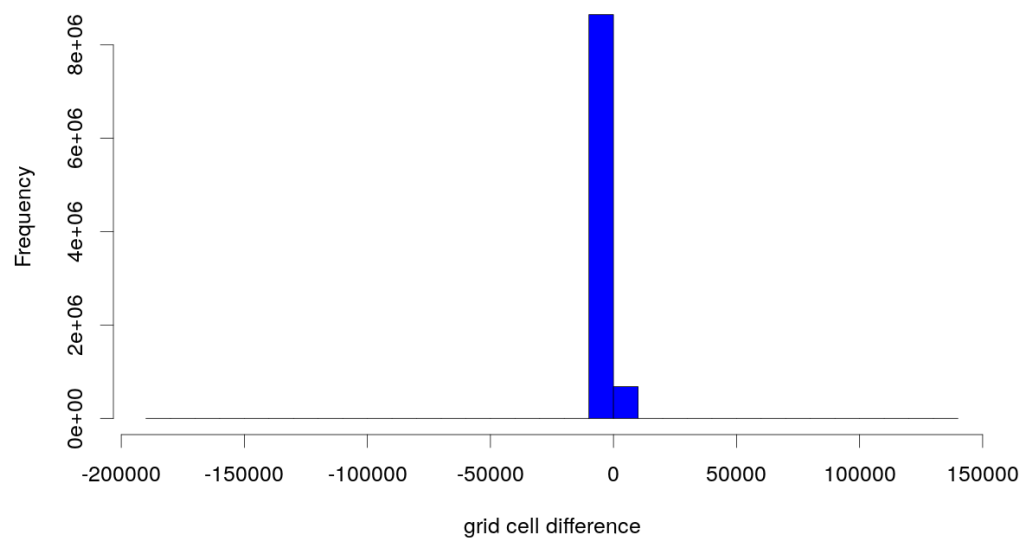
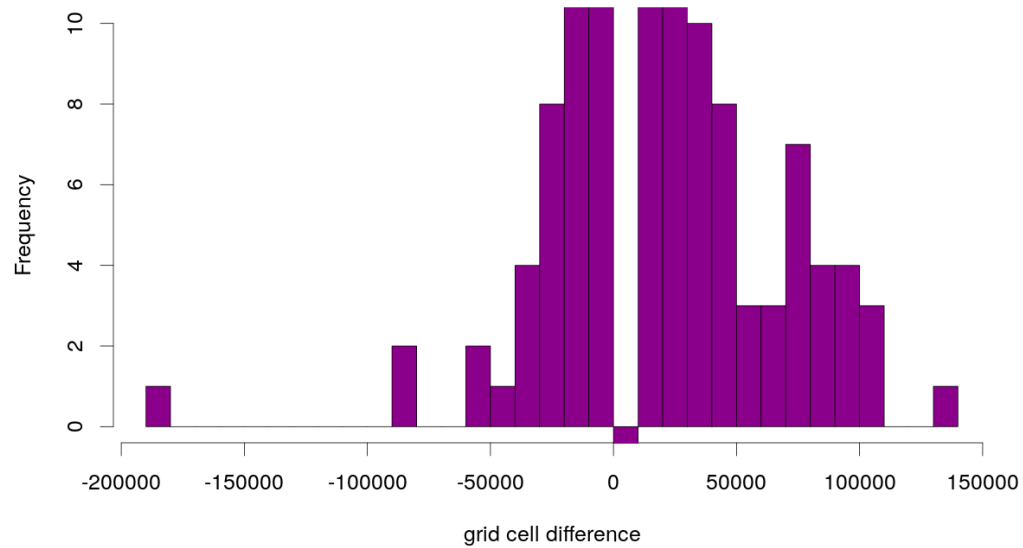
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.40611\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.40924\text{e}+09 \\
 \sum_x \Delta_x &= 3.1276\text{e}+06 \\
 \sum_x |\Delta_x| &= 4.44281\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000918232 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0130436 \\
 \max_x \Delta_x &= 147657 \\
 \min_x \Delta_x &= -180669
 \end{aligned}$$

Rural population, 2015**Rural population, 2015**

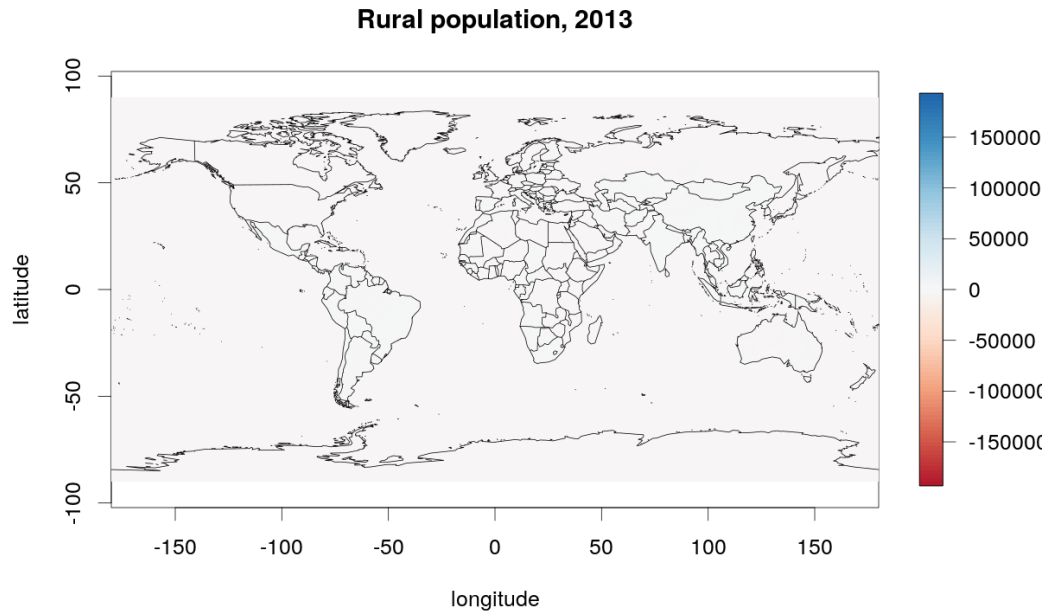
2014



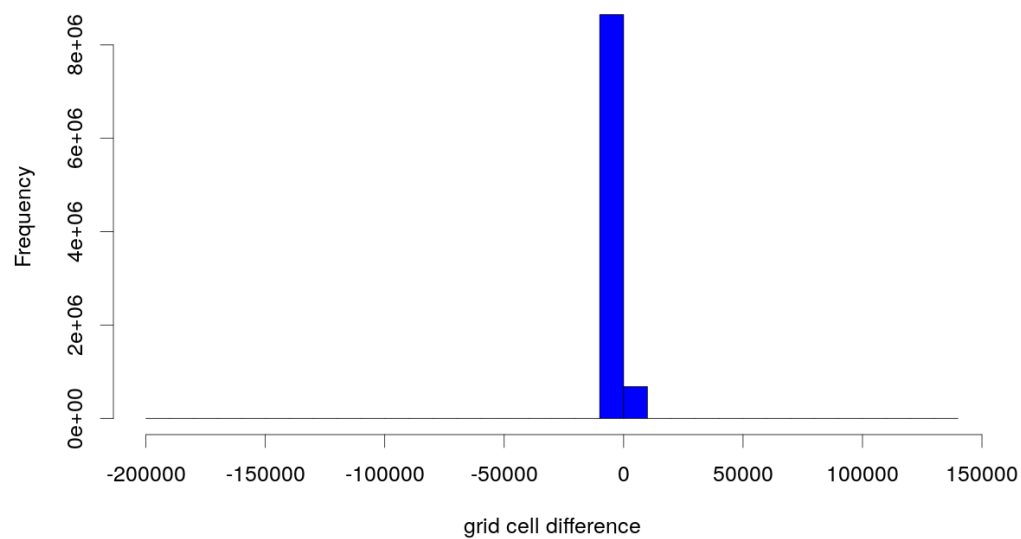
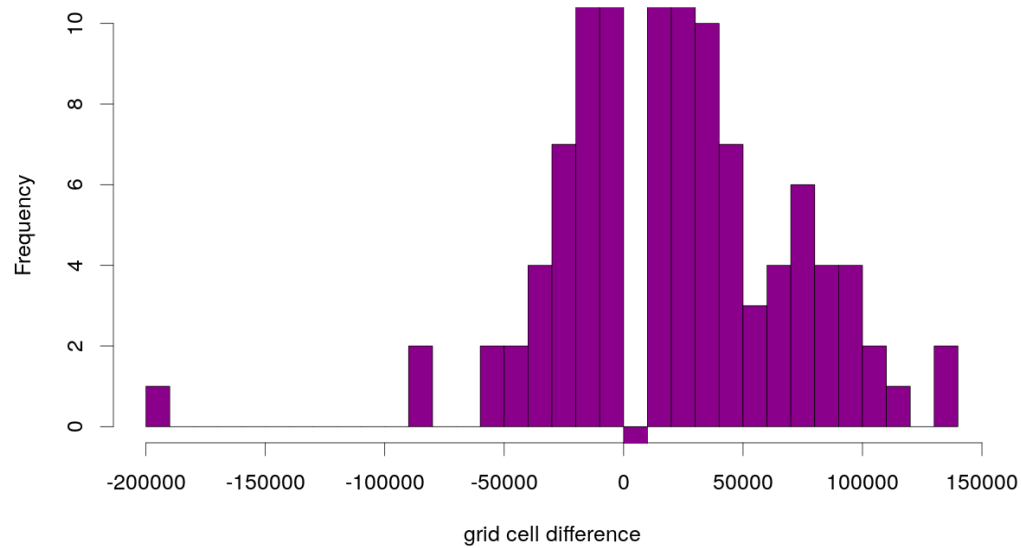
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.40386\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.40619\text{e}+09 \\
 \sum_x \Delta_x &= 2.33392\text{e}+06 \\
 \sum_x |\Delta_x| &= 4.27044\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000685669 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0125459 \\
 \max_x \Delta_x &= 139285 \\
 \min_x \Delta_x &= -185903
 \end{aligned}$$

Rural population, 2014**Rural population, 2014**

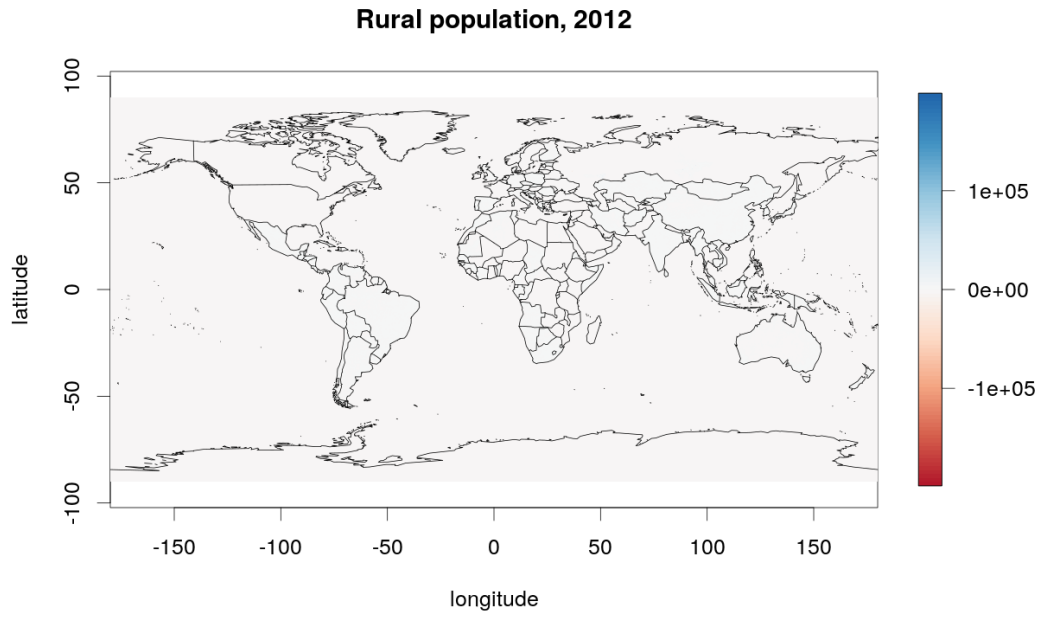
2013



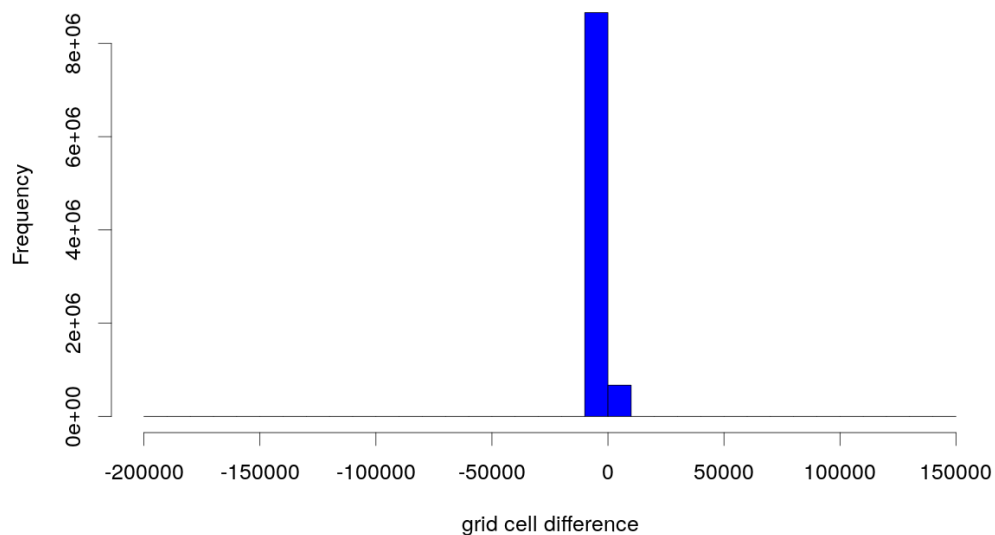
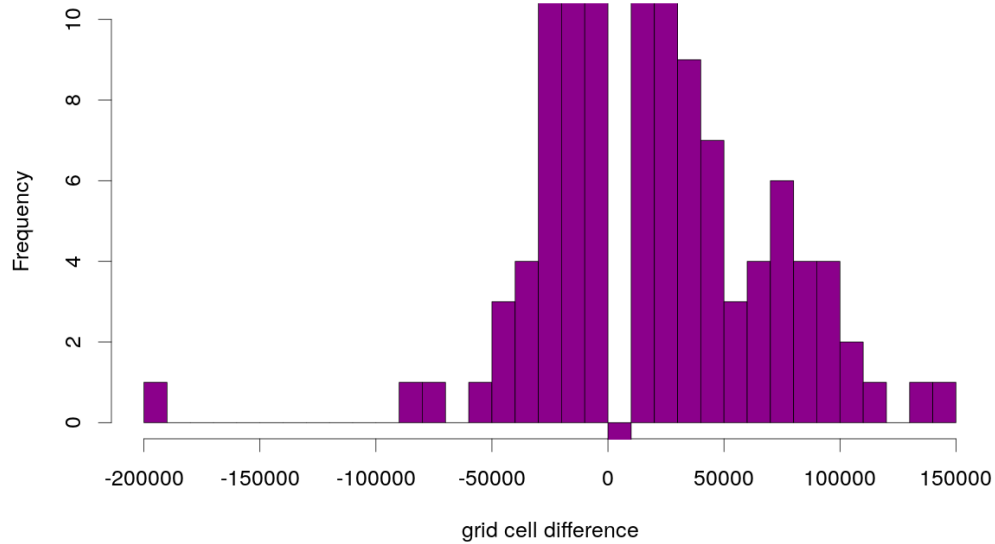
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.40085e+09 \\ \sum_x p_x^{(v3.3)} &= 3.40277e+09 \\ \sum_x \Delta_x &= 1.9242e+06 \\ \sum_x |\Delta_x| &= 4.15064e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0005658 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0122047 \\ \max_x \Delta_x &= 132095 \\ \min_x \Delta_x &= -191329 \end{aligned}$$

Rural population, 2013**Rural population, 2013**

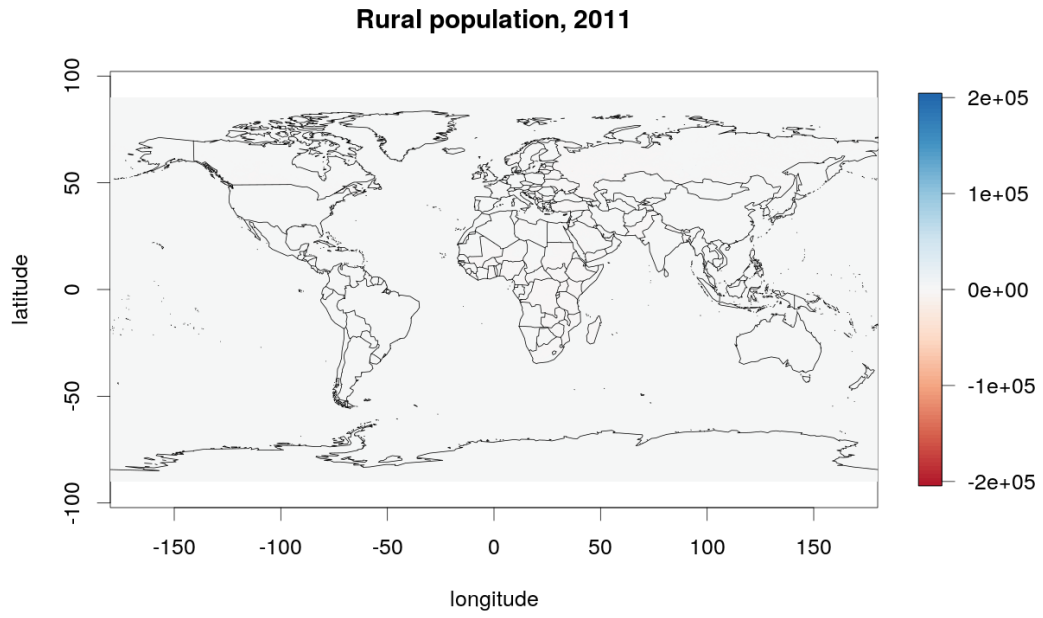
2012



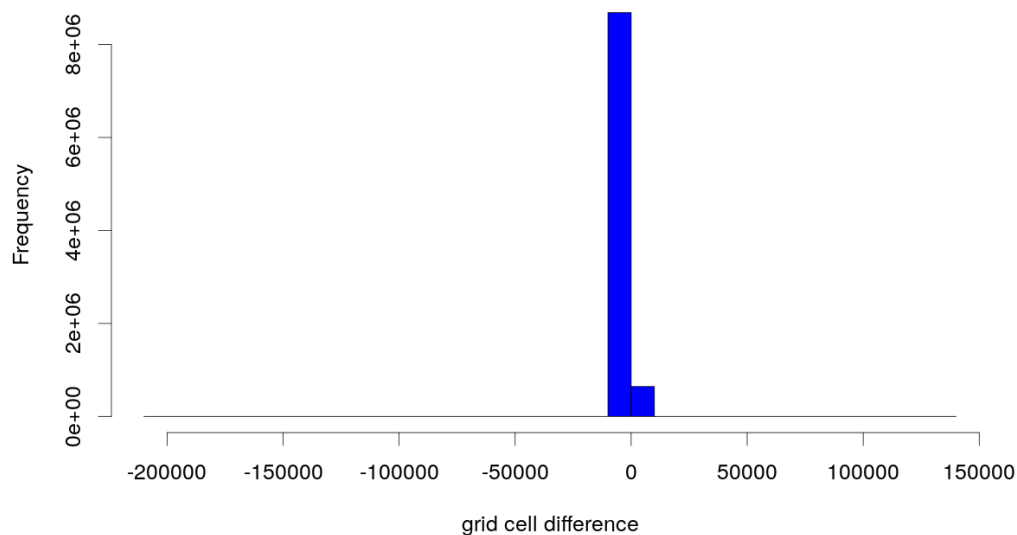
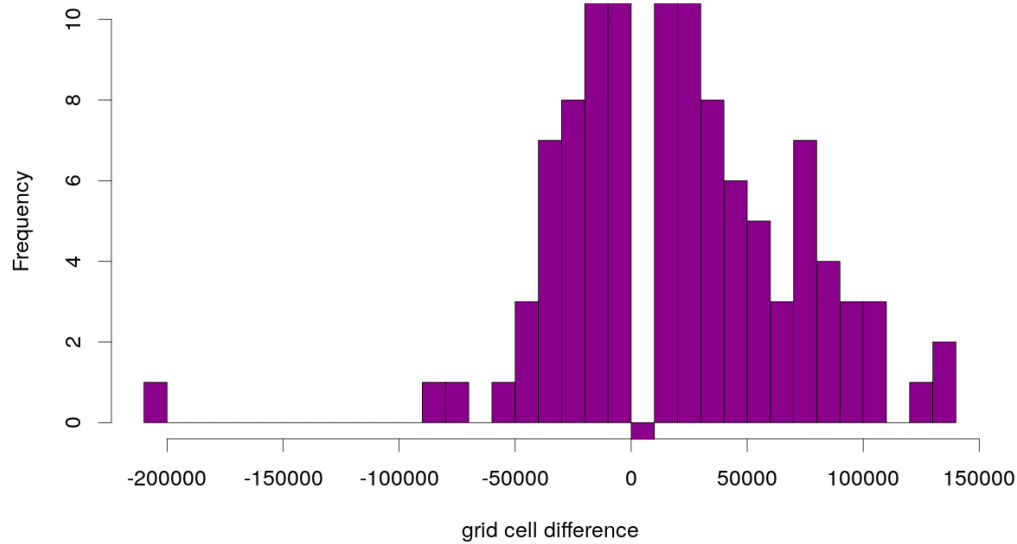
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.39708e+09 \\ \sum_x p_x^{(v3.3)} &= 3.39847e+09 \\ \sum_x \Delta_x &= 1.39247e+06 \\ \sum_x |\Delta_x| &= 4.02253e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000409902 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0118411 \\ \max_x \Delta_x &= 142931 \\ \min_x \Delta_x &= -196673 \end{aligned}$$

Rural population, 2012**Rural population, 2012**

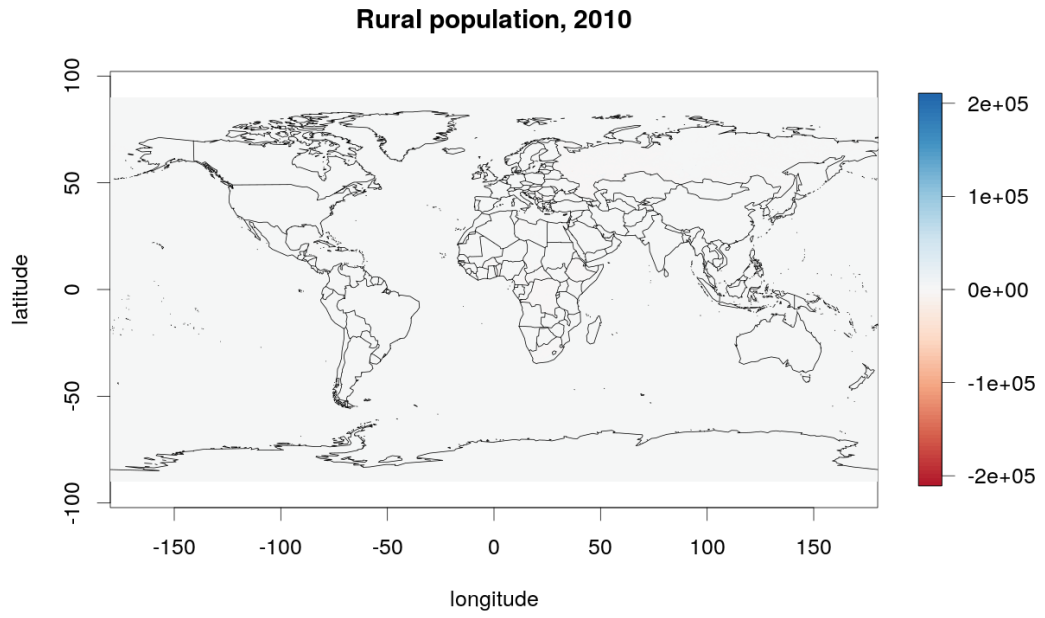
2011



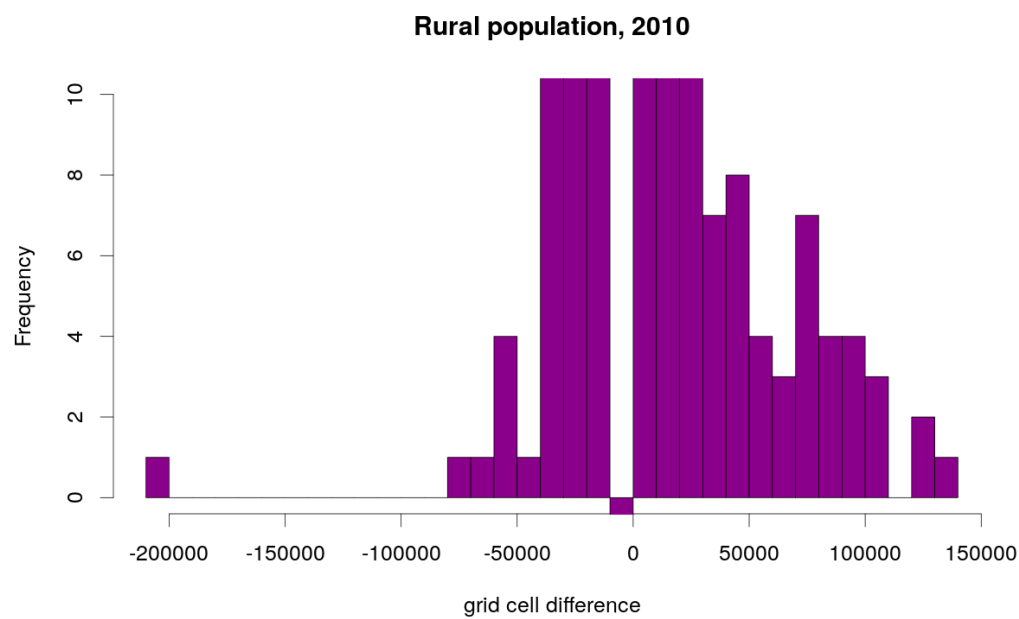
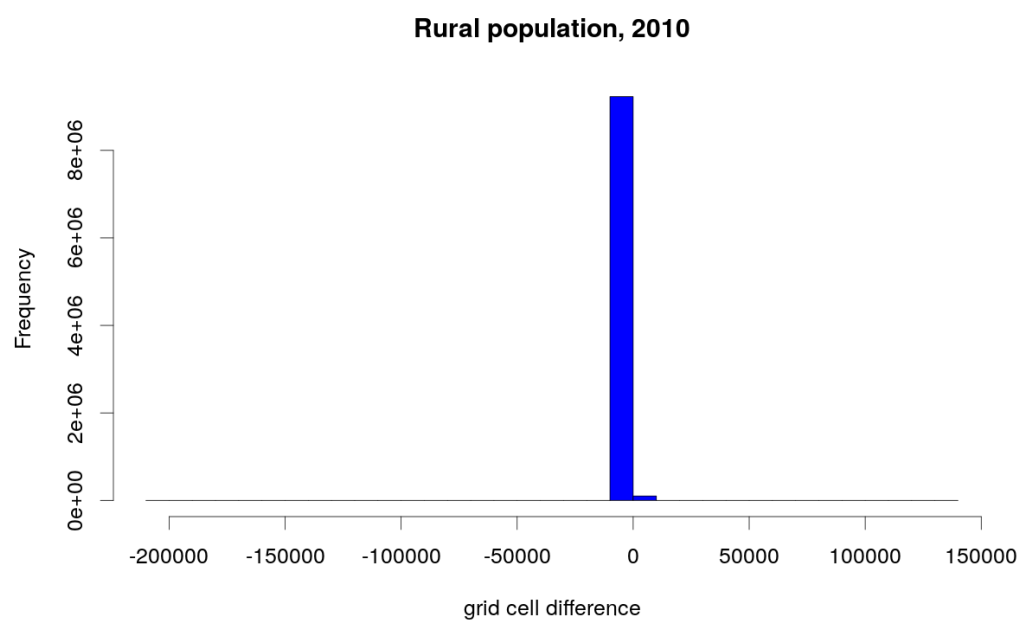
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.39255e+09 \\ \sum_x p_x^{(v3.3)} &= 3.39352e+09 \\ \sum_x \Delta_x &= 969563 \\ \sum_x |\Delta_x| &= 3.90213e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000285792 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0115021 \\ \max_x \Delta_x &= 135083 \\ \min_x \Delta_x &= -202419 \end{aligned}$$

Rural population, 2011**Rural population, 2011**

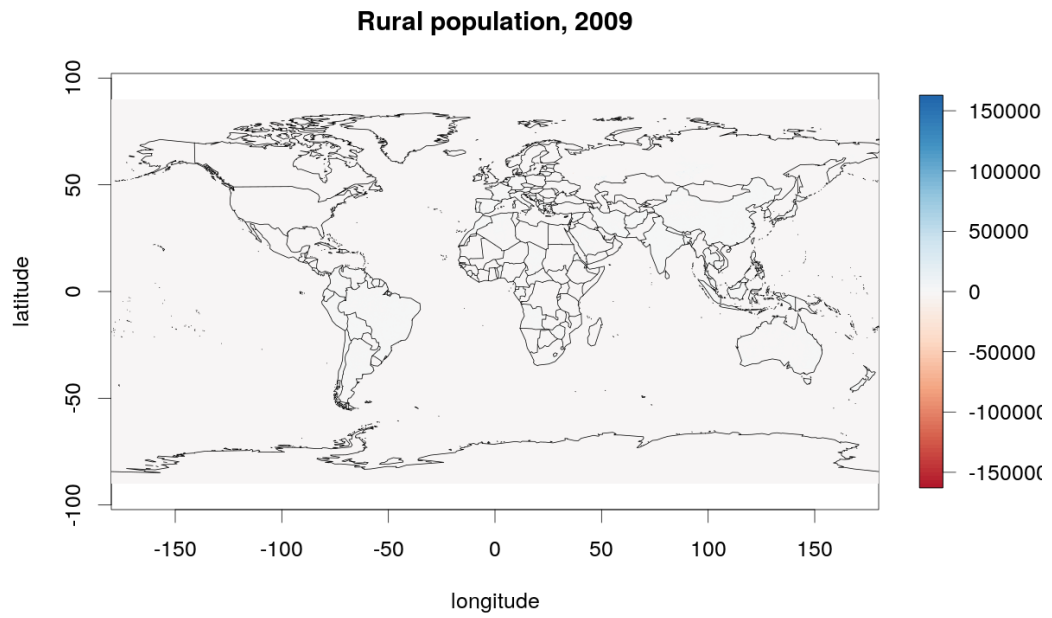
2010



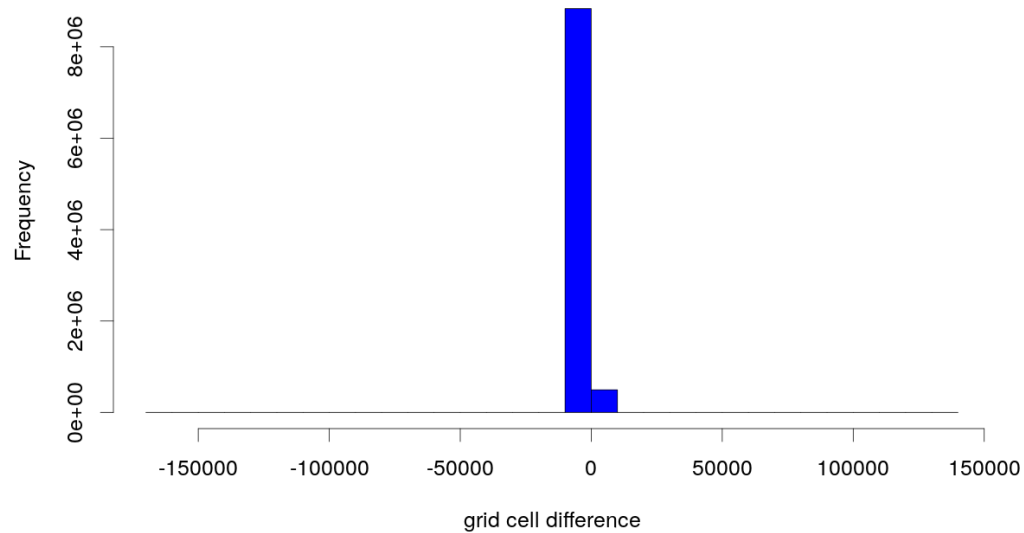
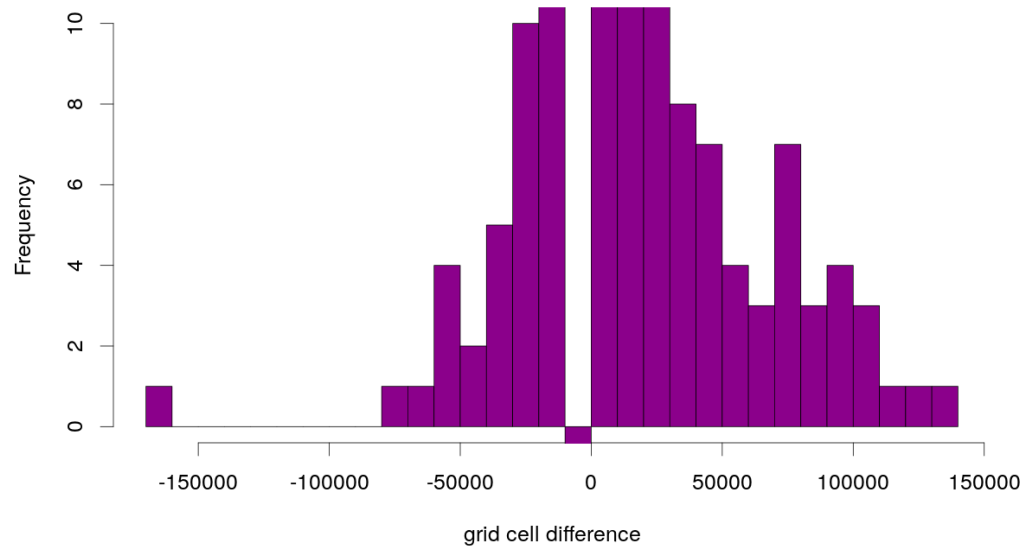
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.38727\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 3.38584\text{e}+09 \\ \sum_x \Delta_x &= -1.43403\text{e}+06 \\ \sum_x |\Delta_x| &= 4.01391\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000423359 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.01185 \\ \max_x \Delta_x &= 133786 \\ \min_x \Delta_x &= -208644 \end{aligned}$$



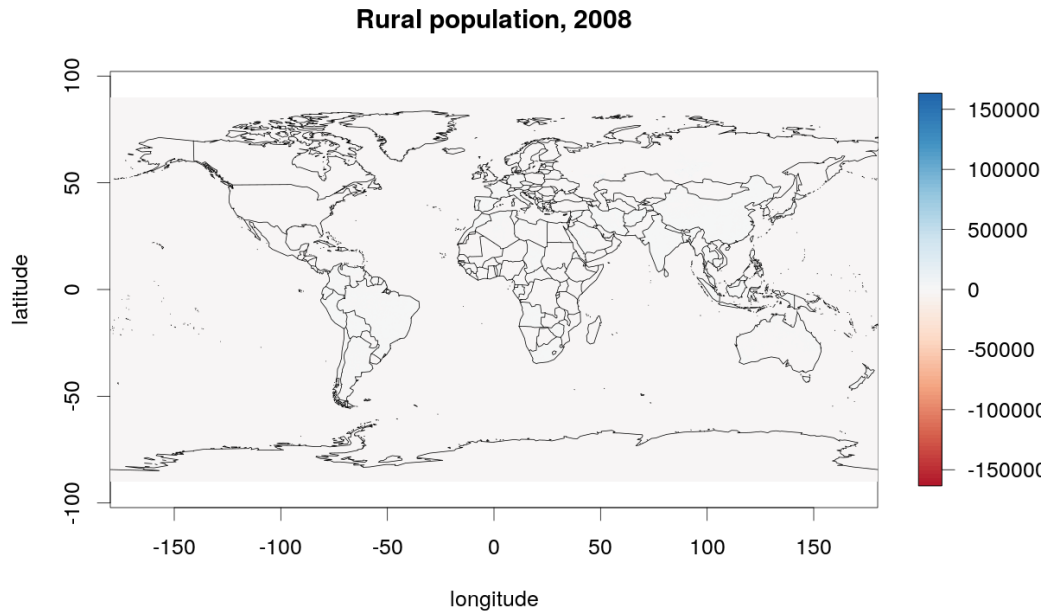
2009



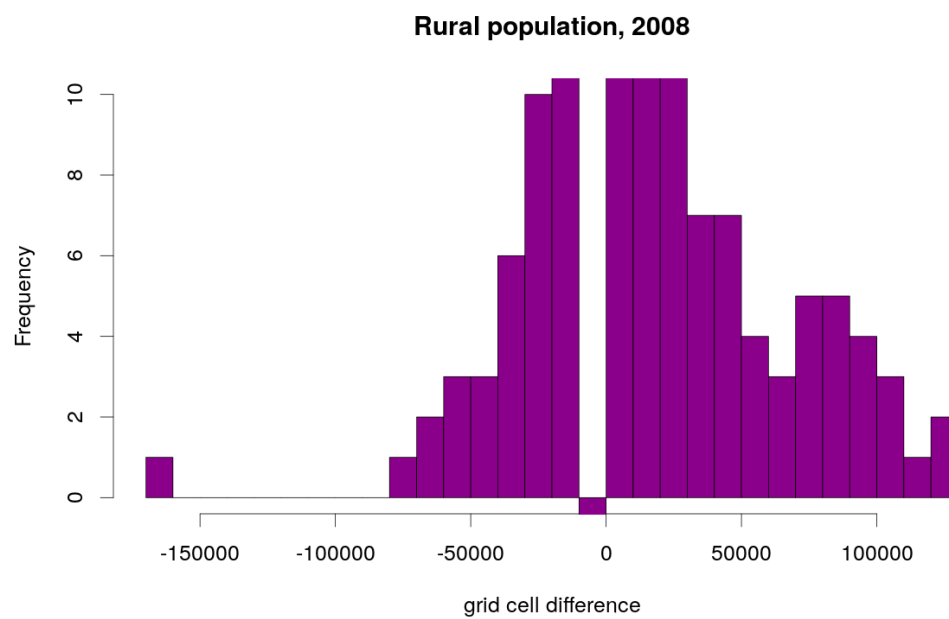
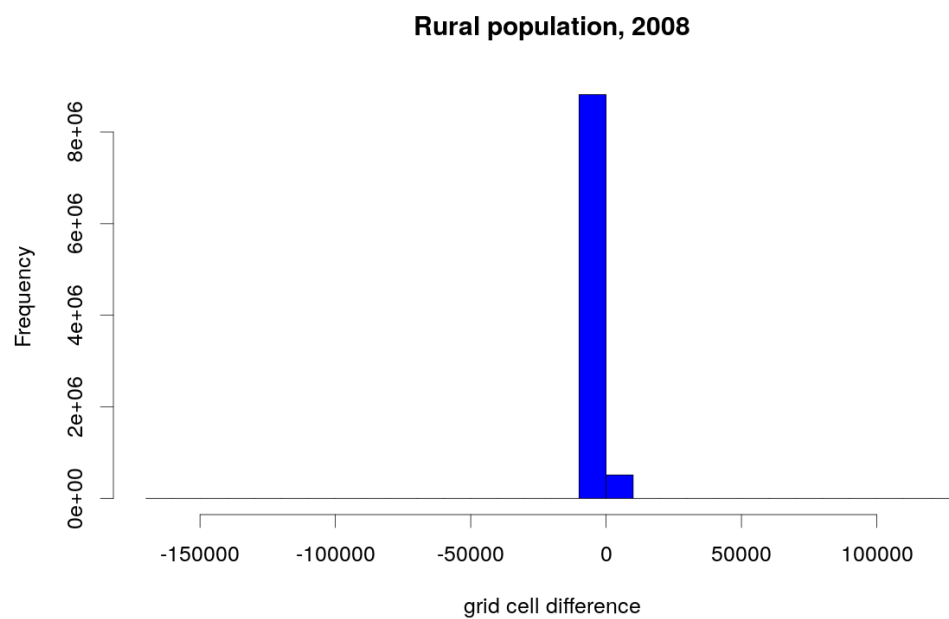
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.37661e+09 \\ \sum_x p_x^{(v3.3)} &= 3.37655e+09 \\ \sum_x \Delta_x &= -63244.6 \\ \sum_x |\Delta_x| &= 3.98808e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -1.87302e-05 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0118109 \\ \max_x \Delta_x &= 134607 \\ \min_x \Delta_x &= -161244 \end{aligned}$$

Rural population, 2009**Rural population, 2009**

2008

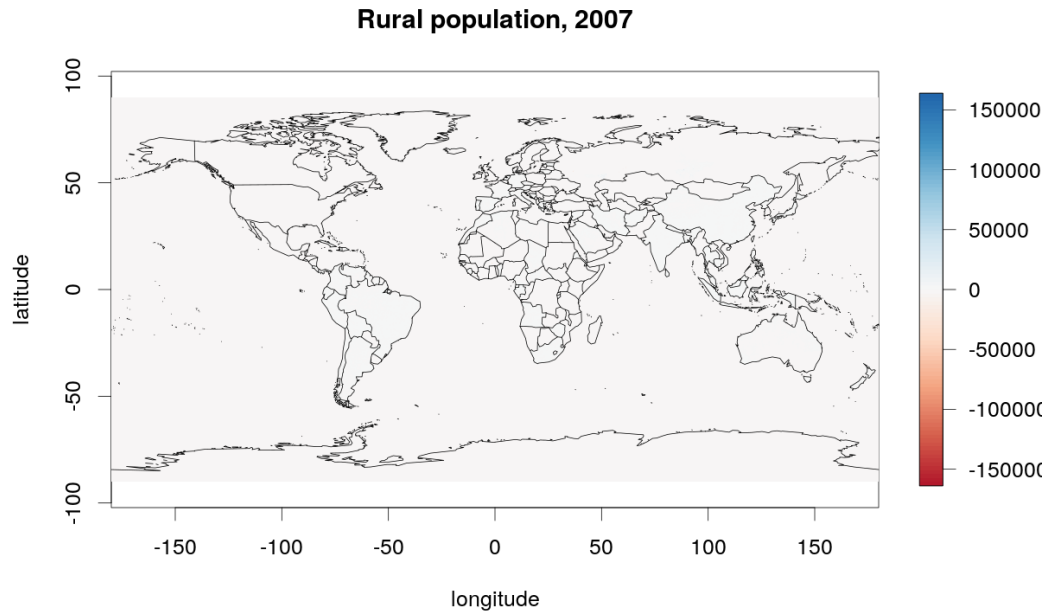


$$\begin{aligned}
 \sum_x p_x^{(\nu 3.2.1)} &= 3.36532\text{e}+09 \\
 \sum_x p_x^{(\nu 3.3)} &= 3.36482\text{e}+09 \\
 \sum_x \Delta_x &= -505061 \\
 \sum_x |\Delta_x| &= 4.20545\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(\nu 3.2.1)} &= -0.000150078 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(\nu 3.2.1)} &= 0.0124964 \\
 \max_x \Delta_x &= 129731 \\
 \min_x \Delta_x &= -161712
 \end{aligned}$$

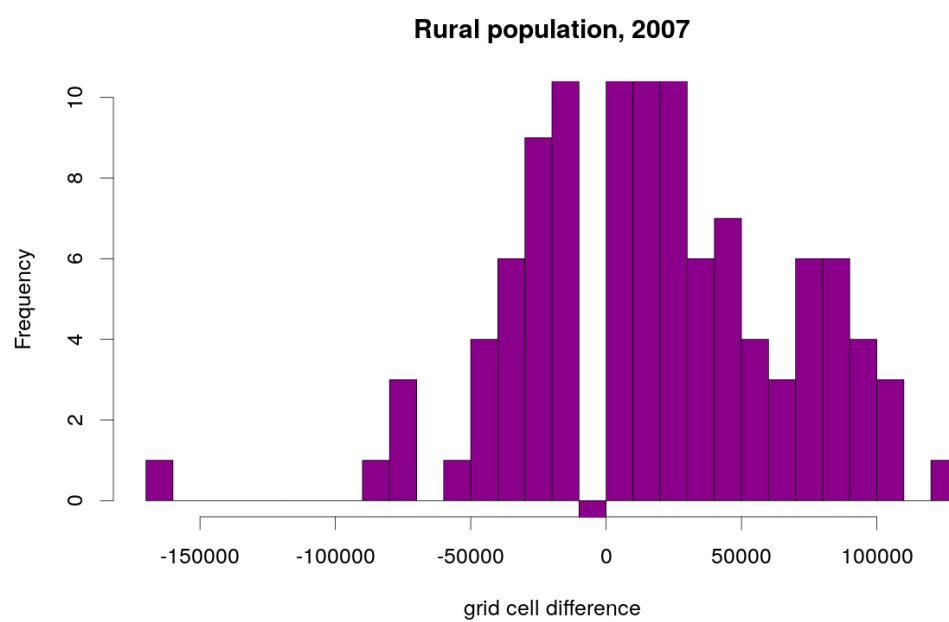
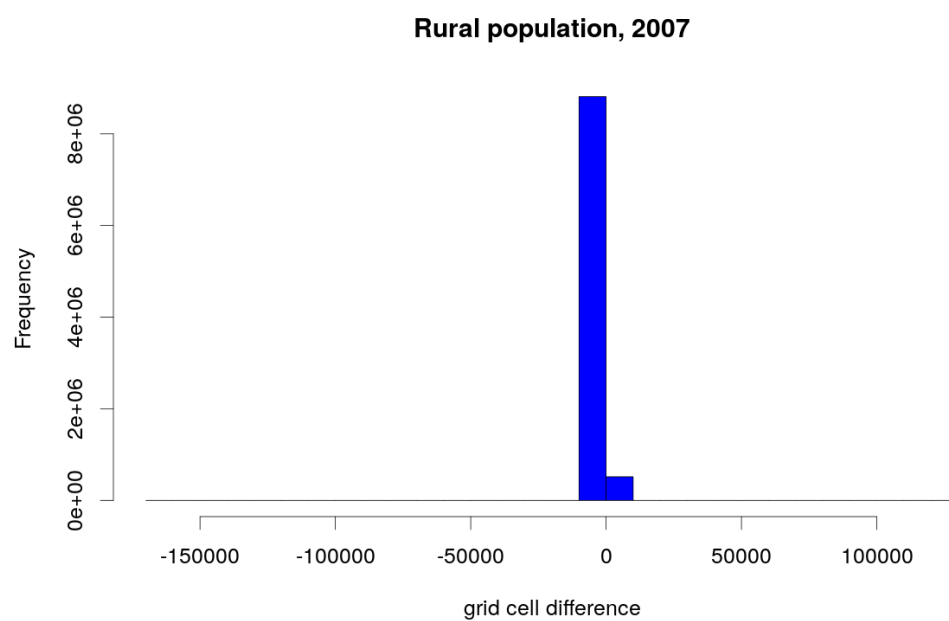


100

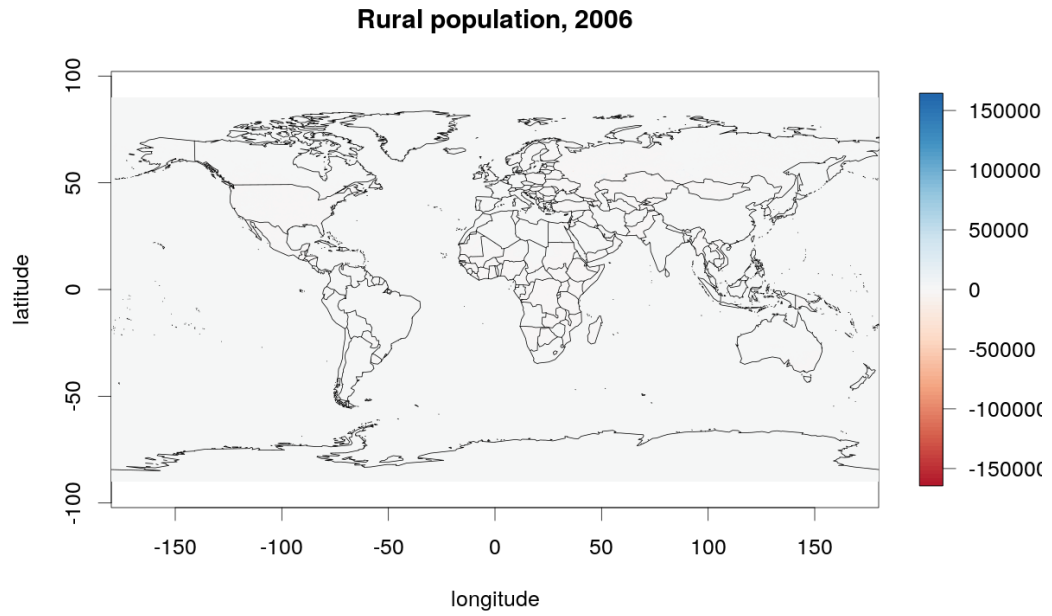
2007



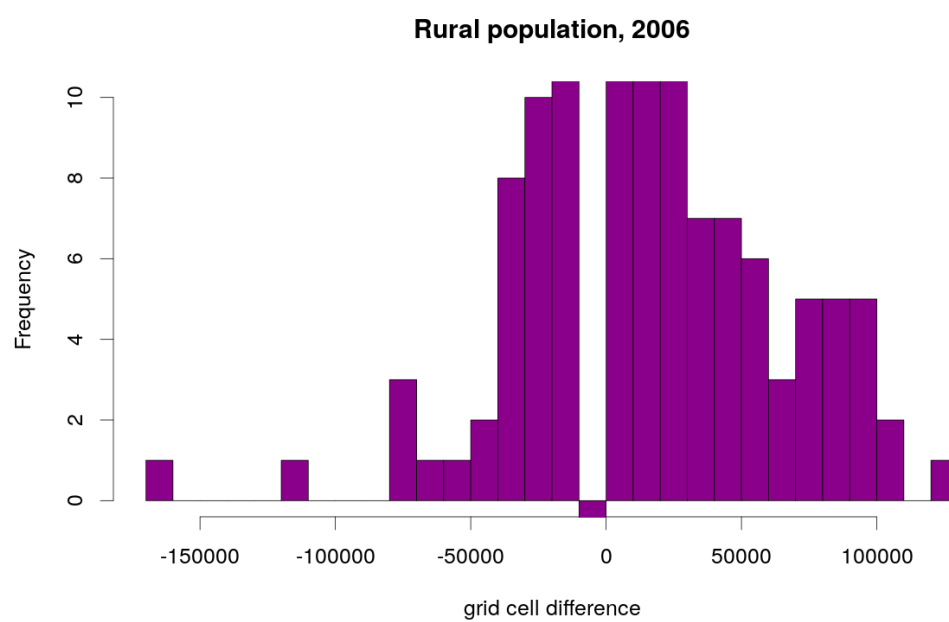
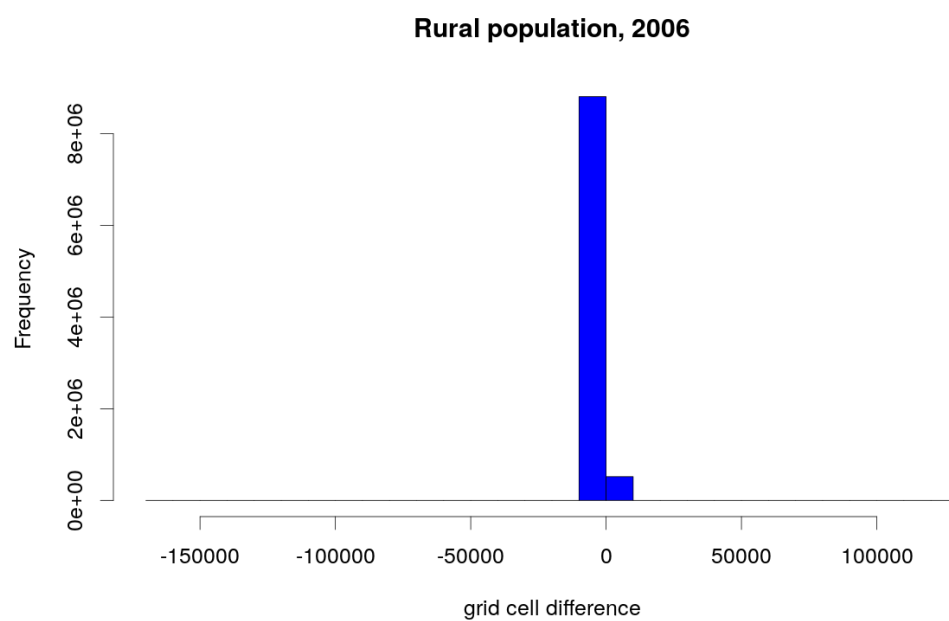
$$\begin{aligned}\sum_x p_x^{(\nu 3.2.1)} &= 3.35341\text{e}+09 \\ \sum_x p_x^{(\nu 3.3)} &= 3.35255\text{e}+09 \\ \sum_x \Delta_x &= -855066 \\ \sum_x |\Delta_x| &= 4.43269\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(\nu 3.2.1)} &= -0.000254984 \\ \sum_x |\Delta_x| / \sum_x p_x^{(\nu 3.2.1)} &= 0.0132185 \\ \max_x \Delta_x &= 125202 \\ \min_x \Delta_x &= -162189\end{aligned}$$



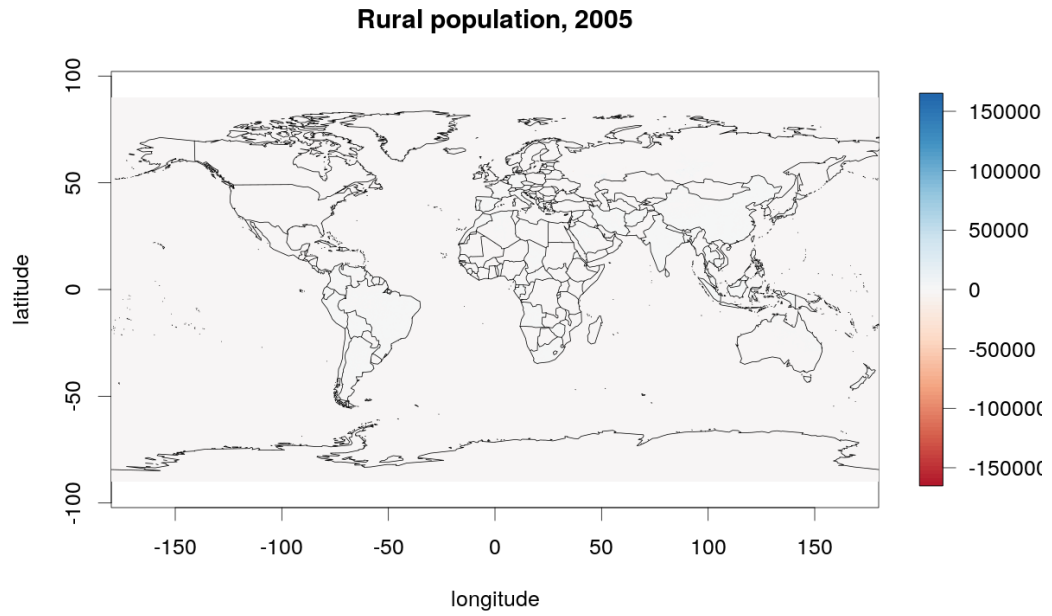
2006



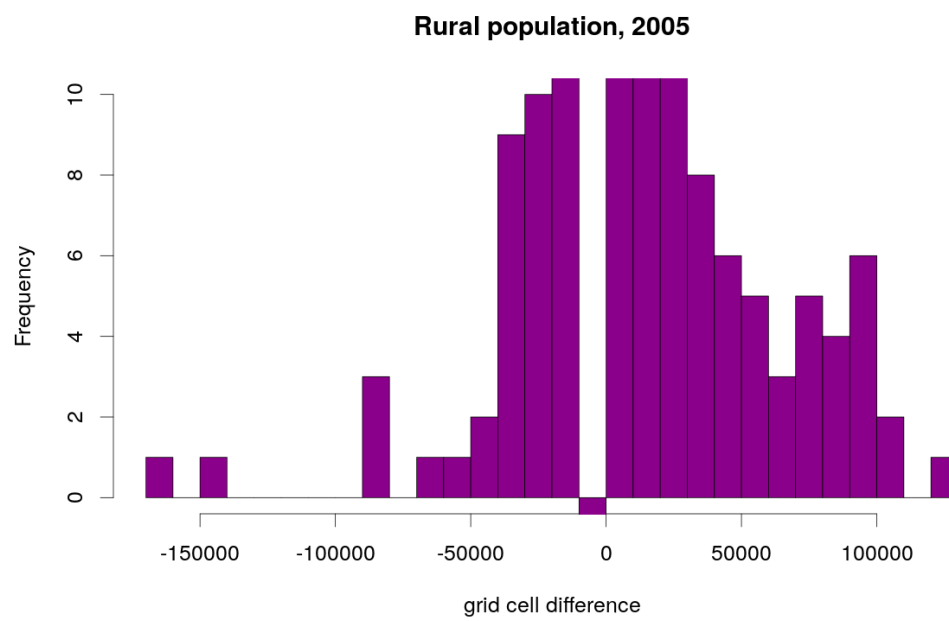
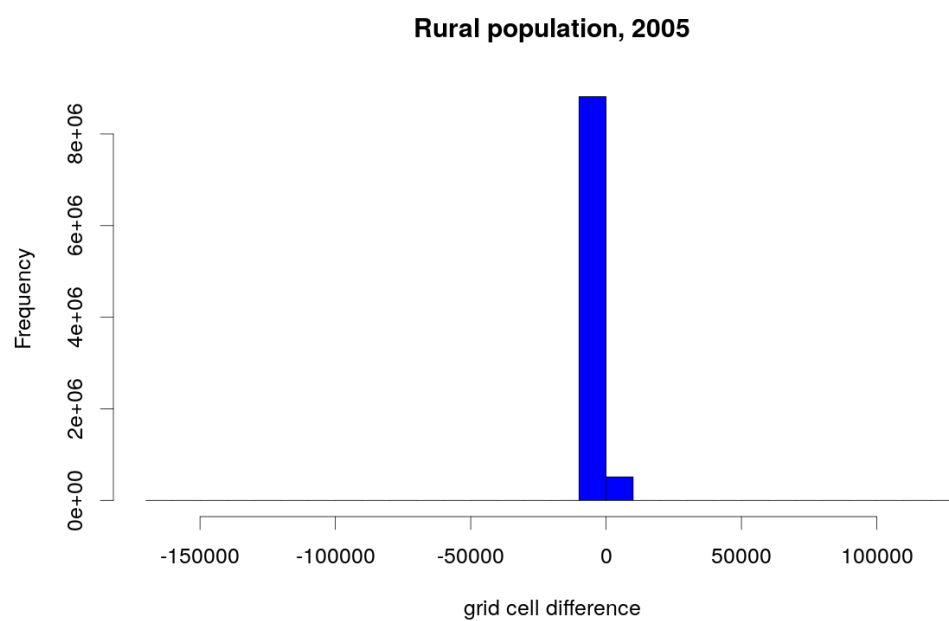
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.34087\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.33977\text{e}+09 \\
 \sum_x \Delta_x &= -1.1024\text{e}+06 \\
 \sum_x |\Delta_x| &= 4.65831\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000329974 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0139434 \\
 \max_x \Delta_x &= 123034 \\
 \min_x \Delta_x &= -162797
 \end{aligned}$$



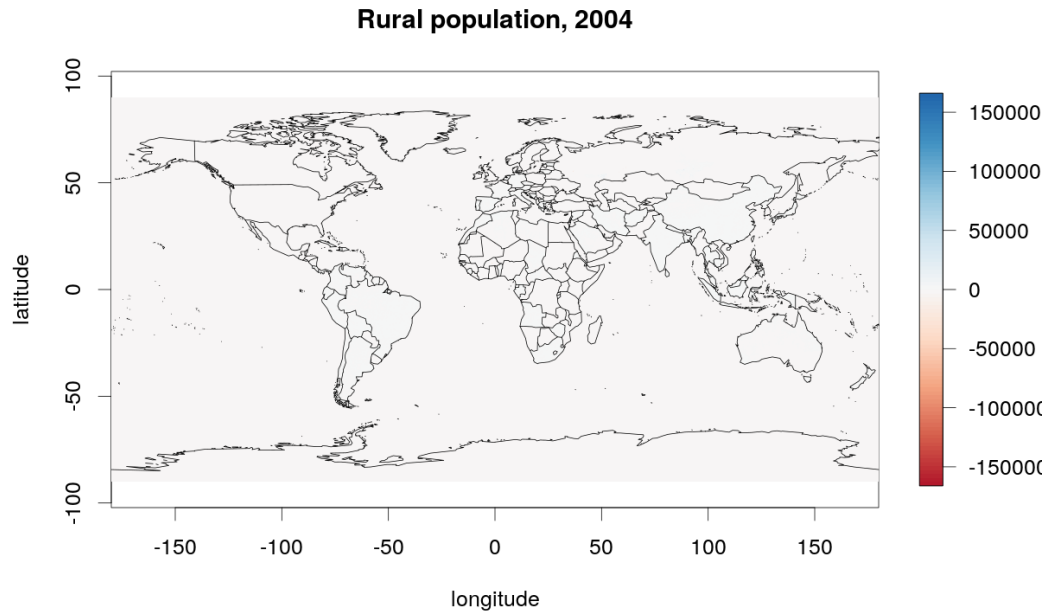
2005



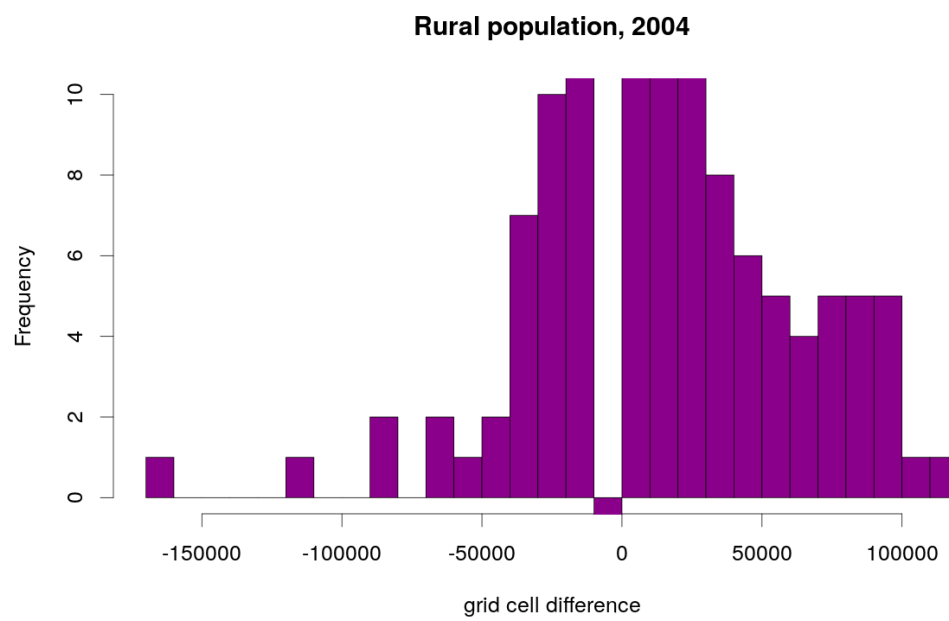
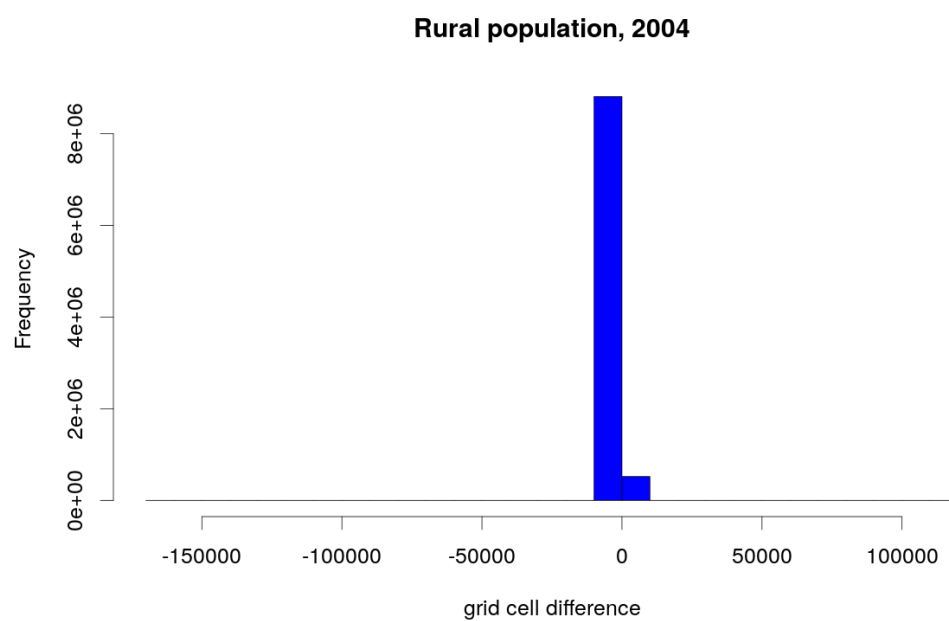
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.32771\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 3.32647\text{e}+09 \\ \sum_x \Delta_x &= -1.23611\text{e}+06 \\ \sum_x |\Delta_x| &= 4.8818\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00037146 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0146701 \\ \max_x \Delta_x &= 120877 \\ \min_x \Delta_x &= -163529 \end{aligned}$$



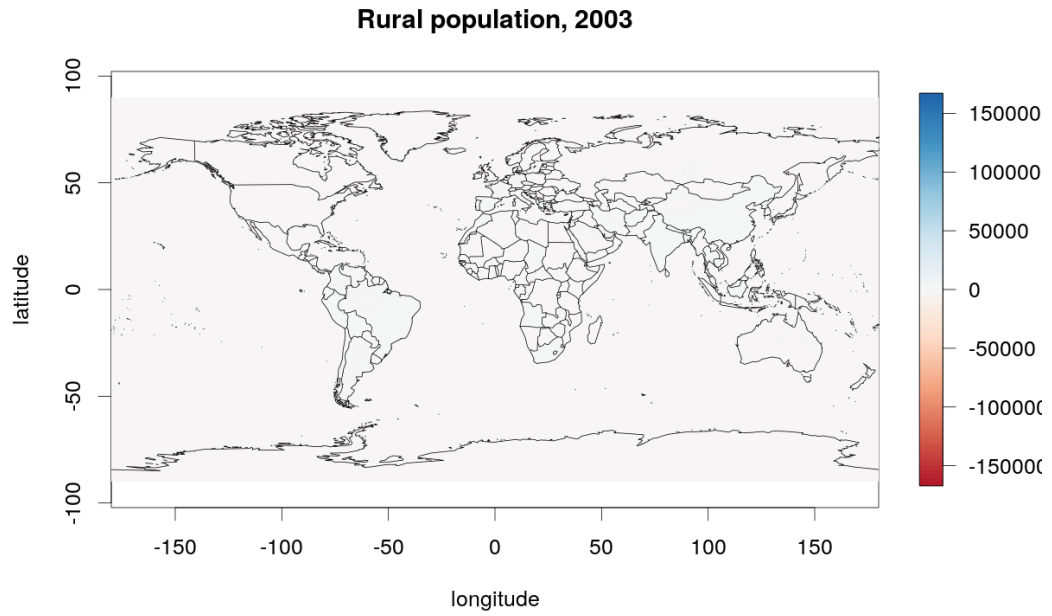
2004



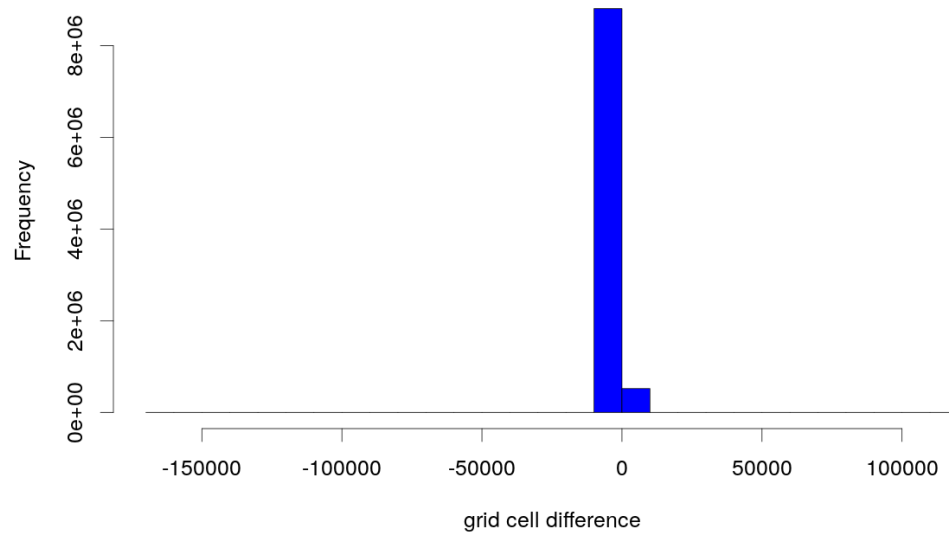
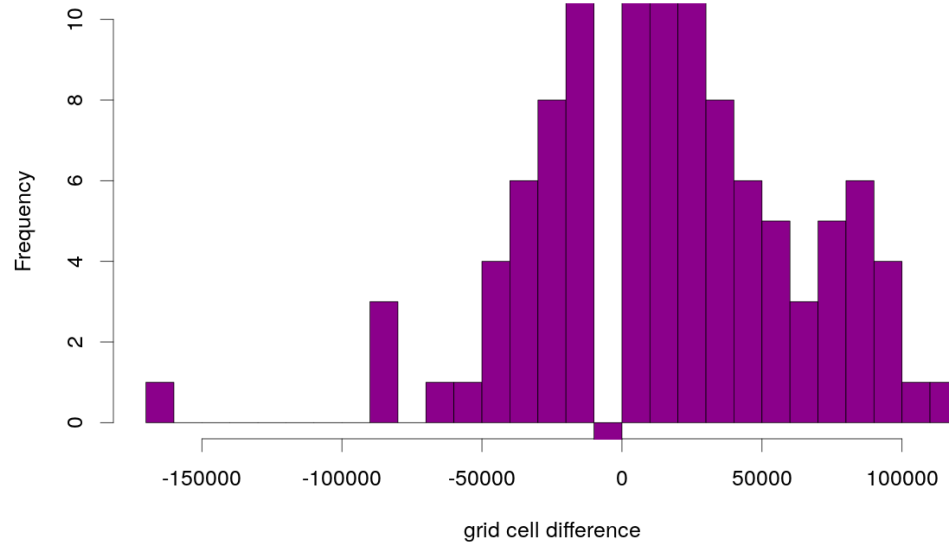
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.31392\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.31284\text{e}+09 \\
 \sum_x \Delta_x &= -1.08075\text{e}+06 \\
 \sum_x |\Delta_x| &= 4.65872\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000326124 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.014058 \\
 \max_x \Delta_x &= 118805 \\
 \min_x \Delta_x &= -164375
 \end{aligned}$$



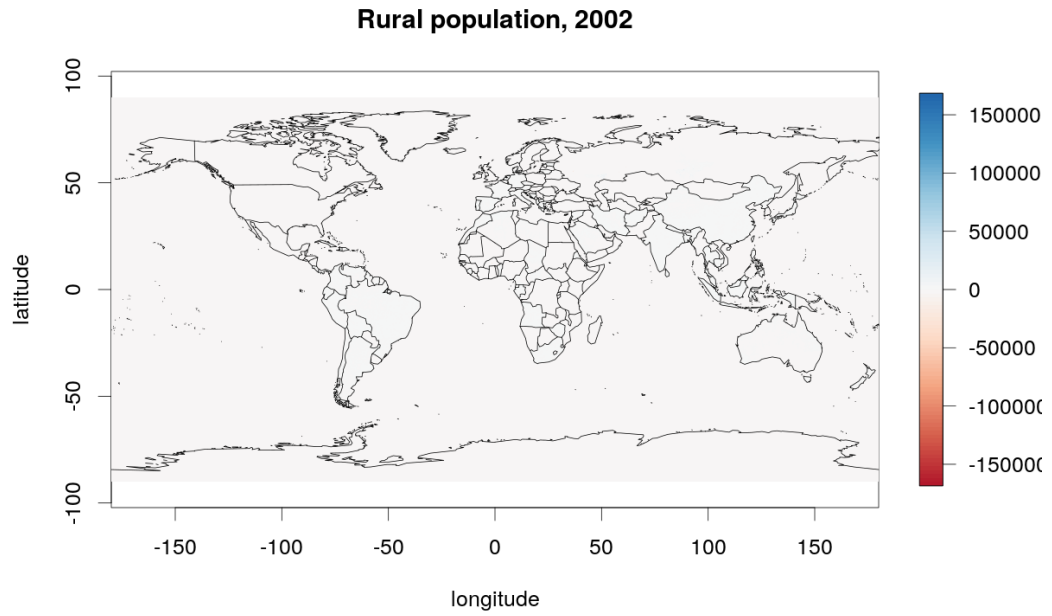
2003



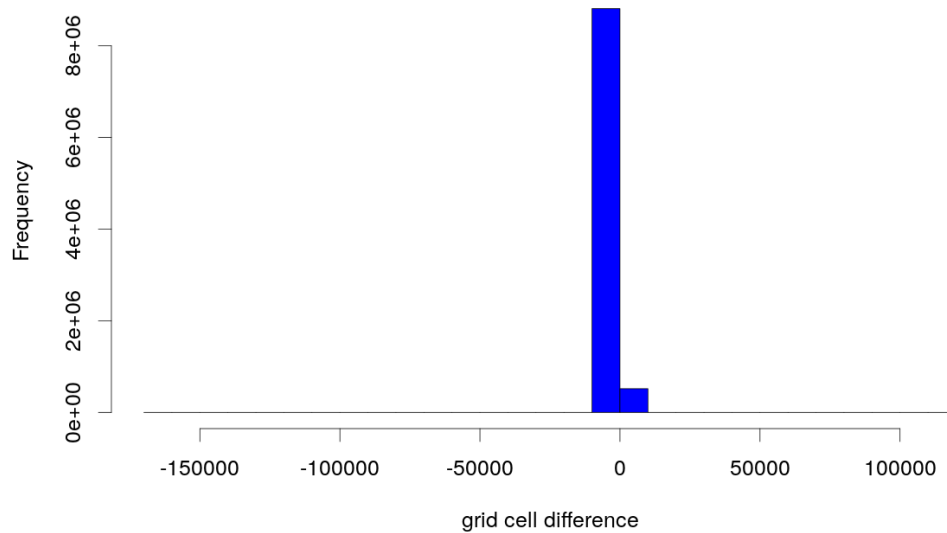
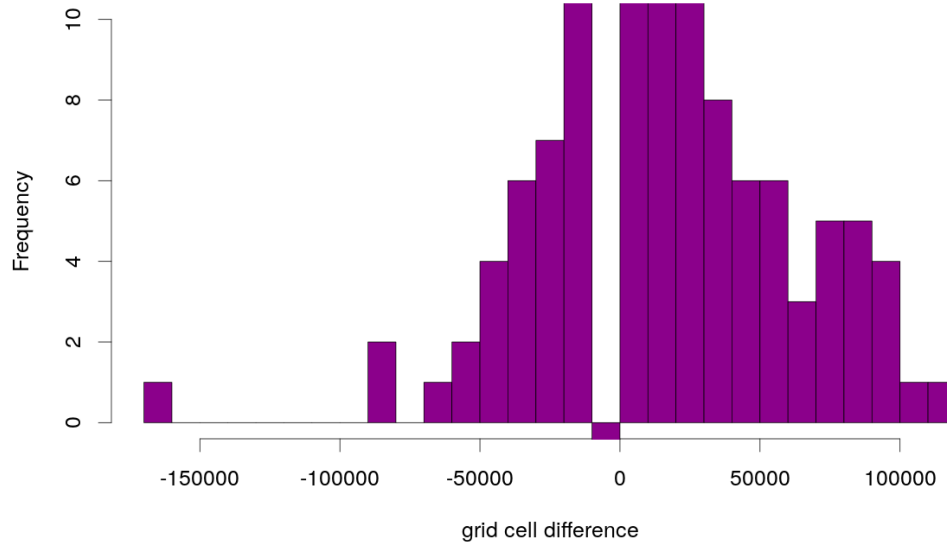
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.29951e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.29852e+09 \\
 \sum_x \Delta_x &= -987972 \\
 \sum_x |\Delta_x| &= 4.41701e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00029943 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0133869 \\
 \max_x \Delta_x &= 116680 \\
 \min_x \Delta_x &= -165423
 \end{aligned}$$

Rural population, 2003**Rural population, 2003**

2002

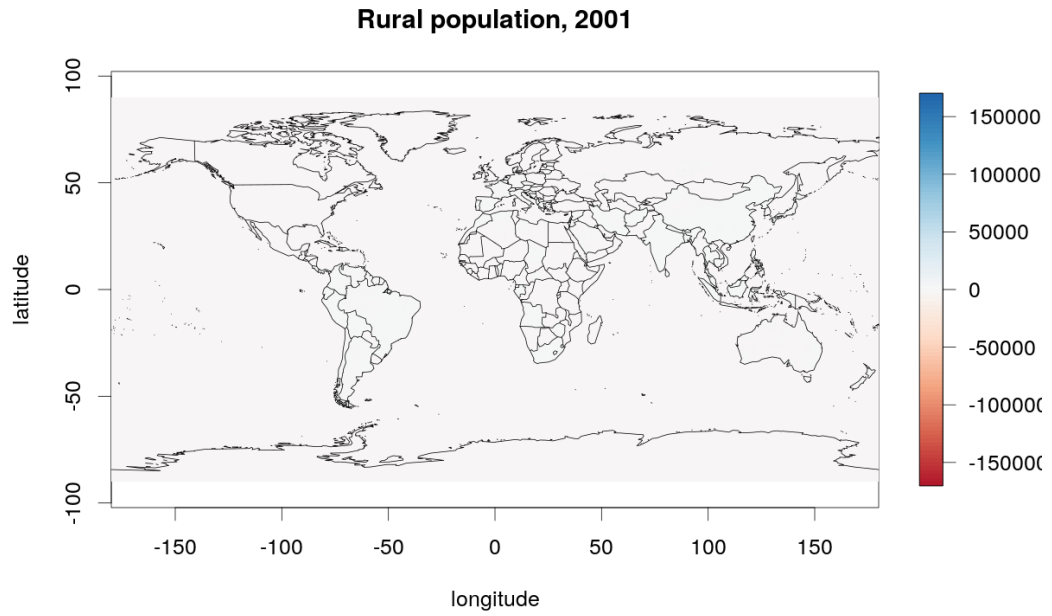


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.28447\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 3.28369\text{e}+09 \\
 \sum_x \Delta_x &= -775939 \\
 \sum_x |\Delta_x| &= 4.16839\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000236245 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0126912 \\
 \max_x \Delta_x &= 114484 \\
 \min_x \Delta_x &= -166794
 \end{aligned}$$

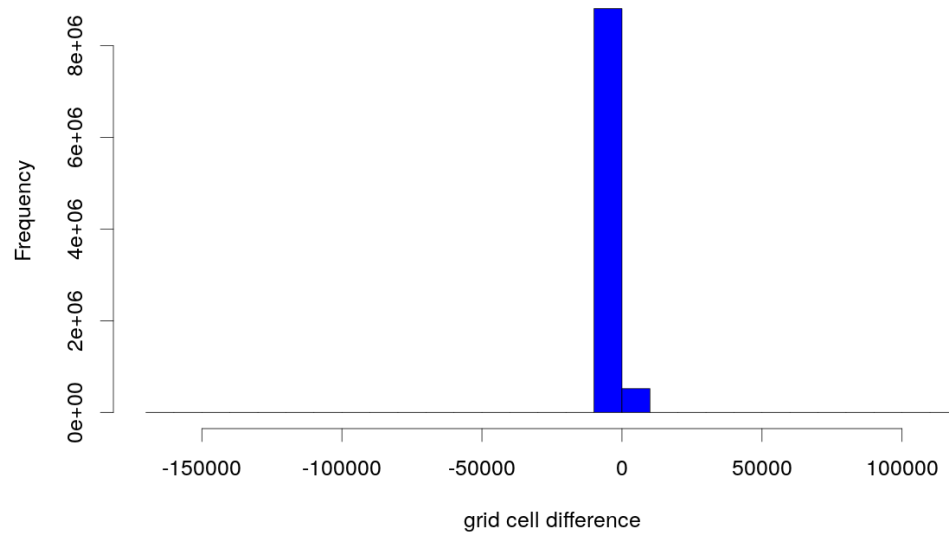
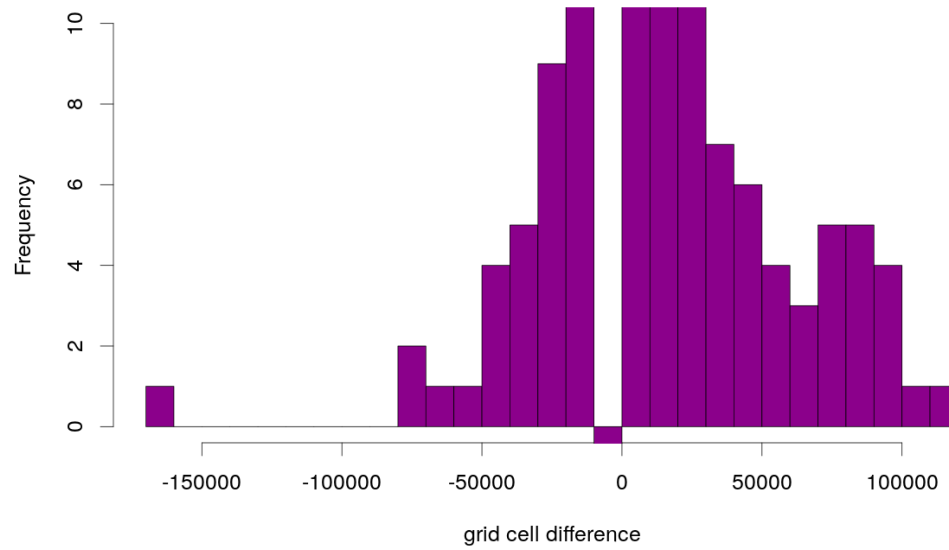
Rural population, 2002**Rural population, 2002**

112

2001

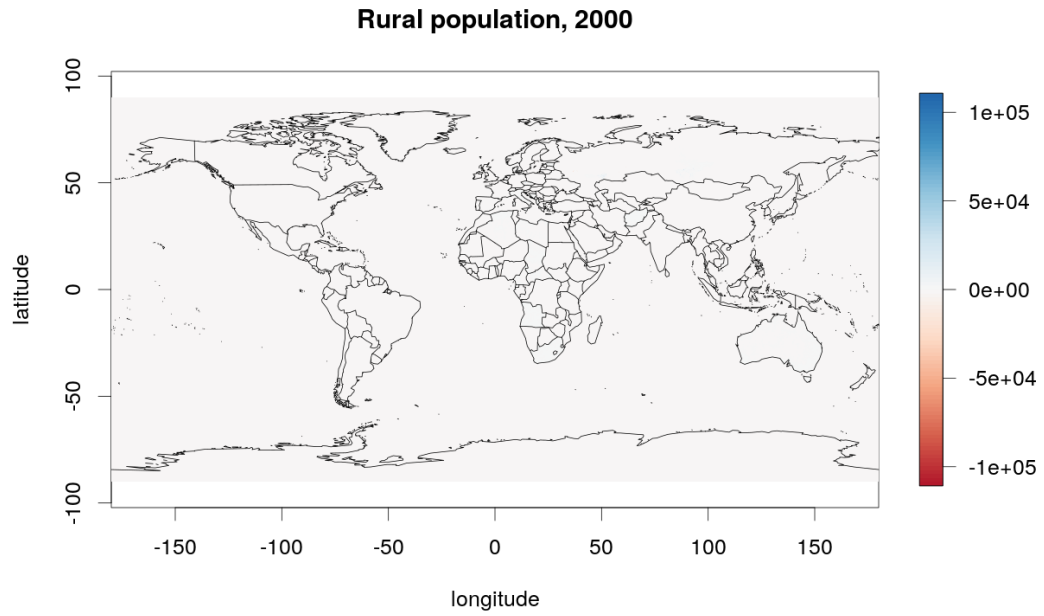


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 3.2688\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 3.2684\text{e}+09 \\ \sum_x \Delta_x &= -405474 \\ \sum_x |\Delta_x| &= 3.91621\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000124044 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0119806 \\ \max_x \Delta_x &= 112155 \\ \min_x \Delta_x &= -168550\end{aligned}$$

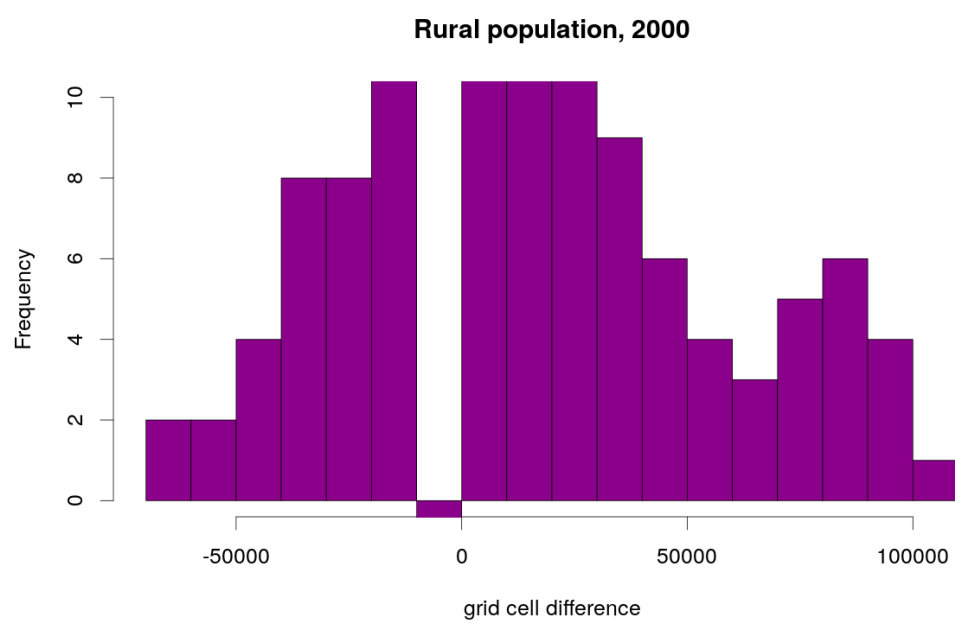
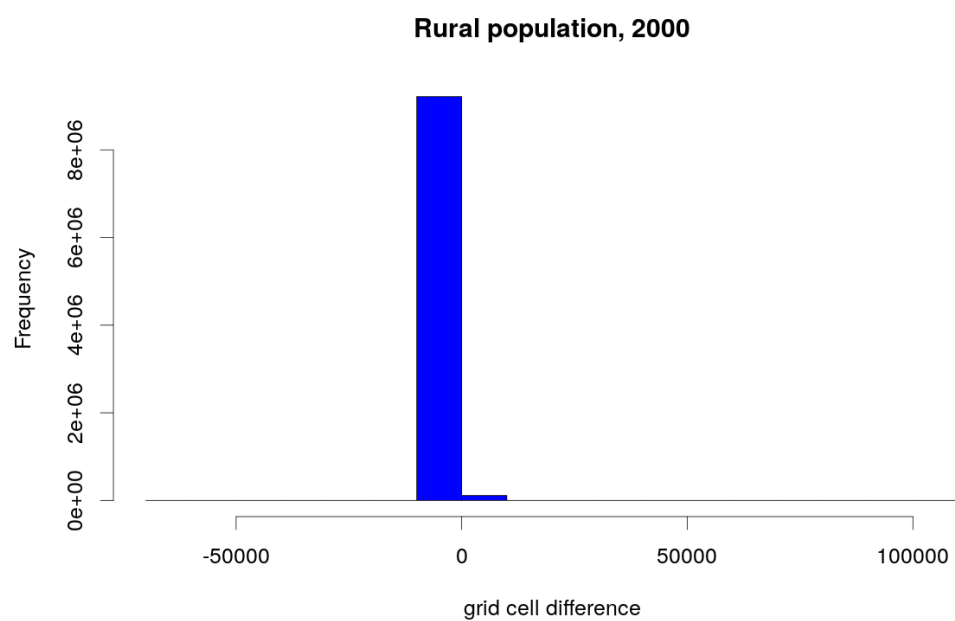
Rural population, 2001**Rural population, 2001**

114

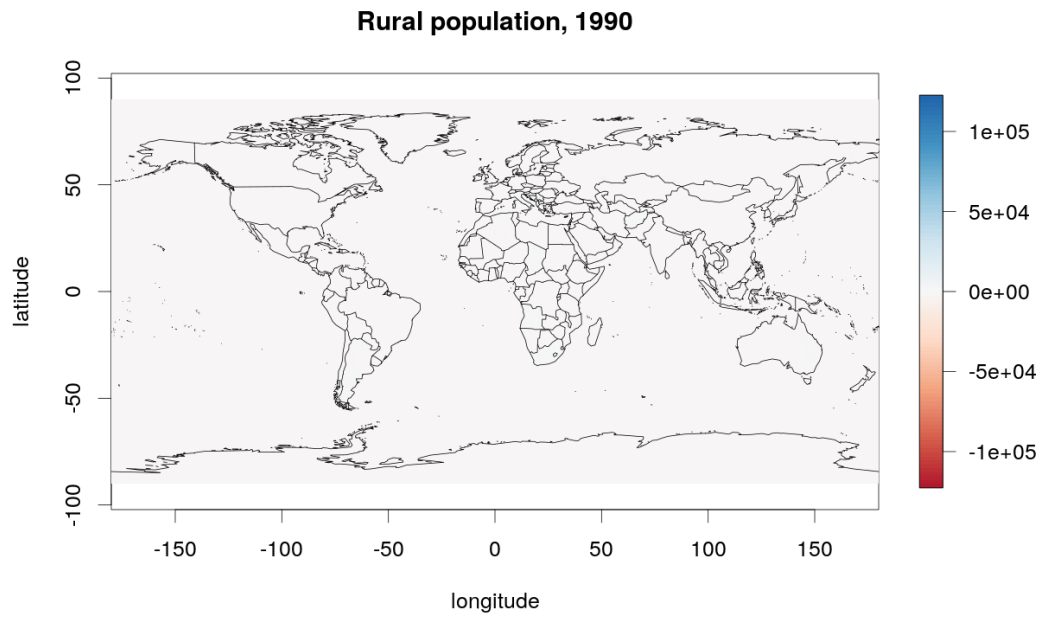
2000



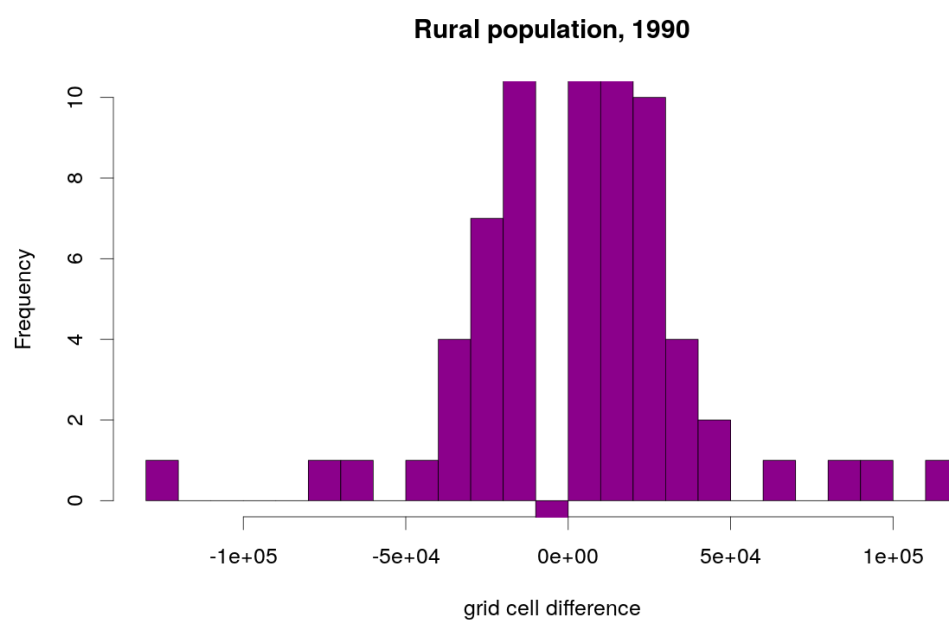
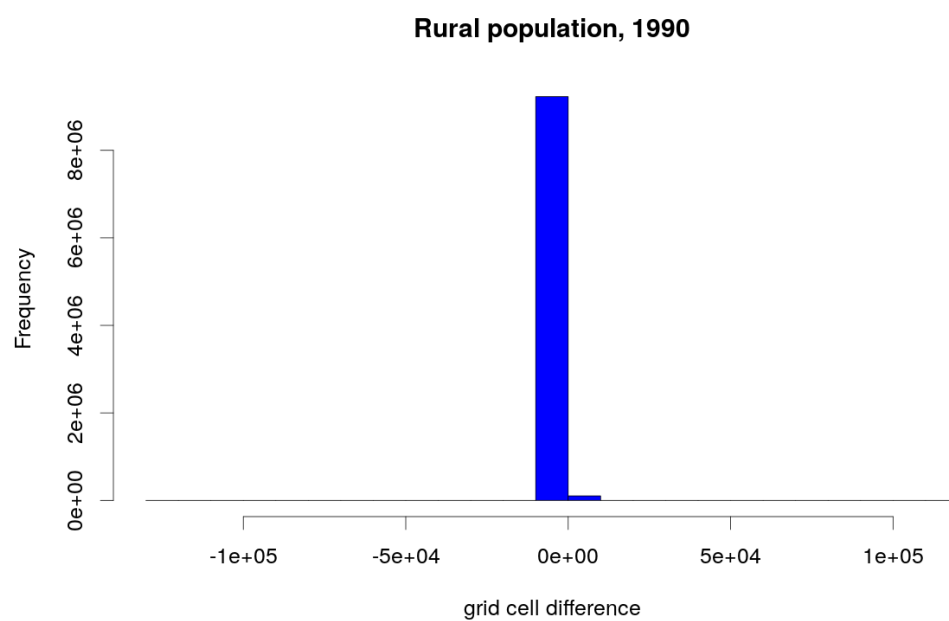
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 3.25251\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 3.25146\text{e}+09 \\ \sum_x \Delta_x &= -1.04864\text{e}+06 \\ \sum_x |\Delta_x| &= 3.8228\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.000322409 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0117534 \\ \max_x \Delta_x &= 109648 \\ \min_x \Delta_x &= -69871.9\end{aligned}$$



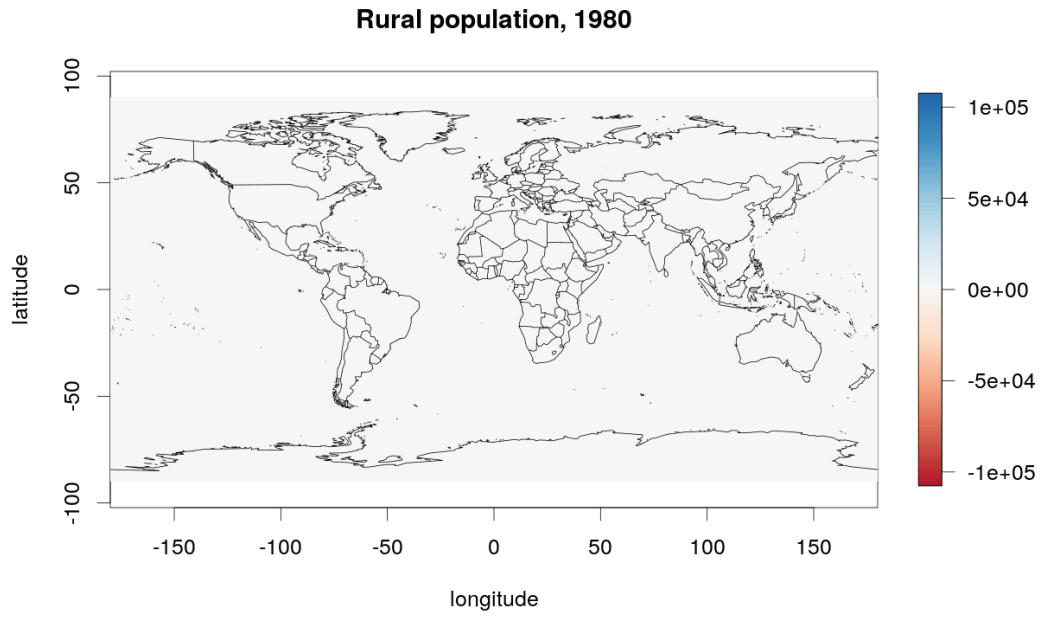
1990



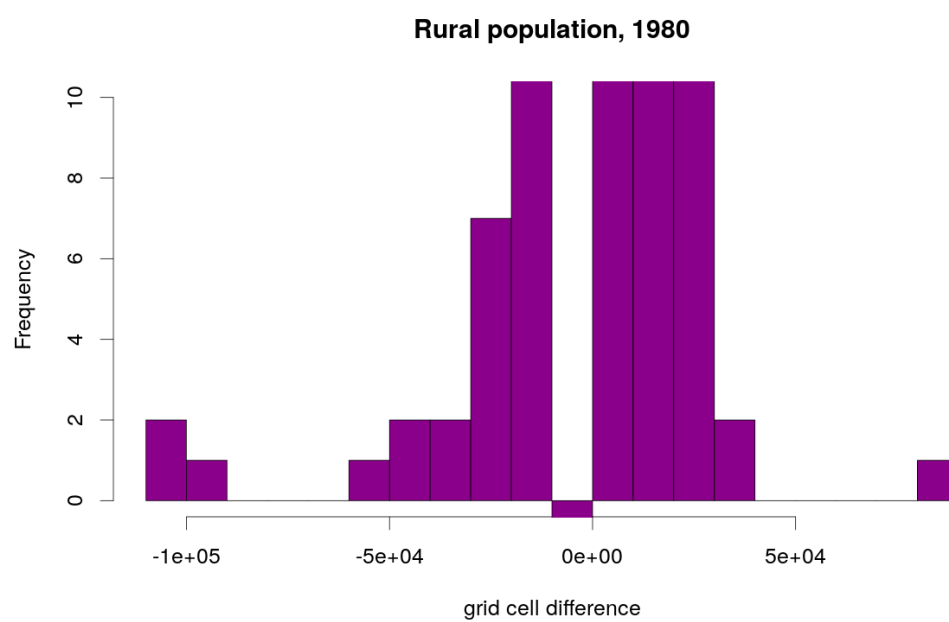
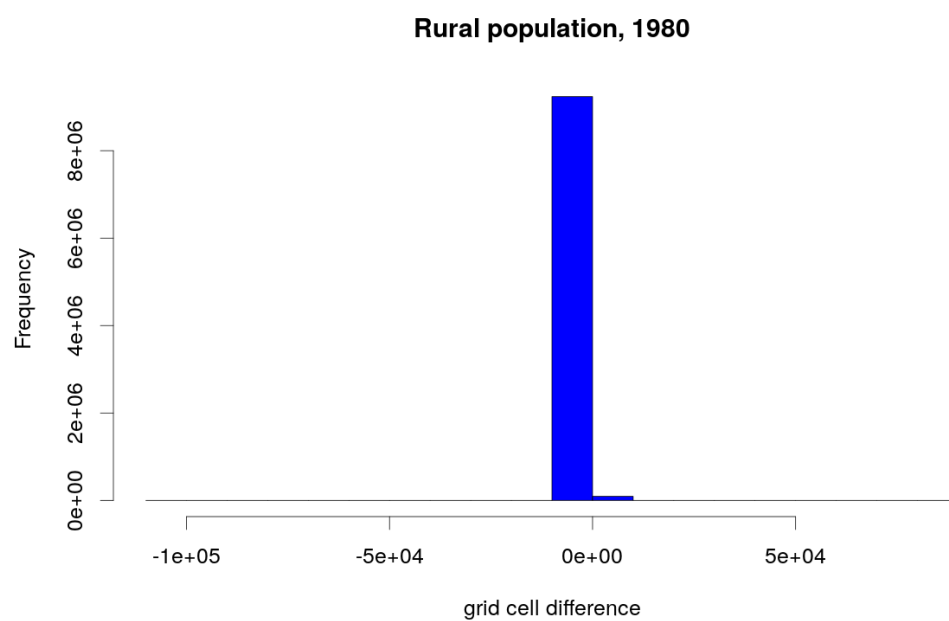
$$\begin{aligned} \sum_x p_x^{(v3,2,1)} &= 3.0173e+09 \\ \sum_x p_x^{(v3,3)} &= 3.01502e+09 \\ \sum_x \Delta_x &= -2.27589e+06 \\ \sum_x |\Delta_x| &= 2.27617e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3,2,1)} &= -0.00075428 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3,2,1)} &= 0.00754373 \\ \max_x \Delta_x &= 118222 \\ \min_x \Delta_x &= -121386 \end{aligned}$$



1980

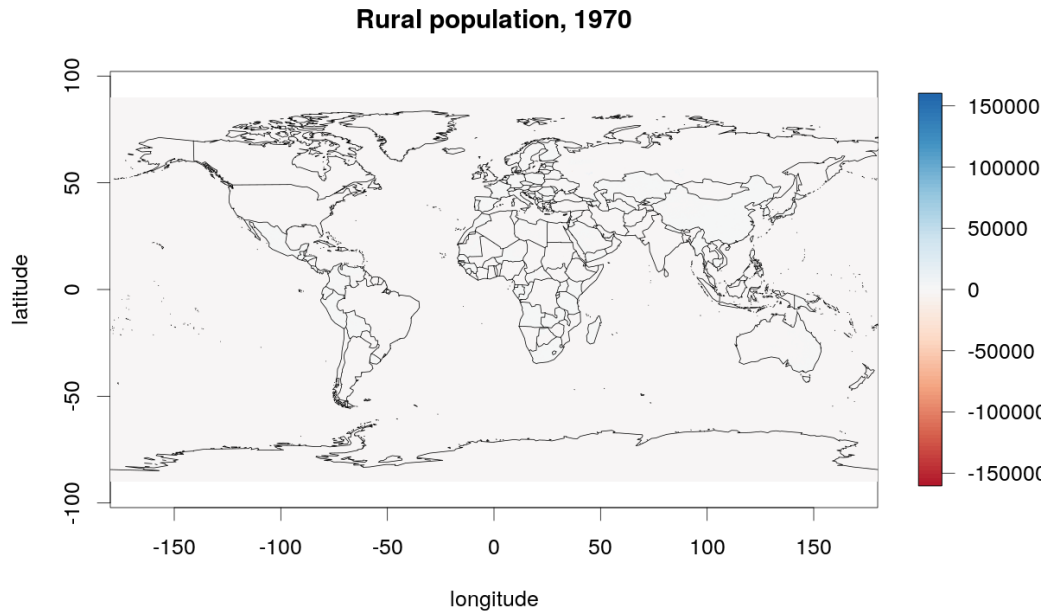


$$\begin{aligned}
 \sum_x p_x^{(v3,2,1)} &= 2.70368e+09 \\
 \sum_x p_x^{(v3,3)} &= 2.70073e+09 \\
 \sum_x \Delta_x &= -2.94992e+06 \\
 \sum_x |\Delta_x| &= 2.40498e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3,2,1)} &= -0.00109108 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3,2,1)} &= 0.00889521 \\
 \max_x \Delta_x &= 83178.2 \\
 \min_x \Delta_x &= -106510
 \end{aligned}$$

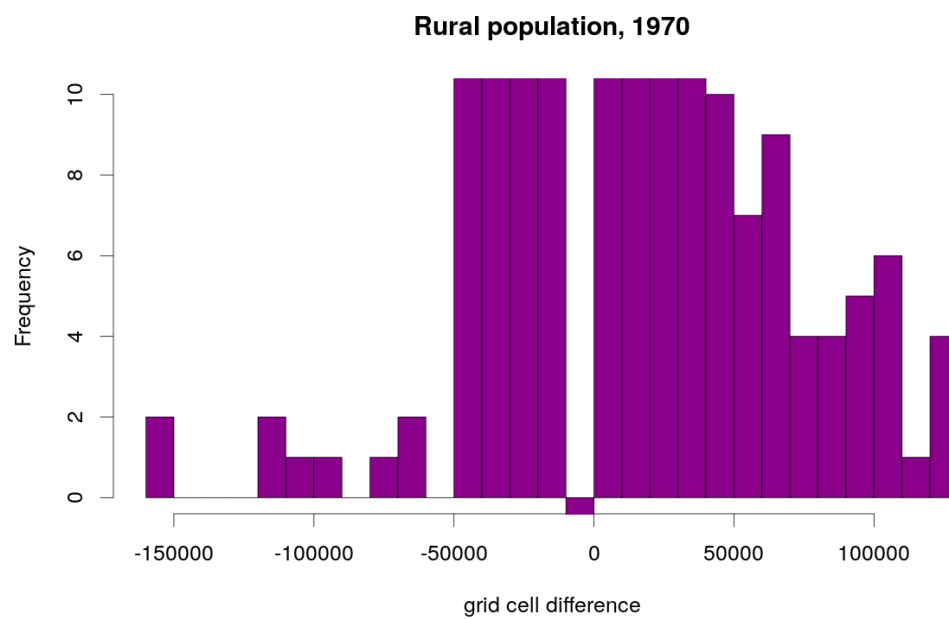
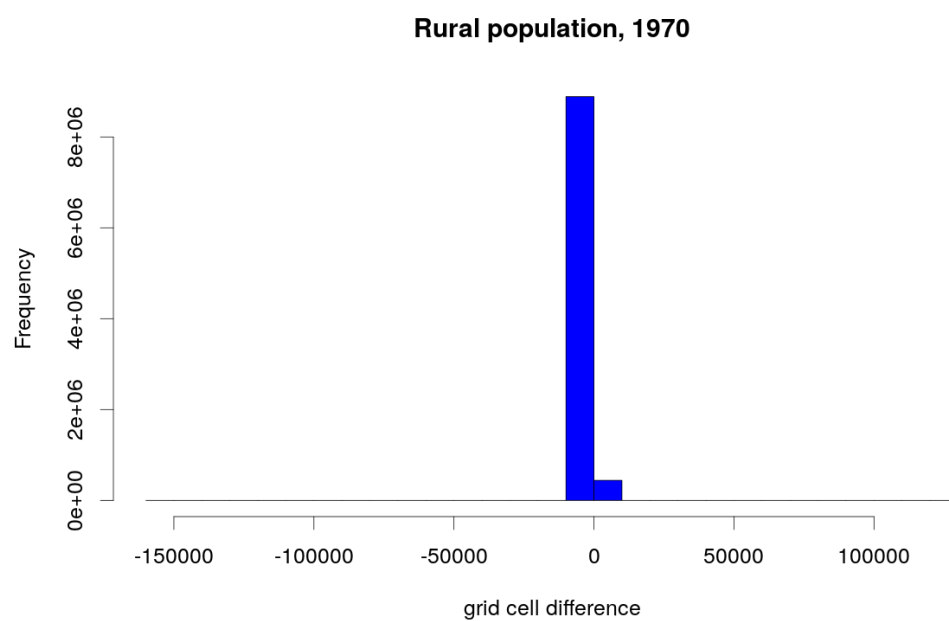


120

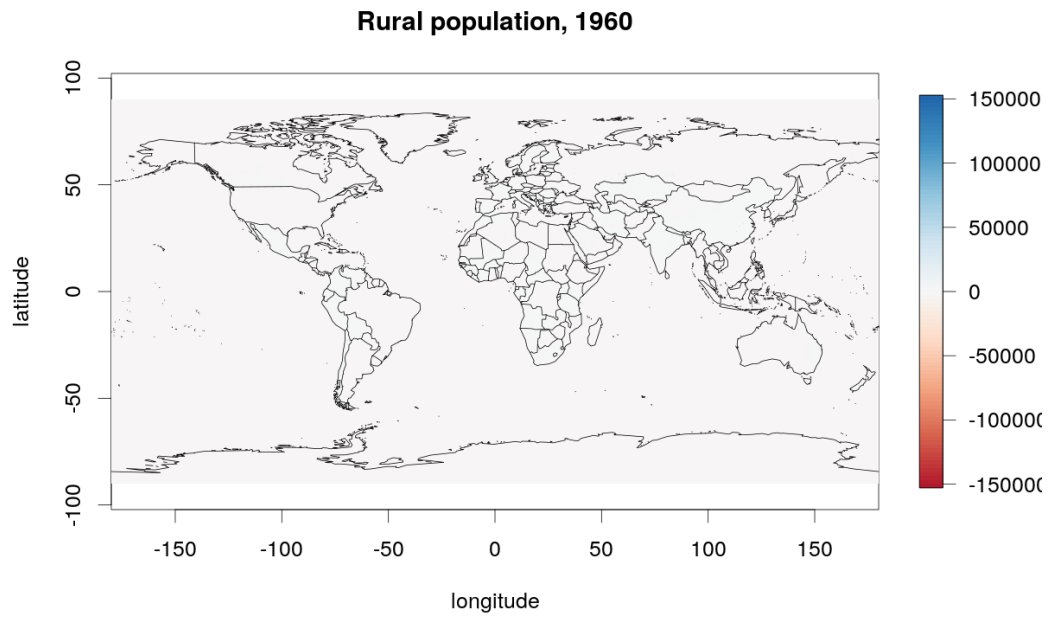
1970



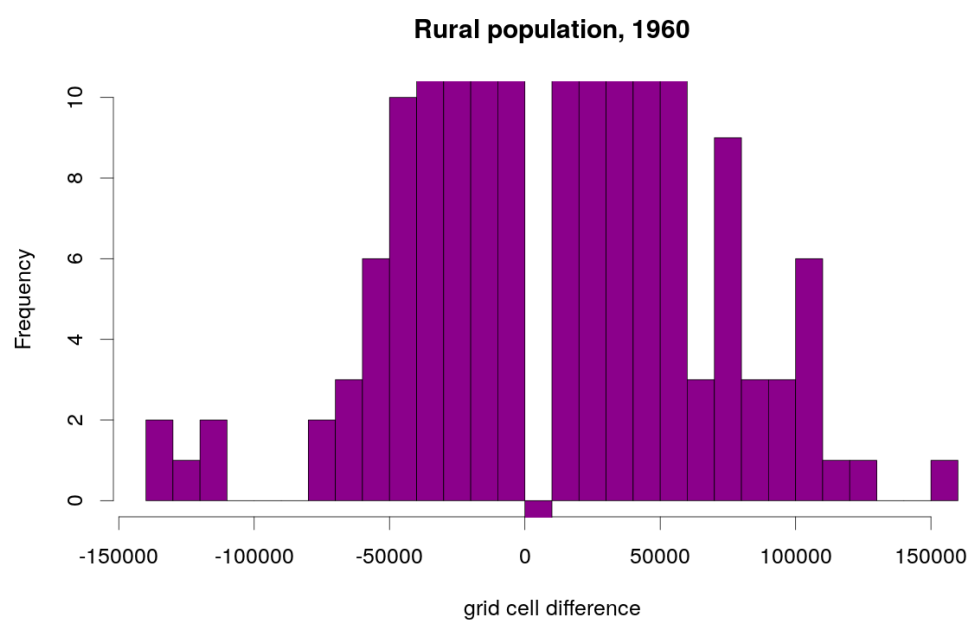
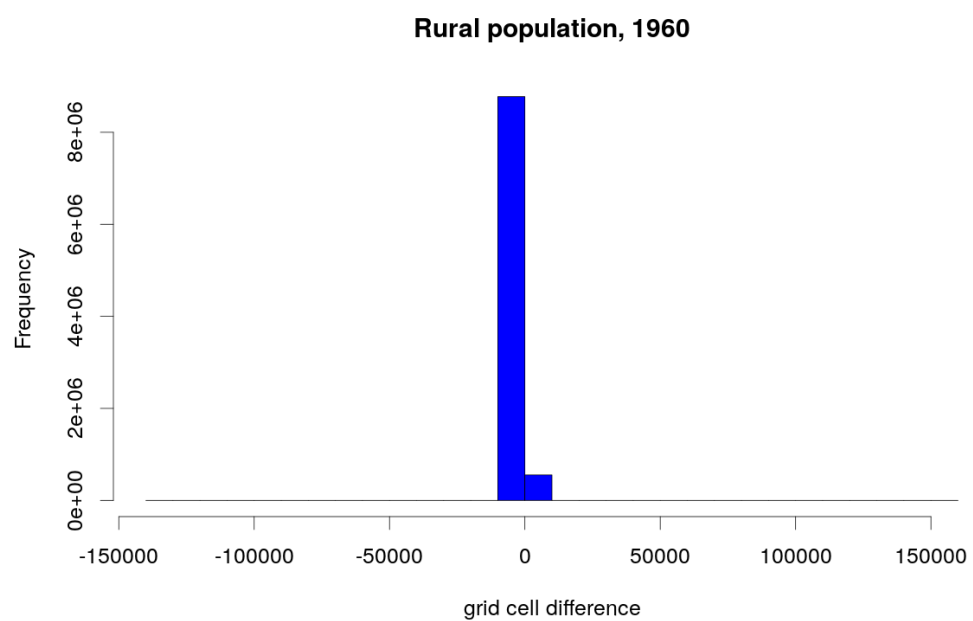
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 2.35998\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 2.35697\text{e}+09 \\ \sum_x \Delta_x &= -3.01218\text{e}+06 \\ \sum_x |\Delta_x| &= 7.69333\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00127636 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0325991 \\ \max_x \Delta_x &= 124962 \\ \min_x \Delta_x &= -158700\end{aligned}$$



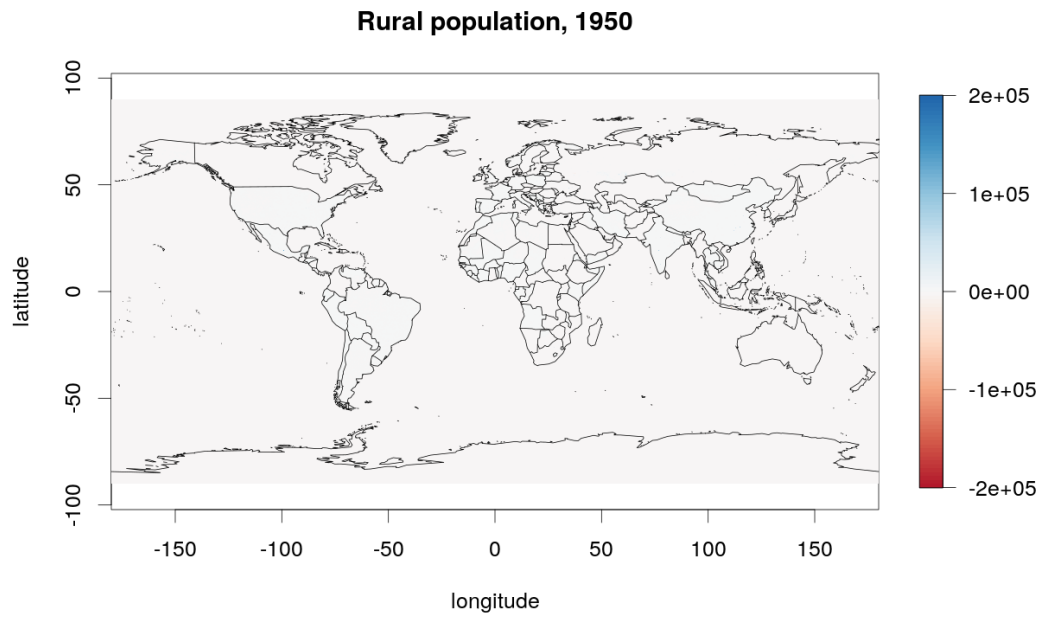
1960



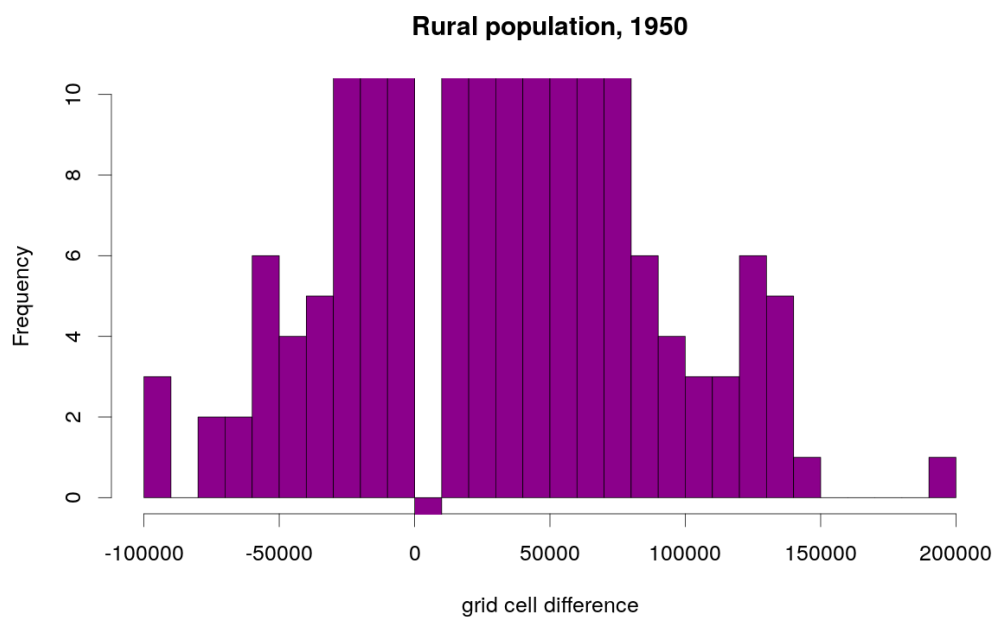
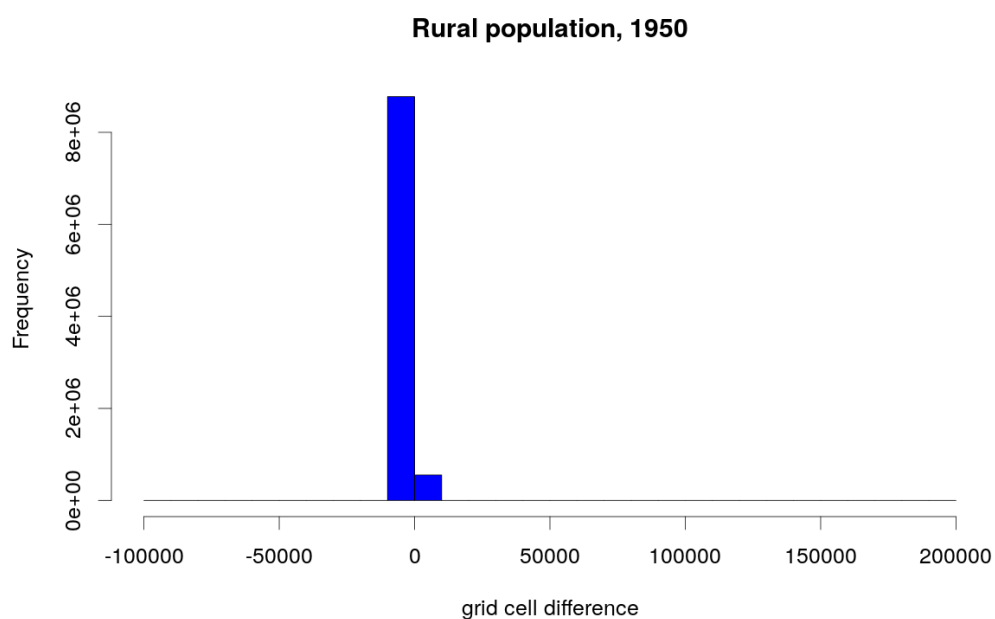
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 2.02518\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 2.03078\text{e}+09 \\ \sum_x \Delta_x &= 5.59922\text{e}+06 \\ \sum_x |\Delta_x| &= 9.4753\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0027648 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0467874 \\ \max_x \Delta_x &= 151357 \\ \min_x \Delta_x &= -133237 \end{aligned}$$



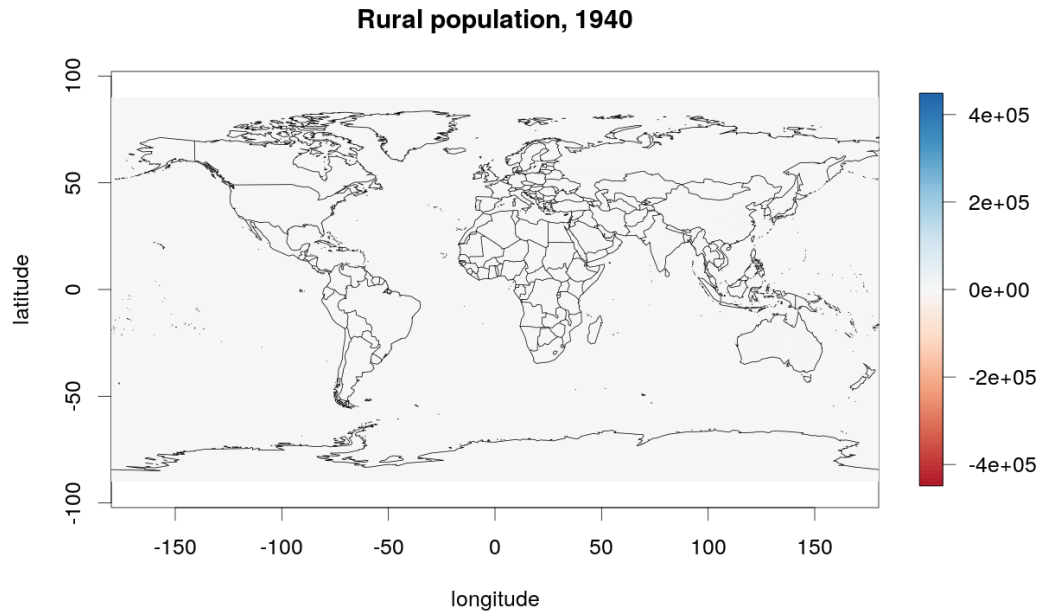
1950



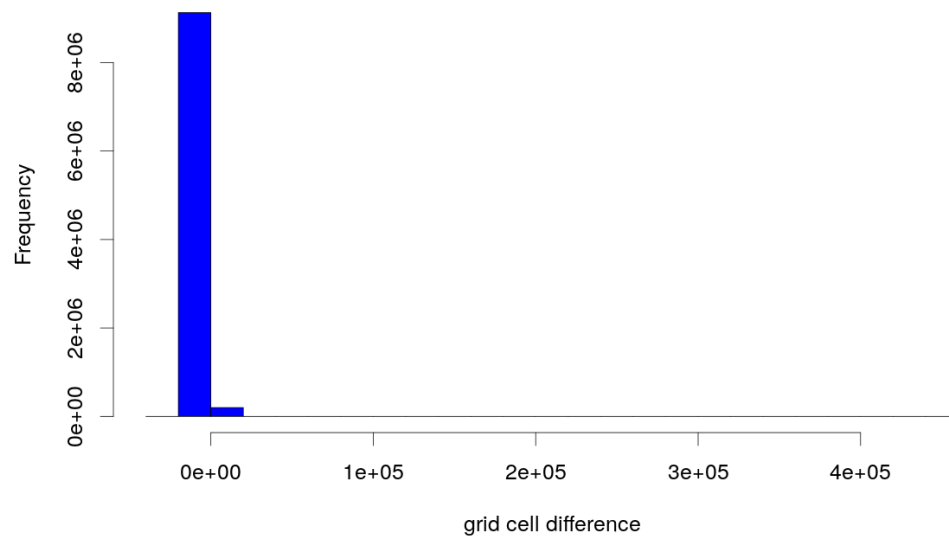
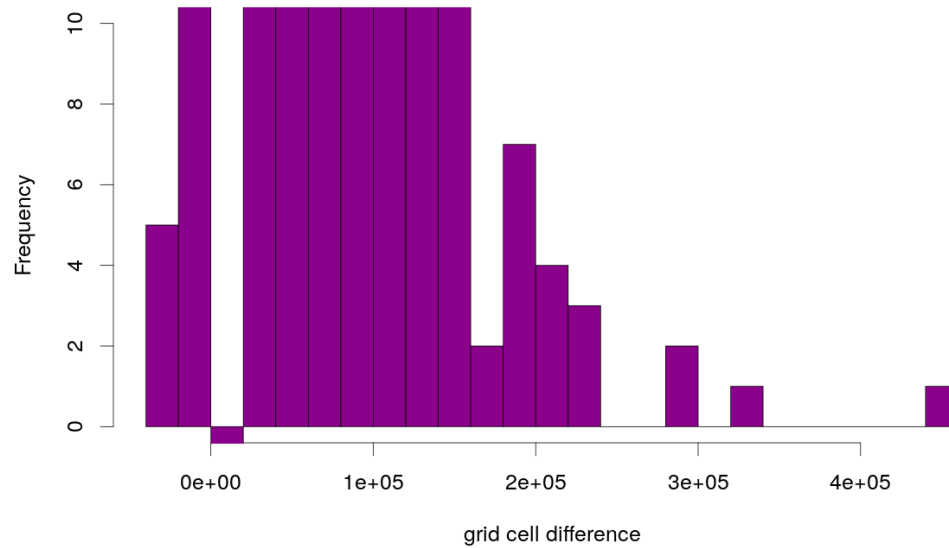
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.75099\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.7962\text{e}+09 \\ \sum_x \Delta_x &= 4.52104\text{e}+07 \\ \sum_x |\Delta_x| &= 1.24233\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0258199 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0709501 \\ \max_x \Delta_x &= 198170 \\ \min_x \Delta_x &= -97907.9 \end{aligned}$$



1940

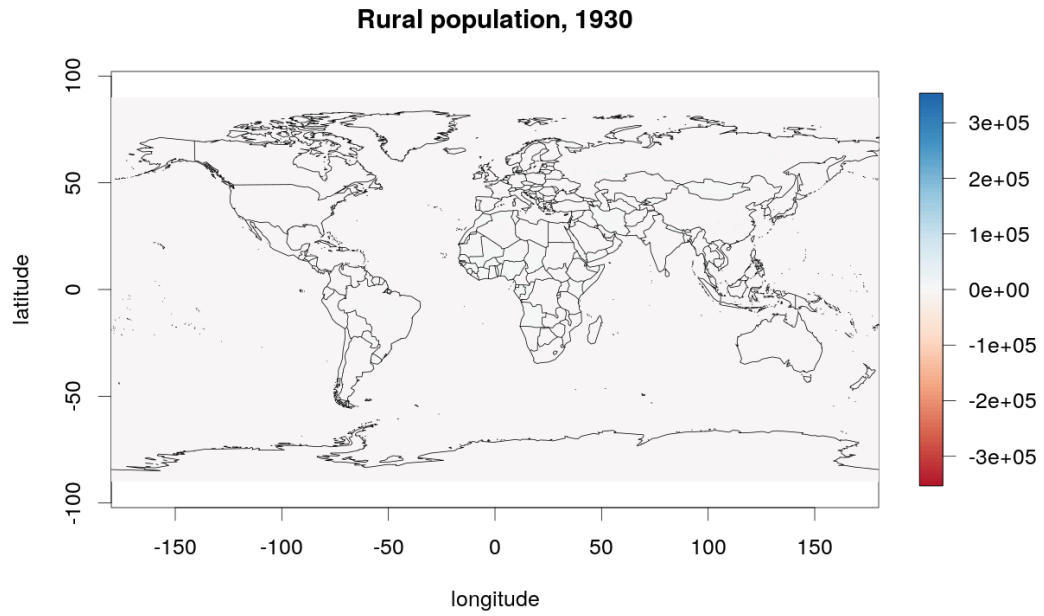


$$\begin{aligned} \sum_x p_x^{(v^{3.2.1})} &= 1.59206\text{e}+09 \\ \sum_x p_x^{(v^{3.3})} &= 1.74074\text{e}+09 \\ \sum_x \Delta_x &= 1.4868\text{e}+08 \\ \sum_x |\Delta_x| &= 1.6295\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.0933884 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.102352 \\ \max_x \Delta_x &= 444255 \\ \min_x \Delta_x &= -36927 \end{aligned}$$

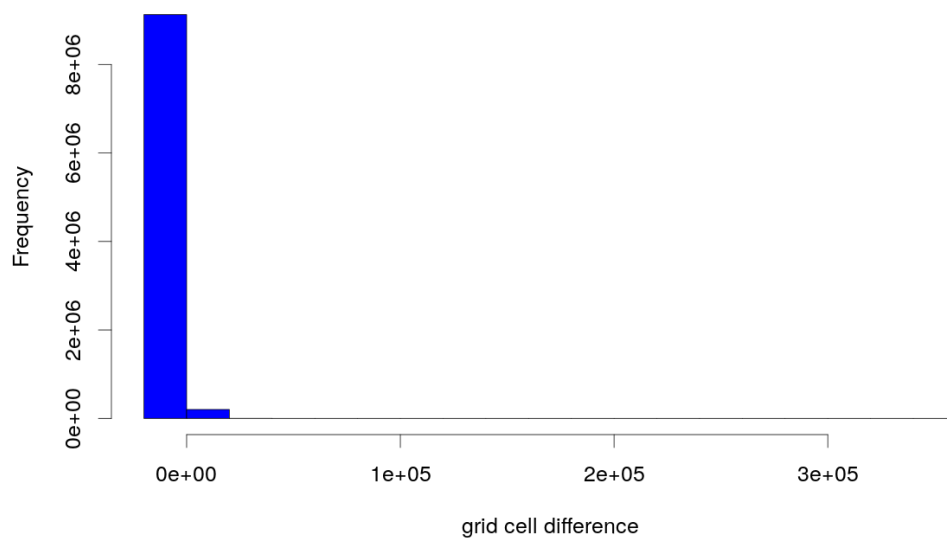
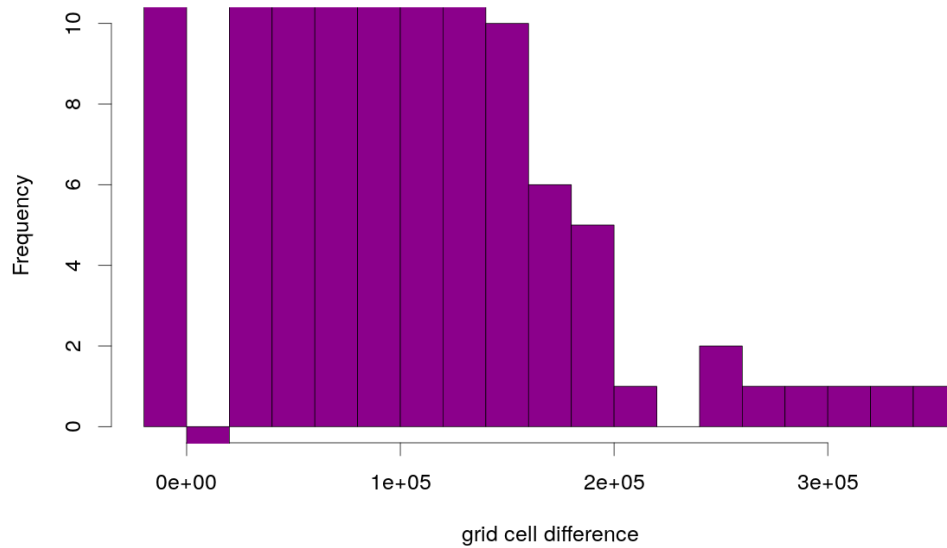
Rural population, 1940**Rural population, 1940**

128

1930

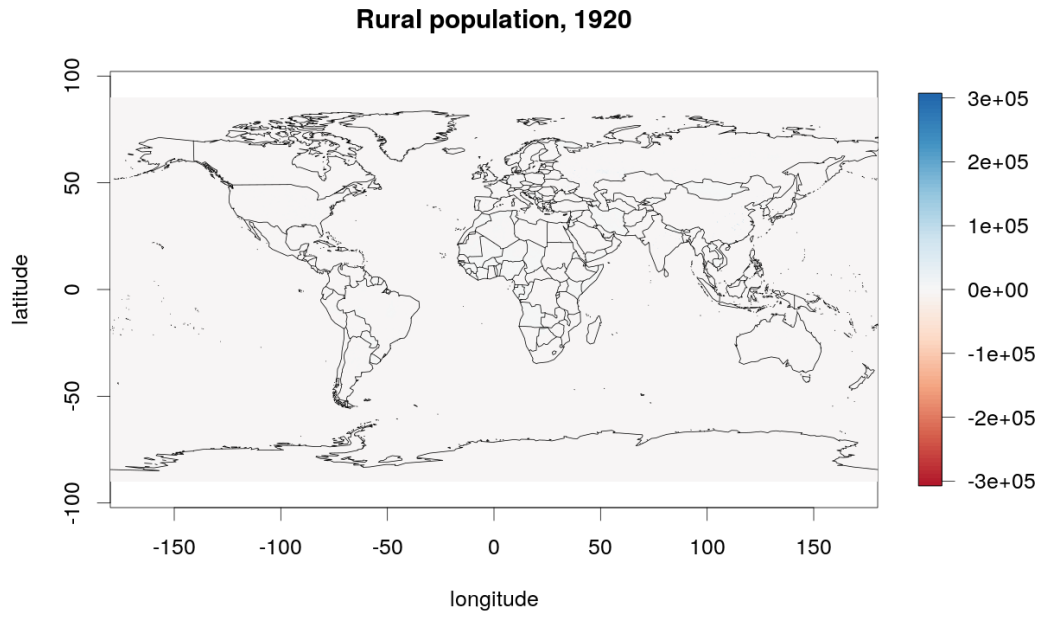


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.44751e+09 \\ \sum_x p_x^{(v3.3)} &= 1.62991e+09 \\ \sum_x \Delta_x &= 1.82405e+08 \\ \sum_x |\Delta_x| &= 1.91343e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.126013 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.132188 \\ \max_x \Delta_x &= 349560 \\ \min_x \Delta_x &= -17258.2 \end{aligned}$$

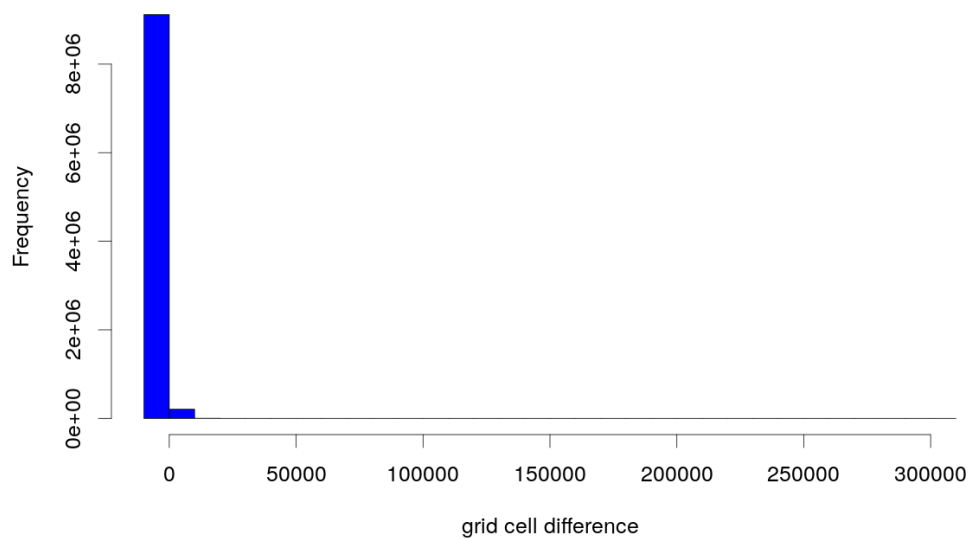
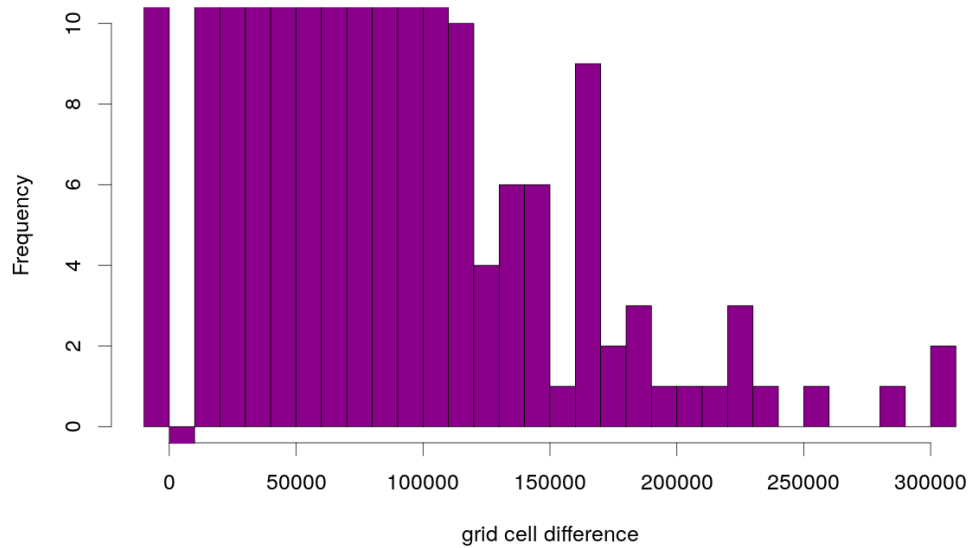
Rural population, 1930**Rural population, 1930**

130

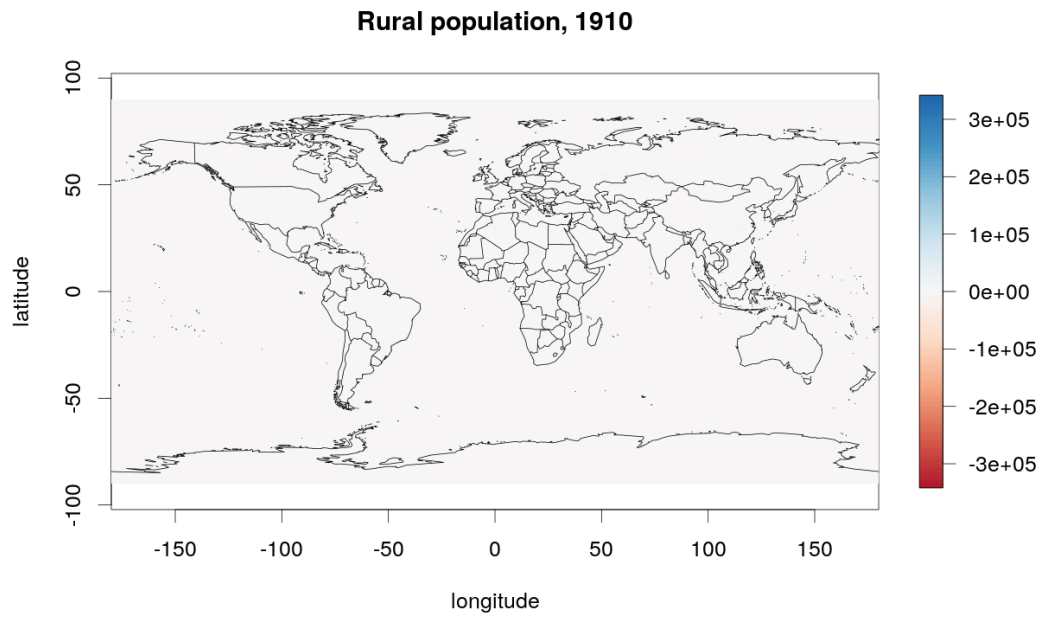
1920



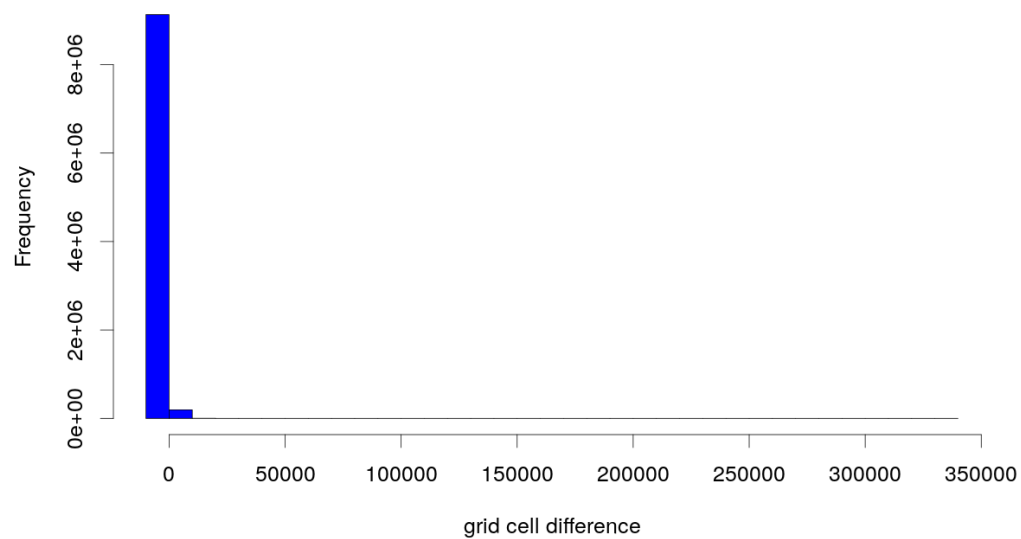
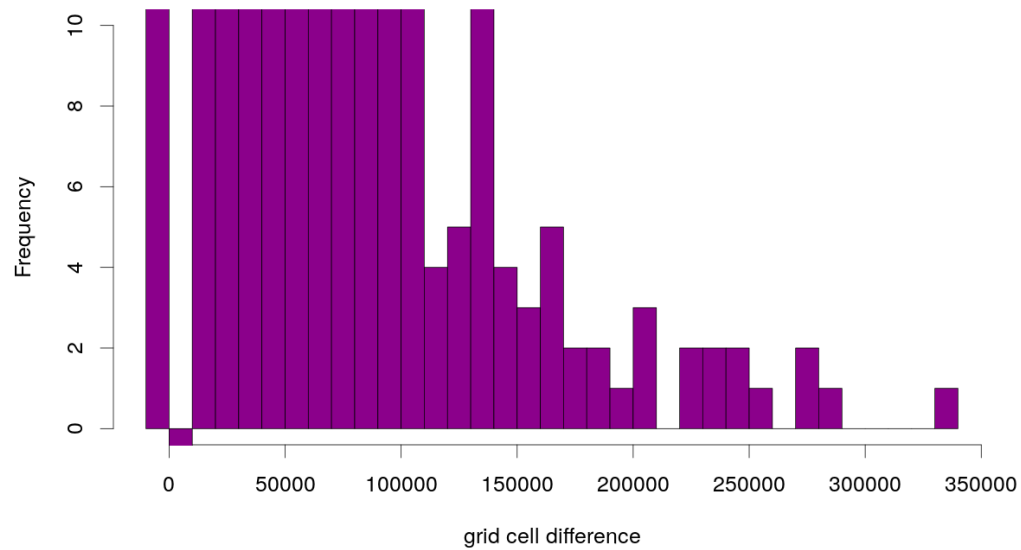
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.33634e+09 \\ \sum_x p_x^{(v3.3)} &= 1.54035e+09 \\ \sum_x \Delta_x &= 2.04014e+08 \\ \sum_x |\Delta_x| &= 2.07984e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.152666 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.155637 \\ \max_x \Delta_x &= 304320 \\ \min_x \Delta_x &= -6854.48 \end{aligned}$$

Rural population, 1920**Rural population, 1920**

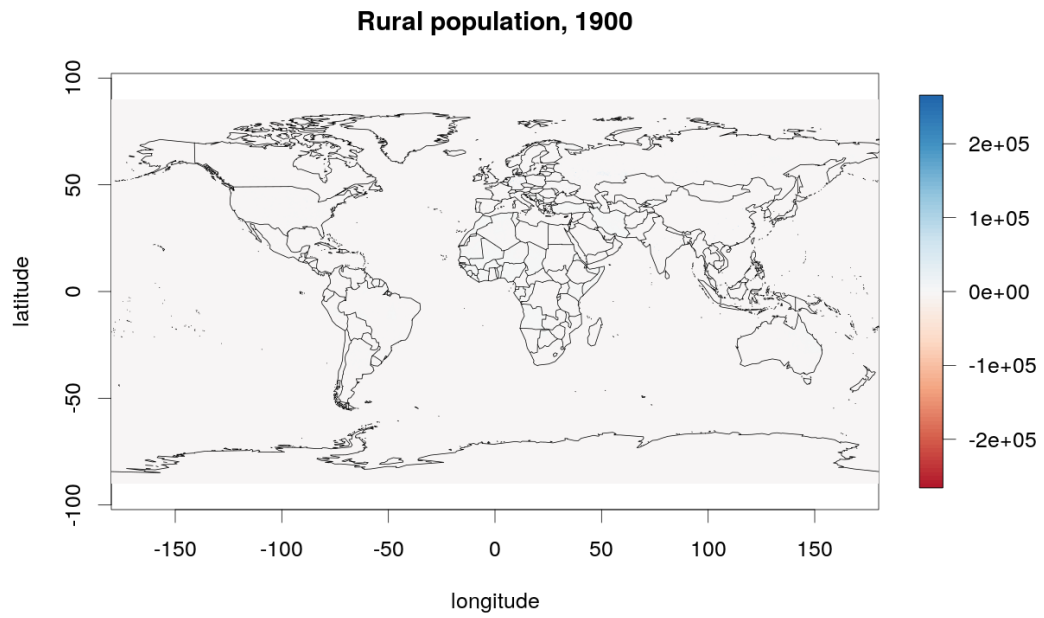
1910



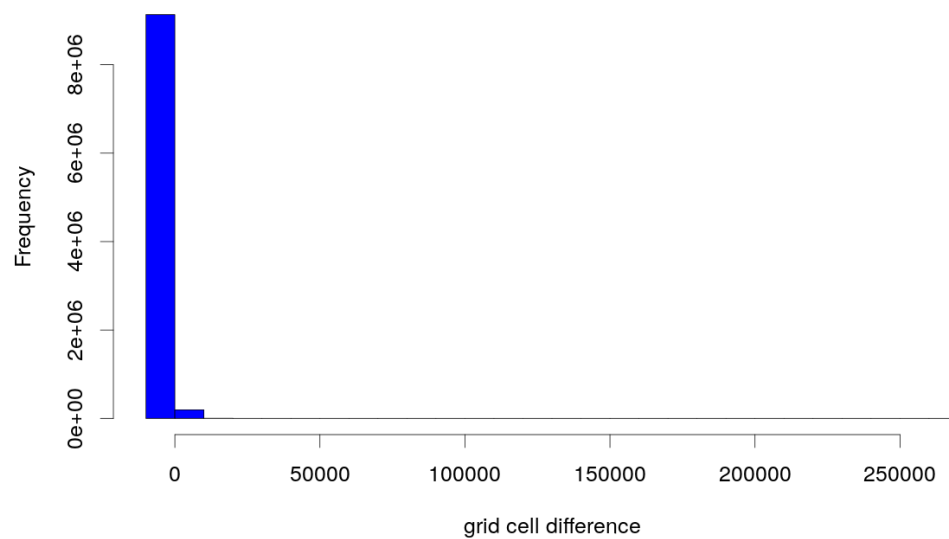
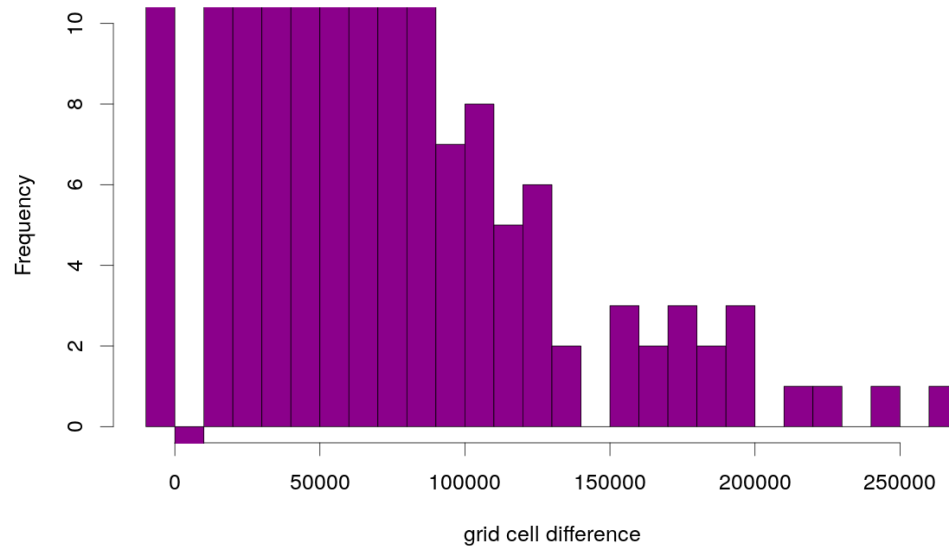
$$\begin{aligned}
 \sum_x p_x^{(v^{3.2.1})} &= 1.2477\text{e}+09 \\
 \sum_x p_x^{(v^{3.3})} &= 1.47335\text{e}+09 \\
 \sum_x \Delta_x &= 2.25652\text{e}+08 \\
 \sum_x |\Delta_x| &= 2.2804\text{e}+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.180854 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.182768 \\
 \max_x \Delta_x &= 338401 \\
 \min_x \Delta_x &= -6817.06
 \end{aligned}$$

Rural population, 1910**Rural population, 1910**

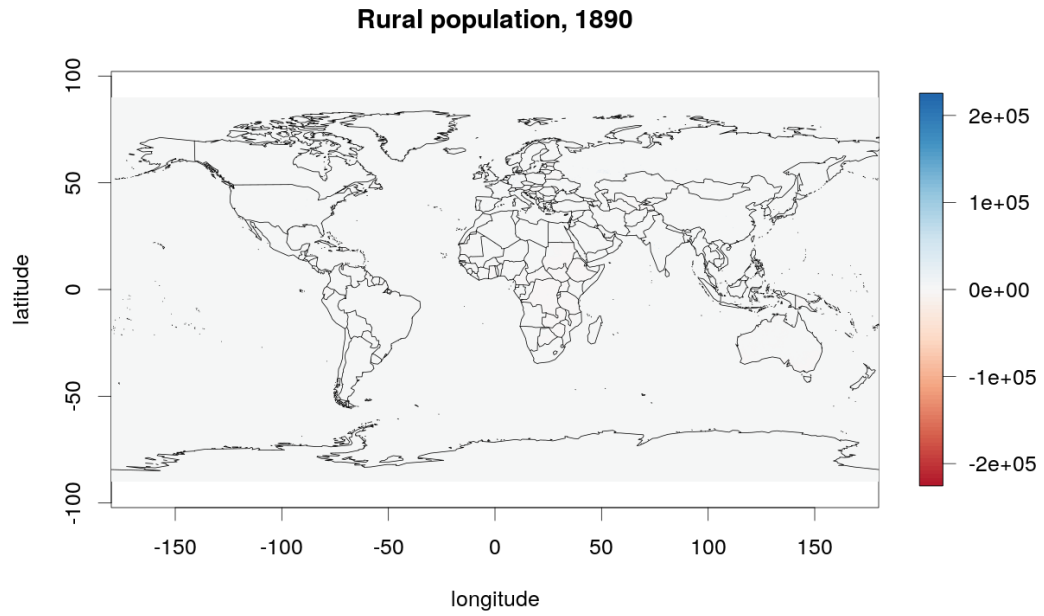
1900



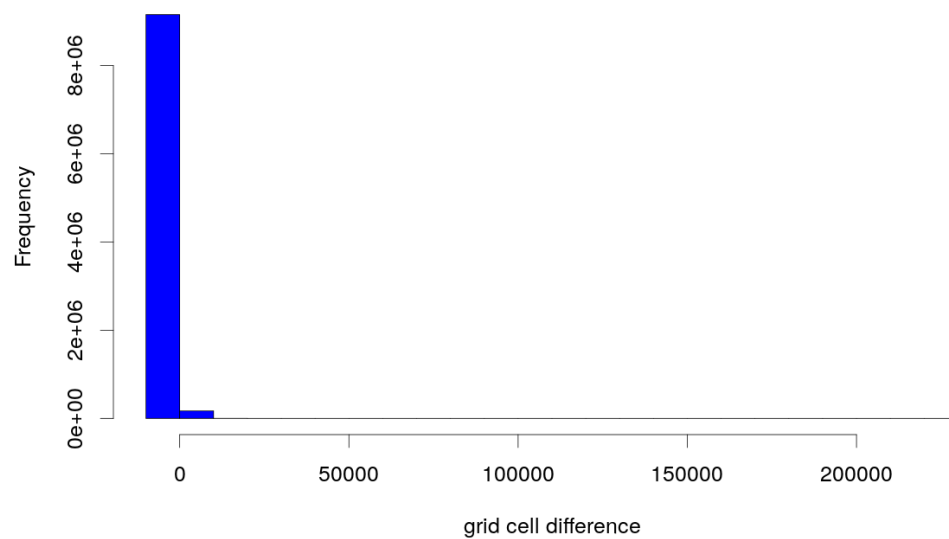
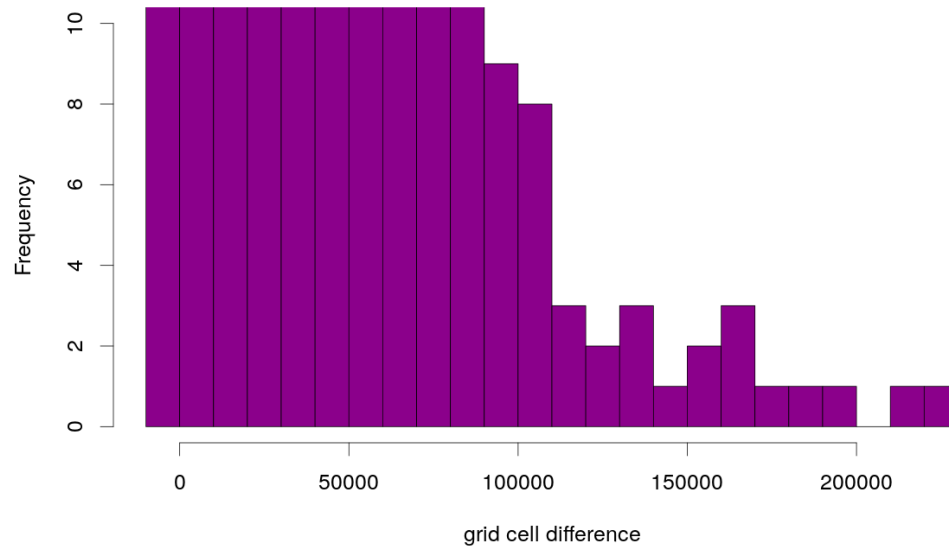
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 1.24509\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 1.39923\text{e}+09 \\
 \sum_x \Delta_x &= 1.54144\text{e}+08 \\
 \sum_x |\Delta_x| &= 1.56433\text{e}+08 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.123801 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.12564 \\
 \max_x \Delta_x &= 263034 \\
 \min_x \Delta_x &= -6687.17
 \end{aligned}$$

Rural population, 1900**Rural population, 1900**

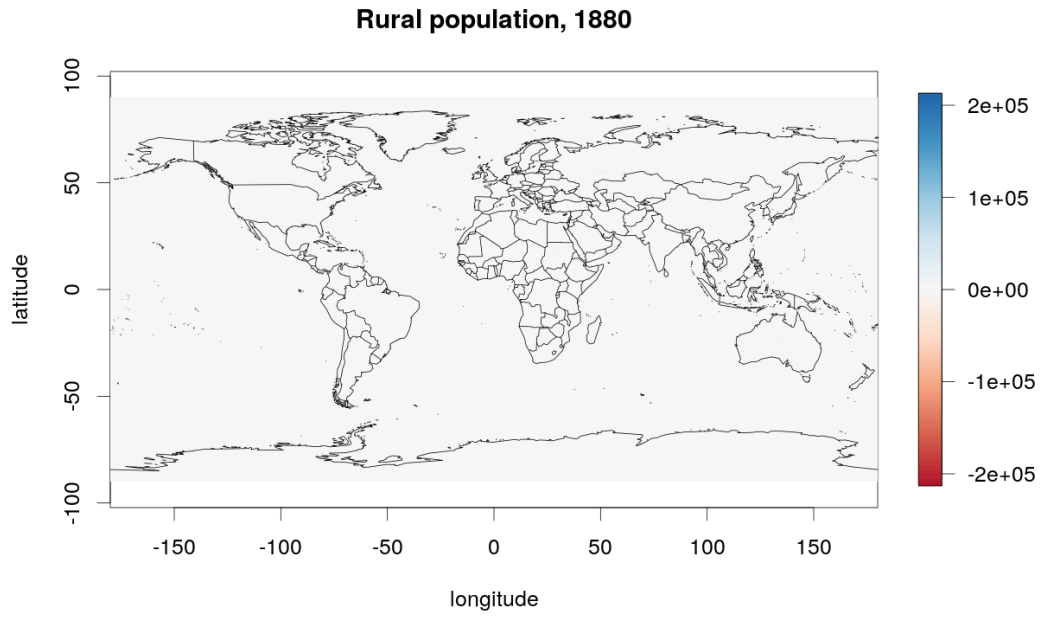
1890



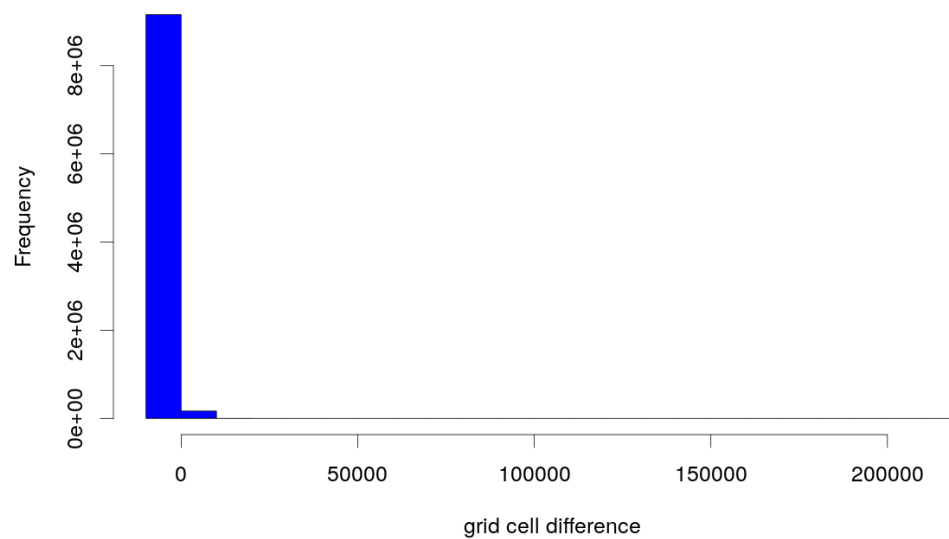
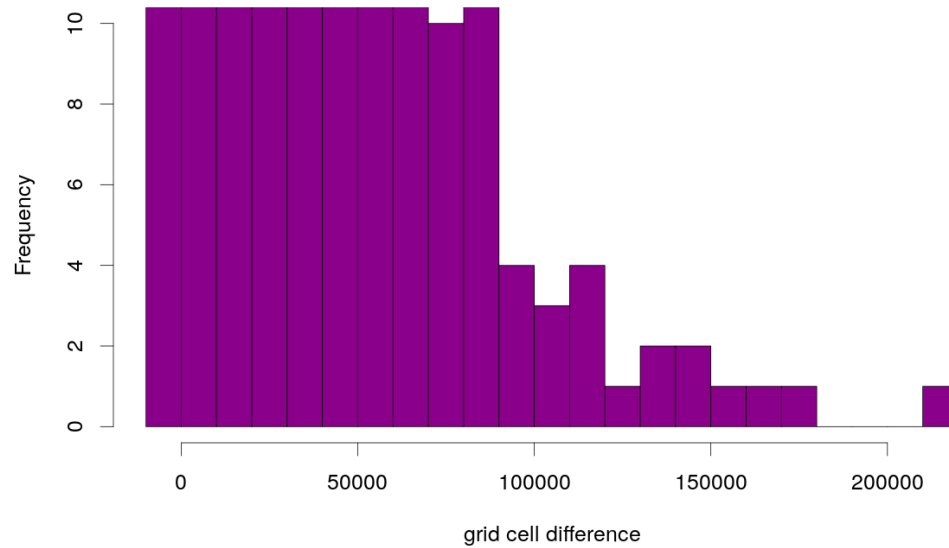
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.20066\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.32837\text{e}+09 \\ \sum_x \Delta_x &= 1.27706\text{e}+08 \\ \sum_x |\Delta_x| &= 1.29905\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.106363 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.108195 \\ \max_x \Delta_x &= 223249 \\ \min_x \Delta_x &= -6553.39 \end{aligned}$$

Rural population, 1890**Rural population, 1890**

1880

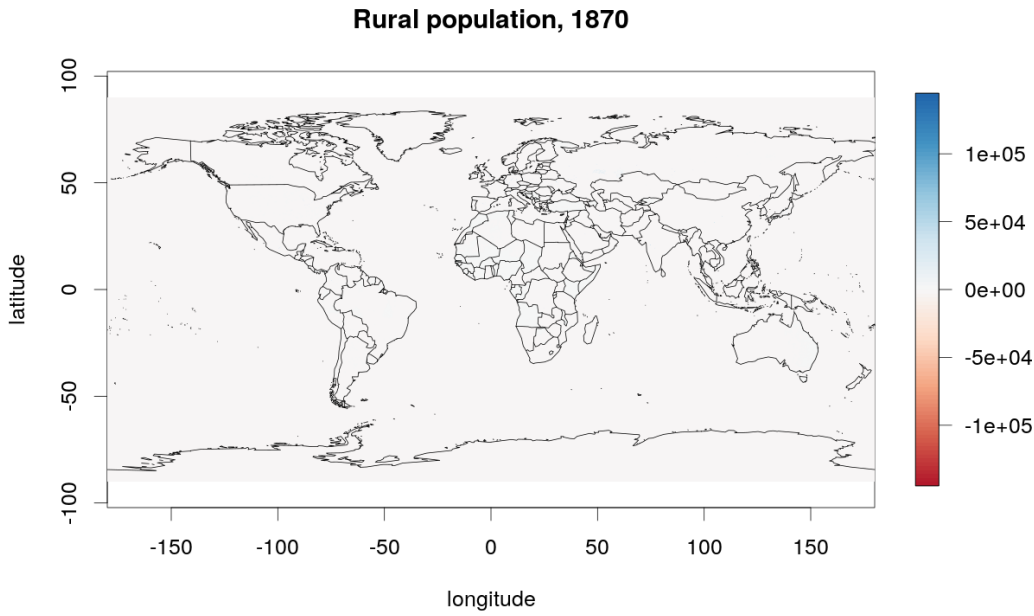


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.14169\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.24588\text{e}+09 \\ \sum_x \Delta_x &= 1.04186\text{e}+08 \\ \sum_x |\Delta_x| &= 1.06302\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0912559 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0931093 \\ \max_x \Delta_x &= 210850 \\ \min_x \Delta_x &= -6416.15 \end{aligned}$$

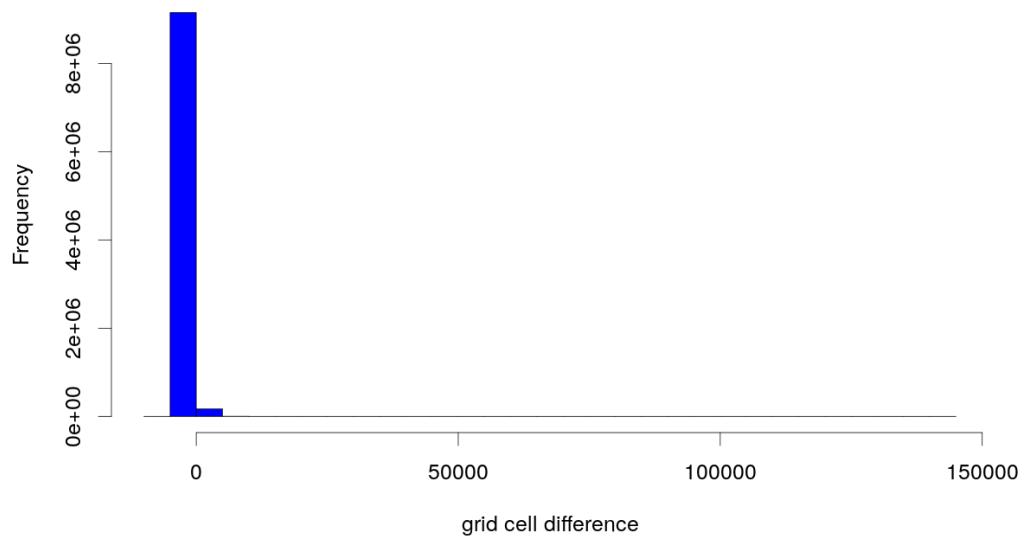
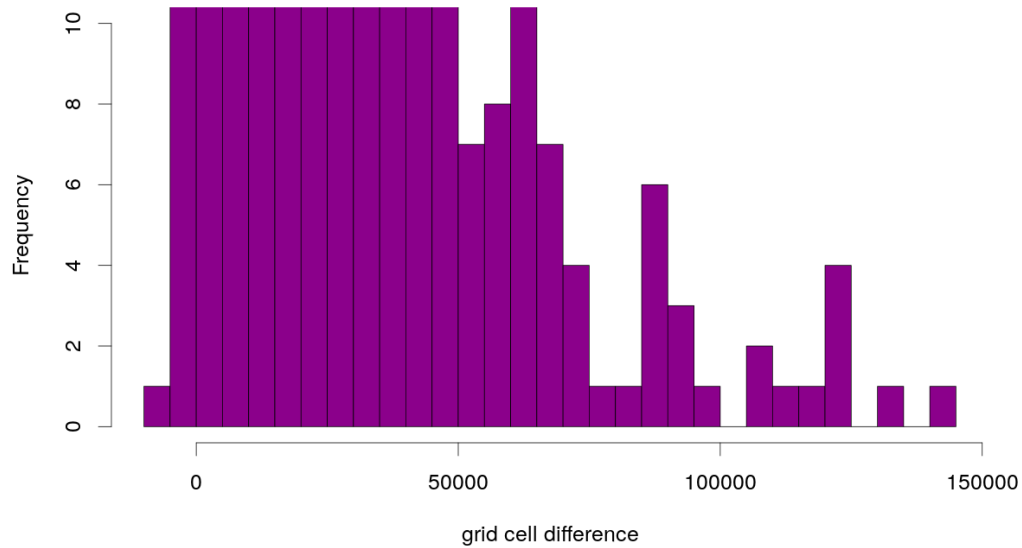
Rural population, 1880**Rural population, 1880**

140

1870

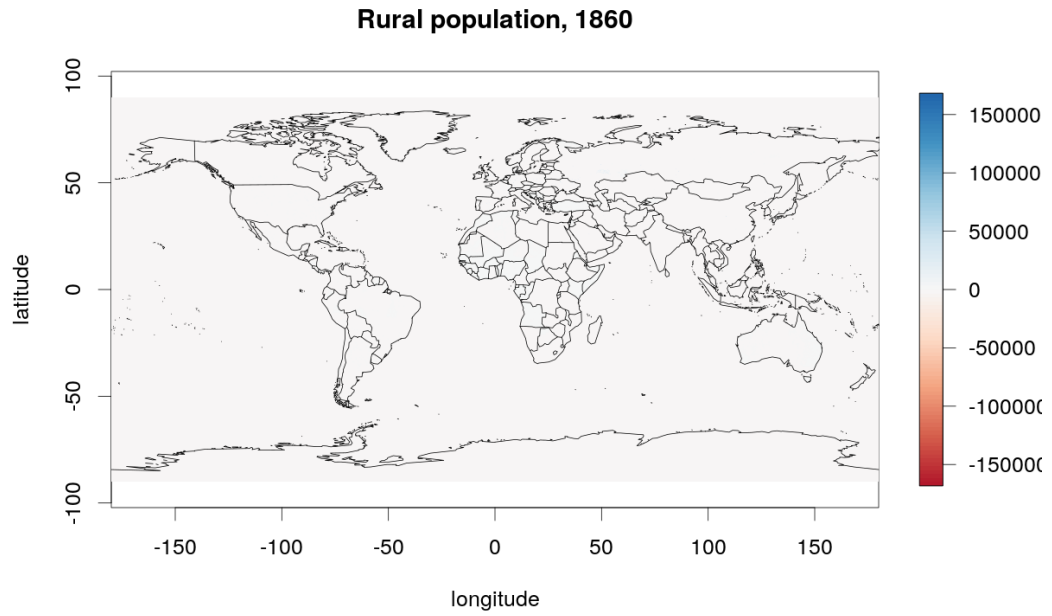


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 1.10793\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.19062\text{e}+09 \\ \sum_x \Delta_x &= 8.269\text{e}+07 \\ \sum_x |\Delta_x| &= 8.47218\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0746347 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0764685 \\ \max_x \Delta_x &= 143151 \\ \min_x \Delta_x &= -6275.83\end{aligned}$$

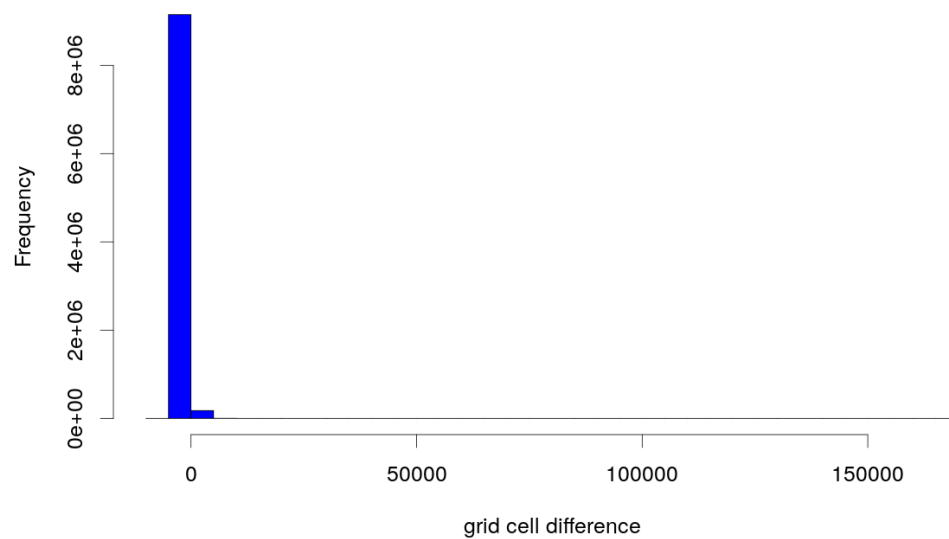
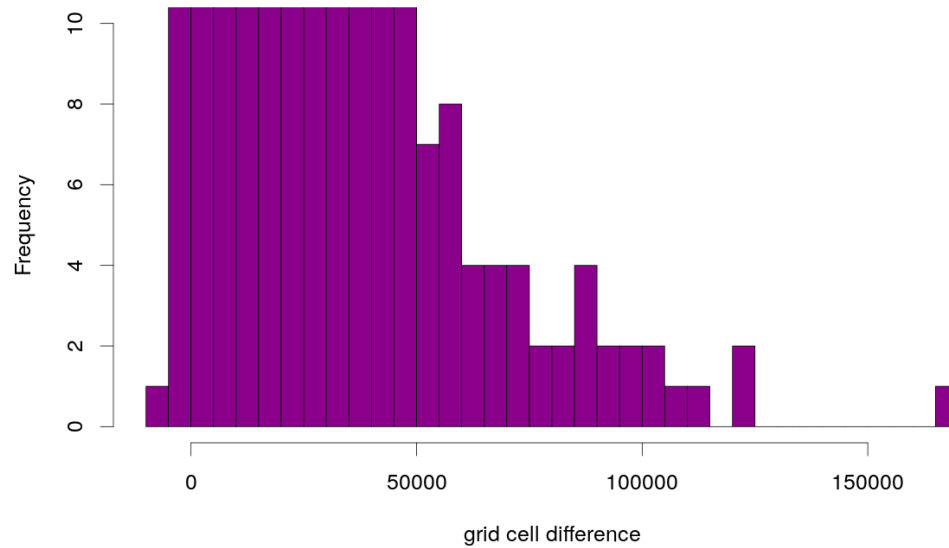
Rural population, 1870**Rural population, 1870**

142

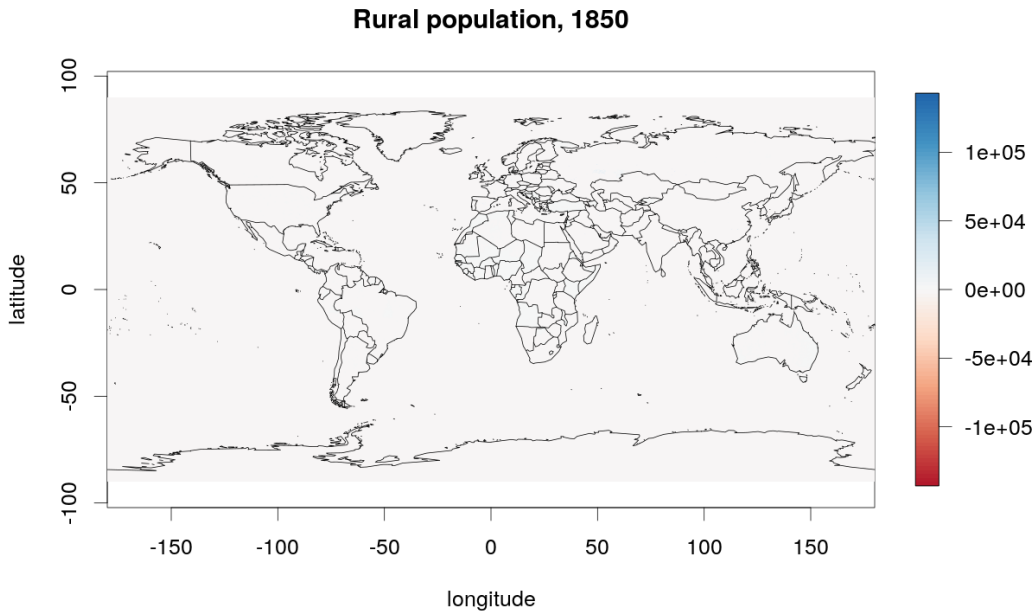
1860



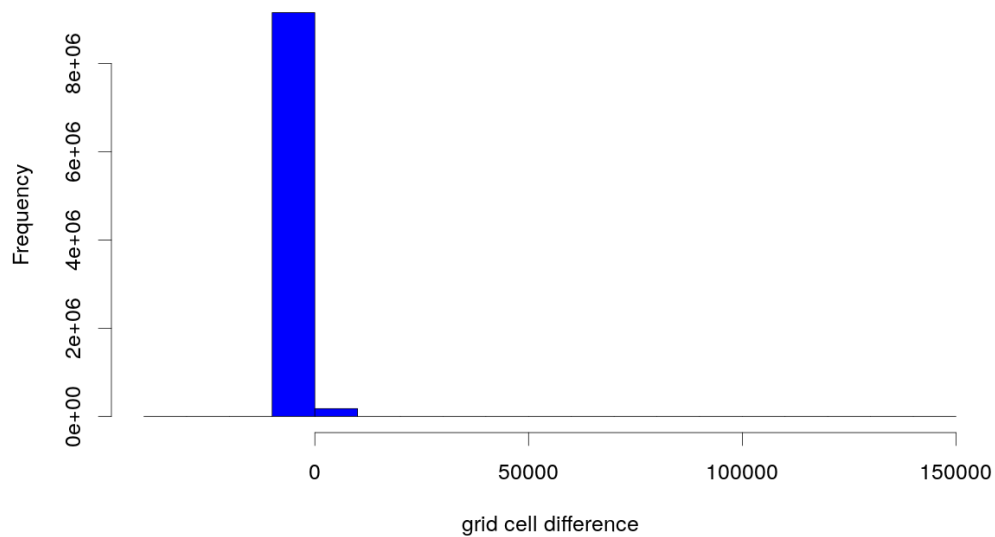
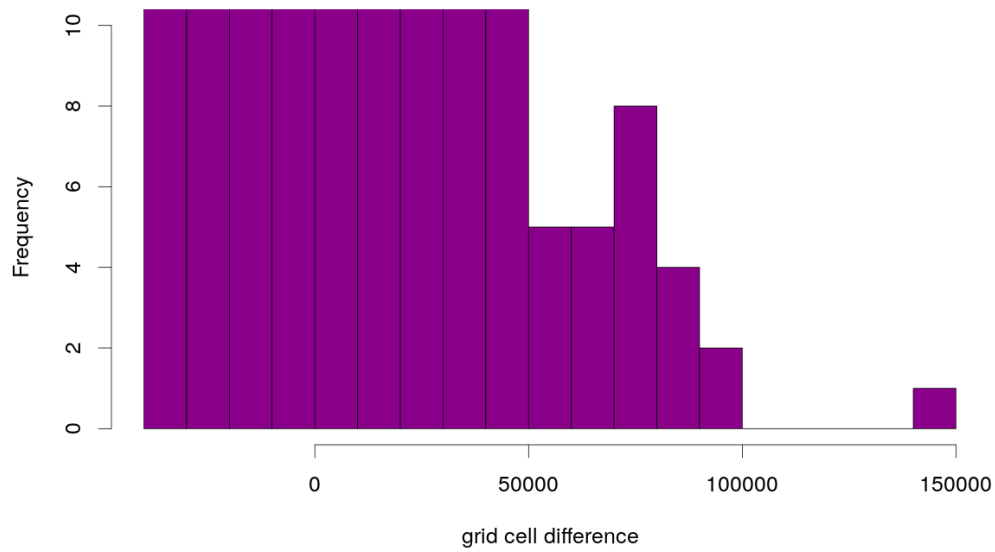
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 1.13346\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.20278\text{e}+09 \\ \sum_x \Delta_x &= 6.93212\text{e}+07 \\ \sum_x |\Delta_x| &= 7.12739\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0611589 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0628817 \\ \max_x \Delta_x &= 166572 \\ \min_x \Delta_x &= -6132.81\end{aligned}$$

Rural population, 1860**Rural population, 1860**

1850

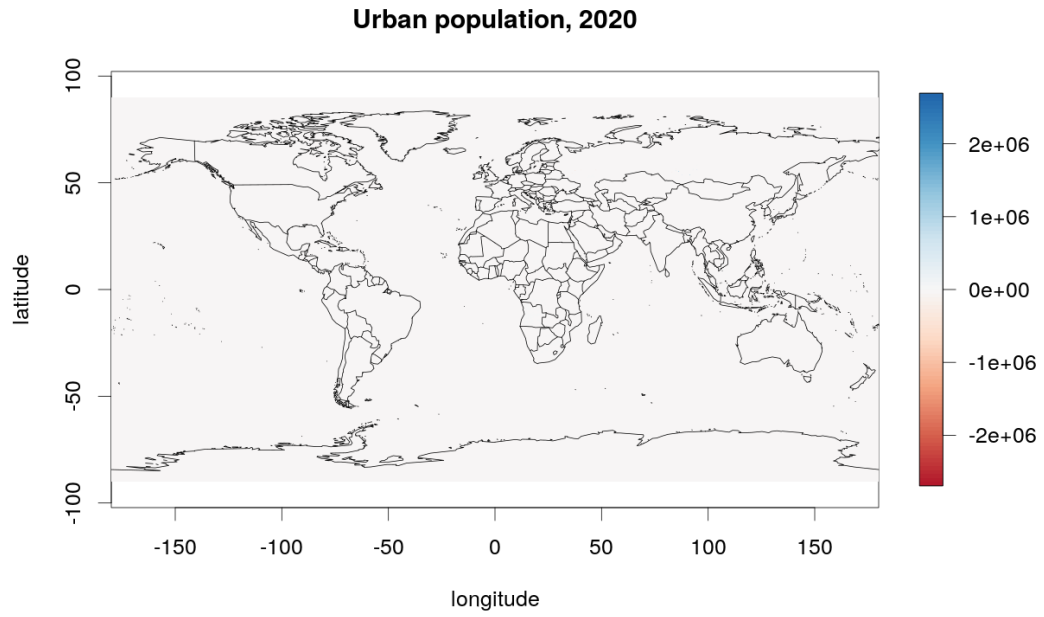


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 1.10866\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.15713\text{e}+09 \\ \sum_x \Delta_x &= 4.84683\text{e}+07 \\ \sum_x |\Delta_x| &= 5.49783\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0437179 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0495899 \\ \max_x \Delta_x &= 141584 \\ \min_x \Delta_x &= -38947.8\end{aligned}$$

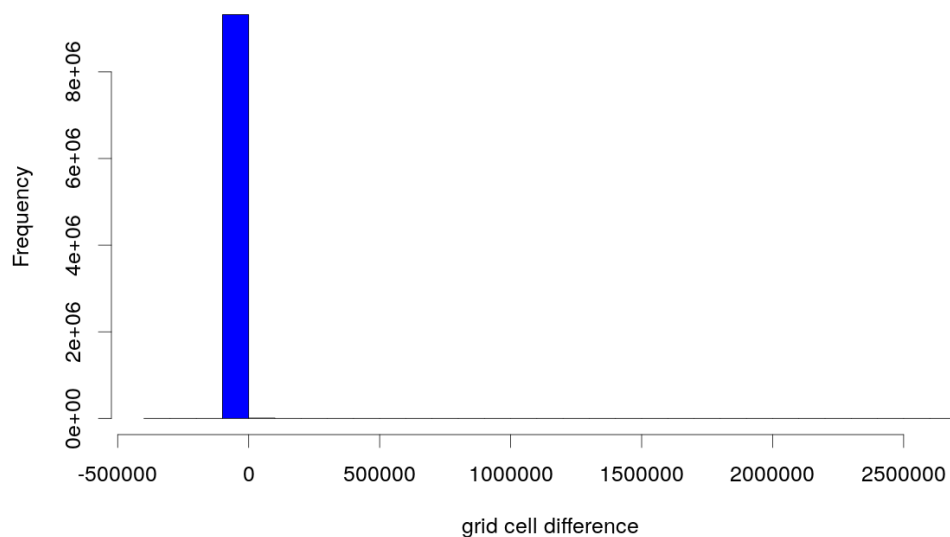
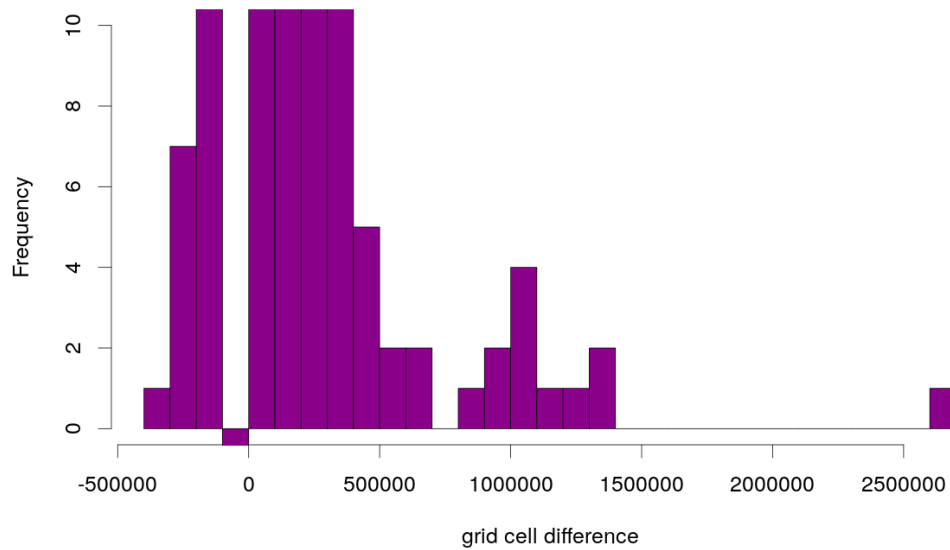
Rural population, 1850**Rural population, 1850**

4 Urban population

2020

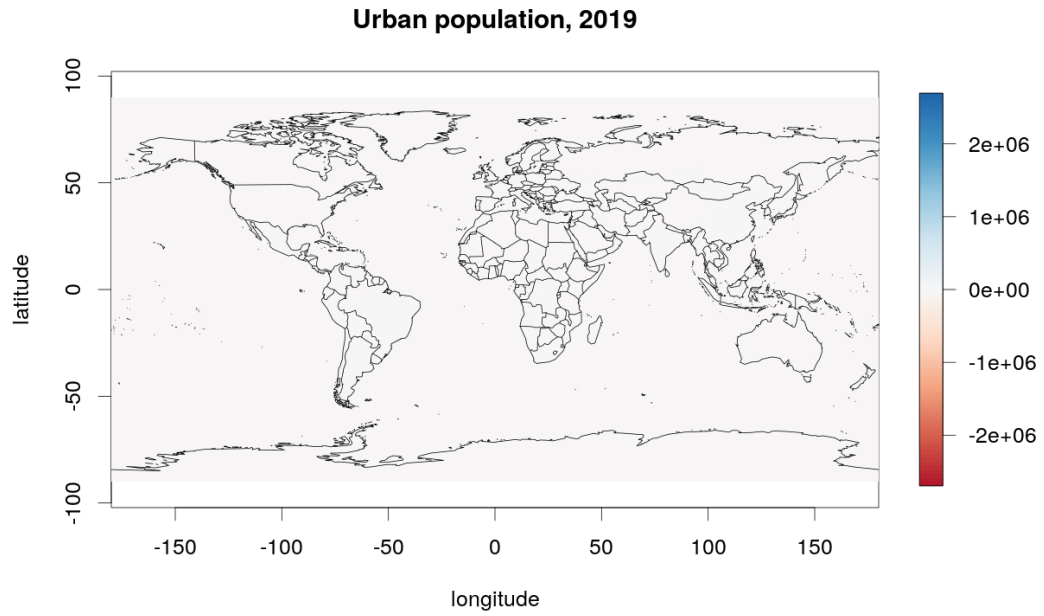


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 4.22546\text{e}+09 \\
 \sum_x p_x^{(v3.3)} &= 4.23487\text{e}+09 \\
 \sum_x \Delta_x &= 9.40816\text{e}+06 \\
 \sum_x |\Delta_x| &= 8.6161\text{e}+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00222654 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0203909 \\
 \max_x \Delta_x &= 2.66658\text{e}+06 \\
 \min_x \Delta_x &= -317322
 \end{aligned}$$

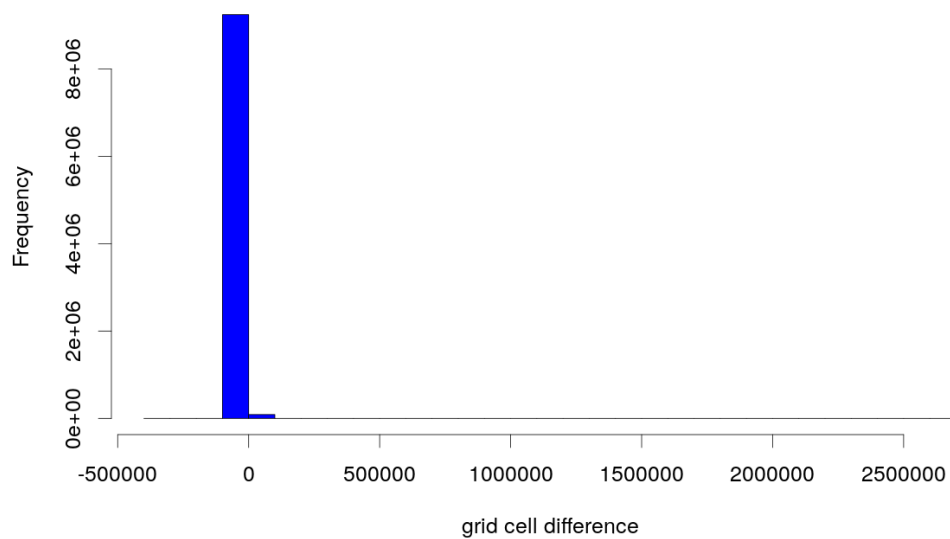
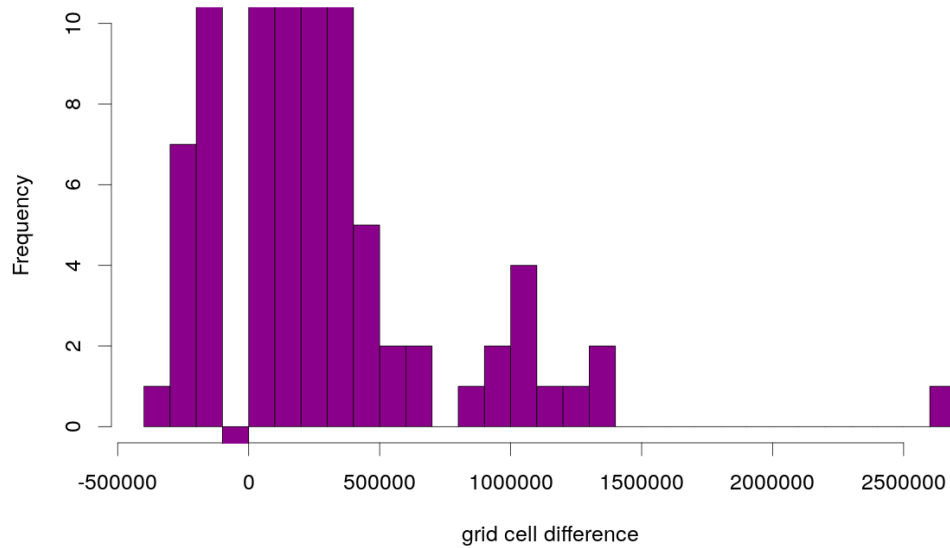
Urban population, 2020**Urban population, 2020**

148

2019

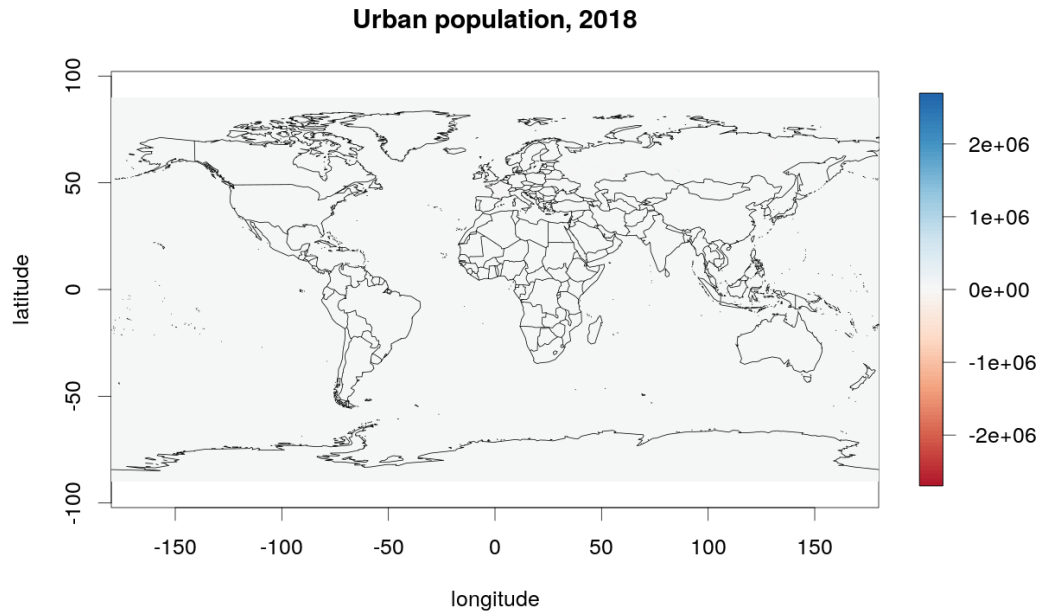


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 4.14932e+09 \\ \sum_x p_x^{(v3.3)} &= 4.15778e+09 \\ \sum_x \Delta_x &= 8.46041e+06 \\ \sum_x |\Delta_x| &= 9.51999e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00203899 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0229435 \\ \max_x \Delta_x &= 2.66844e+06 \\ \min_x \Delta_x &= -317543\end{aligned}$$

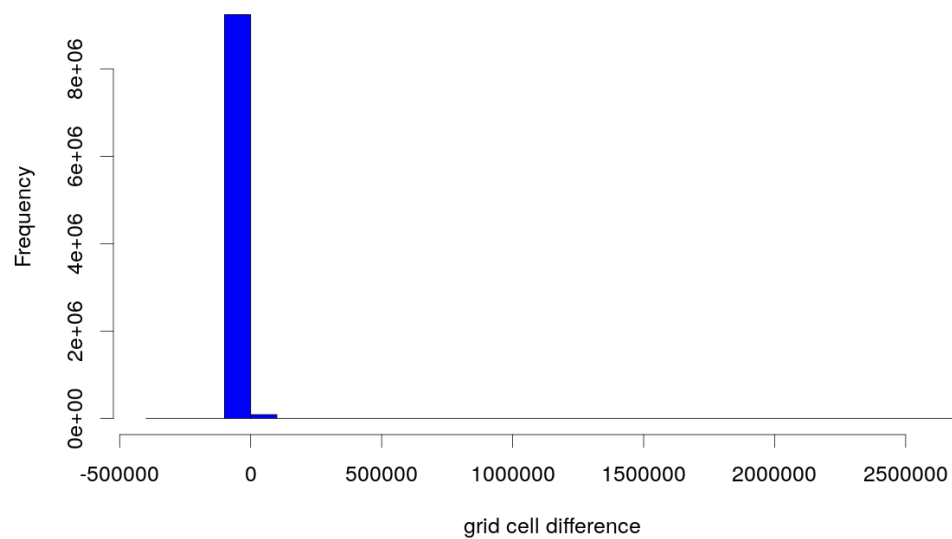
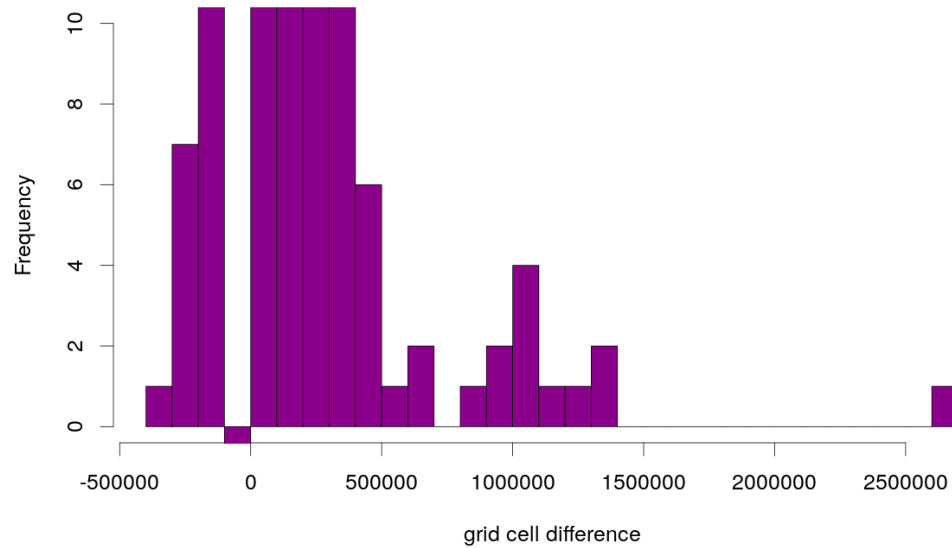
Urban population, 2019**Urban population, 2019**

150

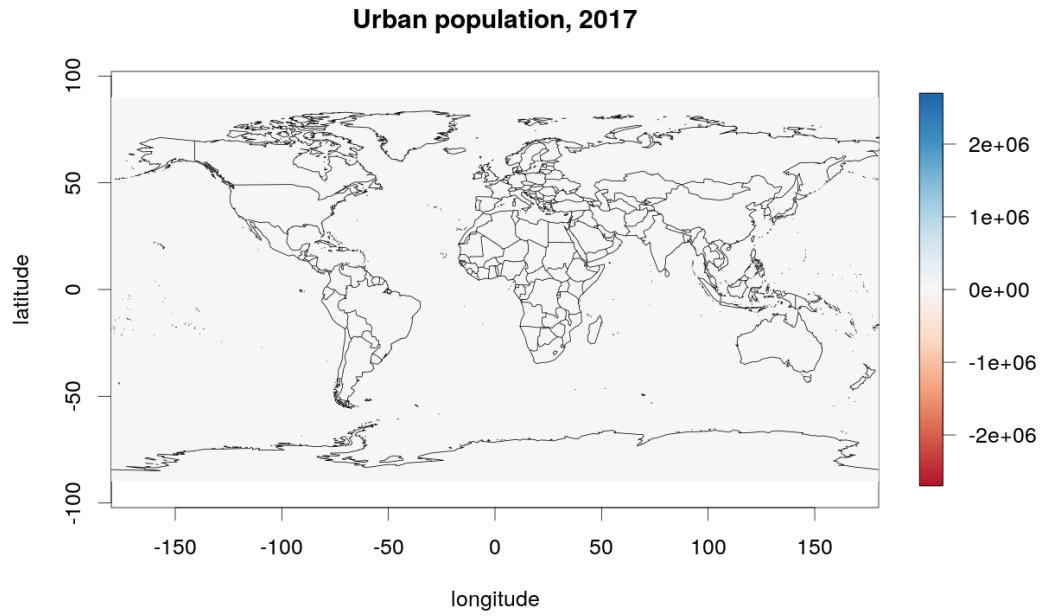
2018



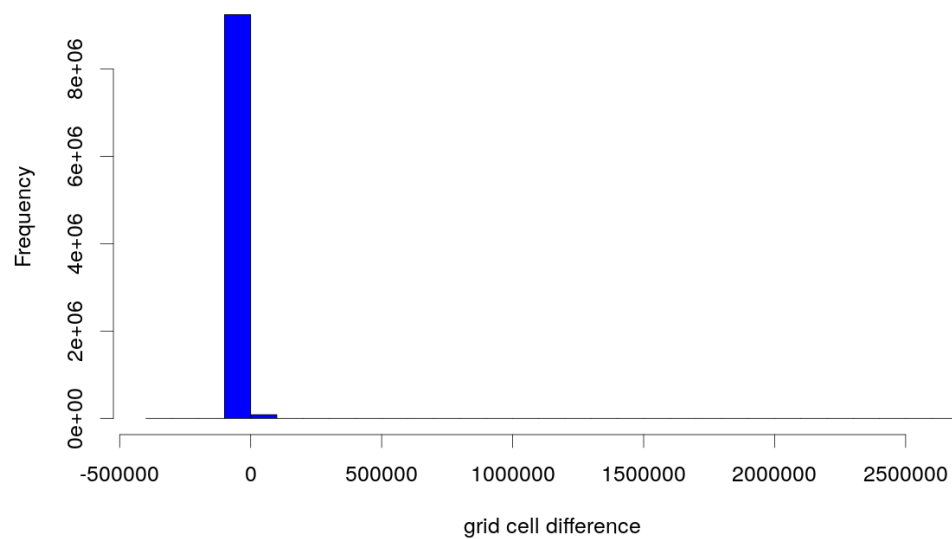
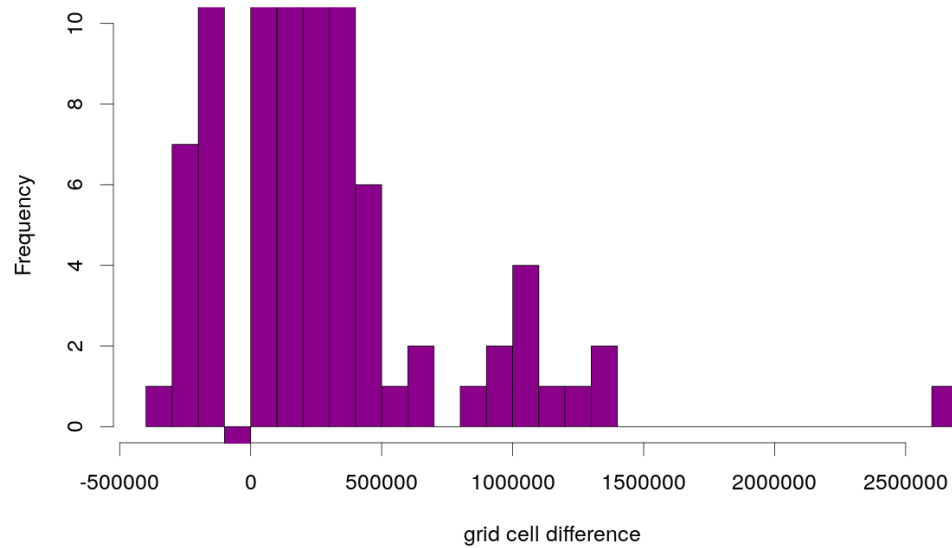
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 4.07392e+09 \\ \sum_x p_x^{(v3.3)} &= 4.08235e+09 \\ \sum_x \Delta_x &= 8.42135e+06 \\ \sum_x |\Delta_x| &= 9.50191e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00206714 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0233238 \\ \max_x \Delta_x &= 2.6703e+06 \\ \min_x \Delta_x &= -317764 \end{aligned}$$

Urban population, 2018**Urban population, 2018**

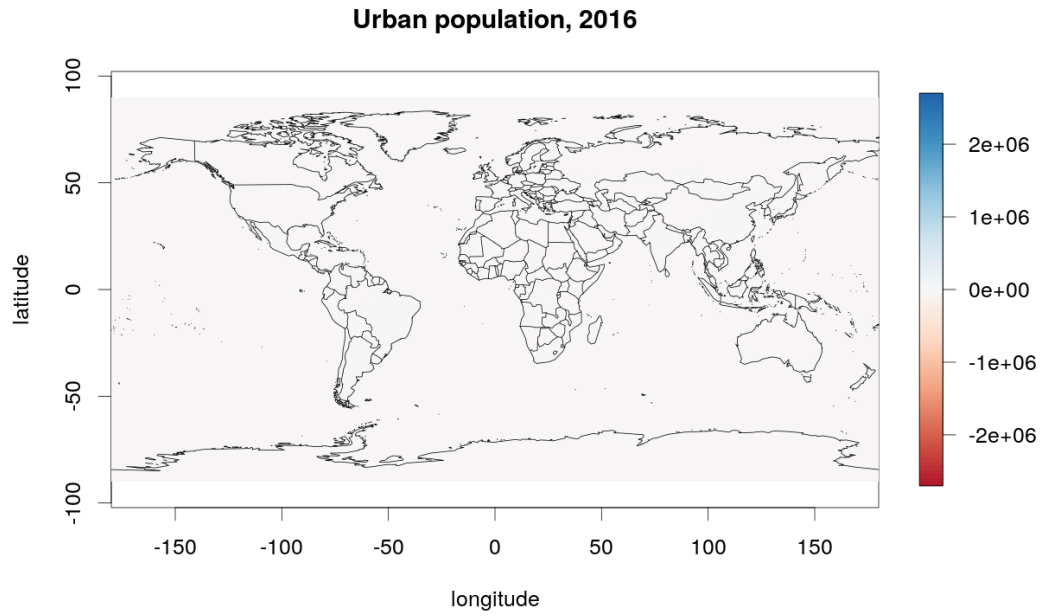
2017



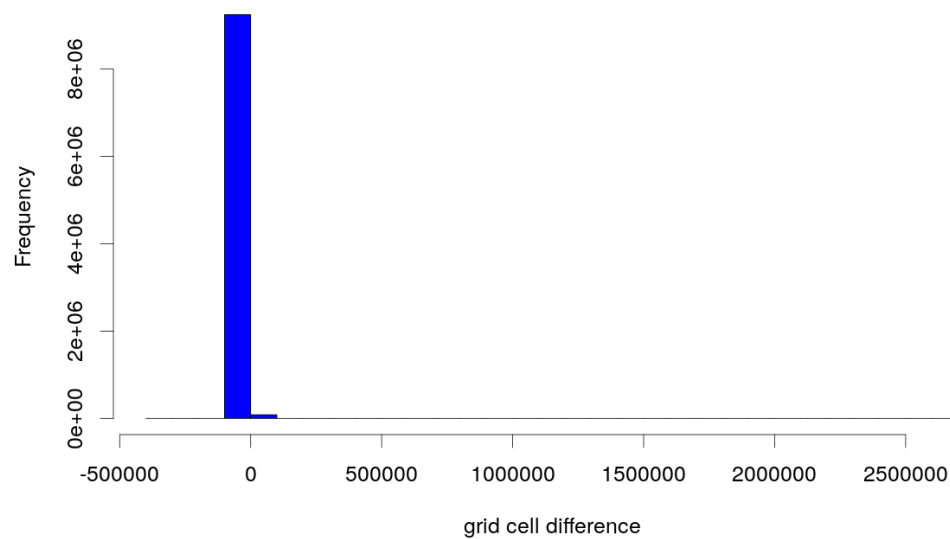
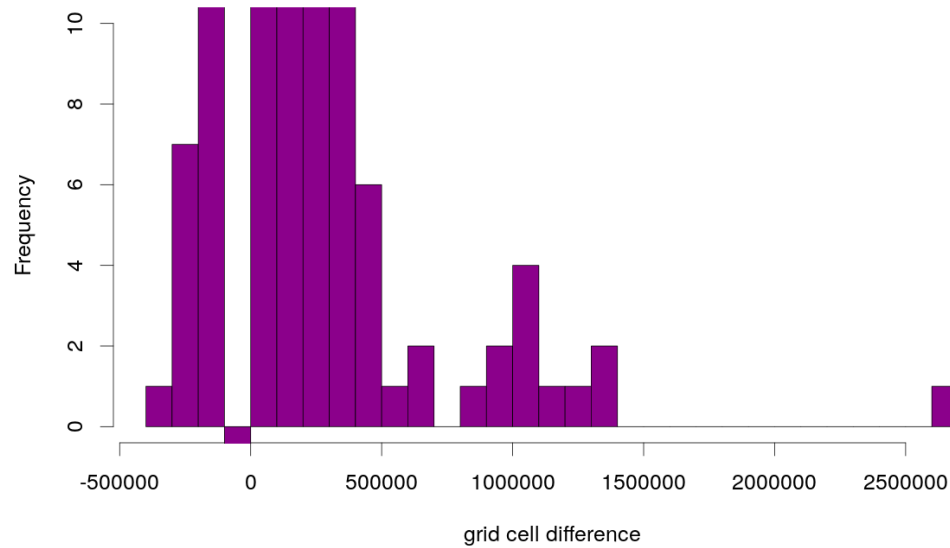
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.99842e+09 \\ \sum_x p_x^{(v3.3)} &= 4.00772e+09 \\ \sum_x \Delta_x &= 9.2992e+06 \\ \sum_x |\Delta_x| &= 9.33036e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00232572 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0233351 \\ \max_x \Delta_x &= 2.67216e+06 \\ \min_x \Delta_x &= -317985 \end{aligned}$$

Urban population, 2017**Urban population, 2017**

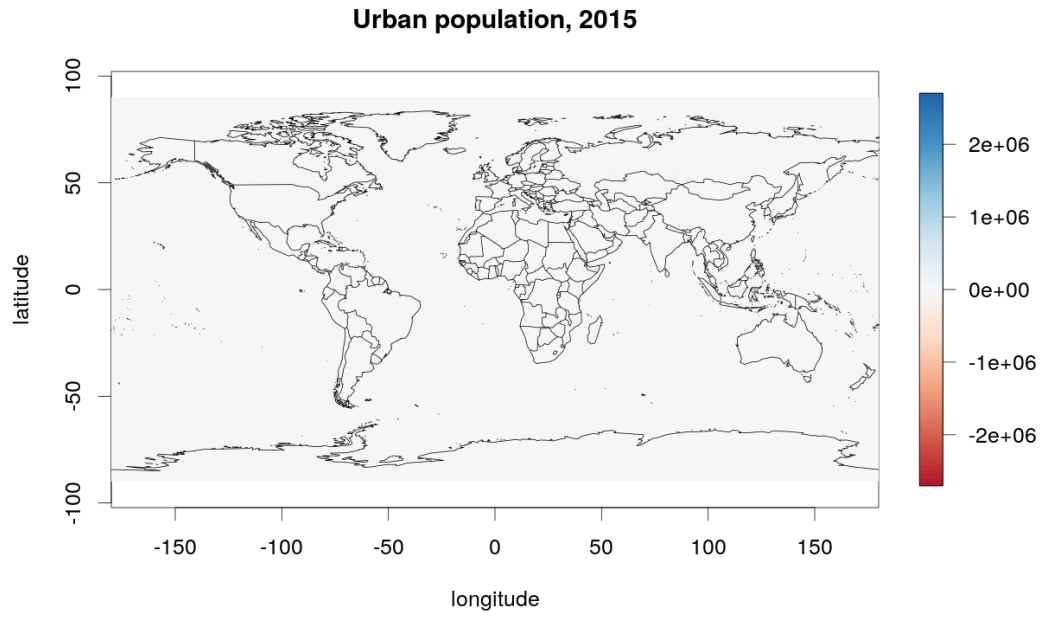
2016



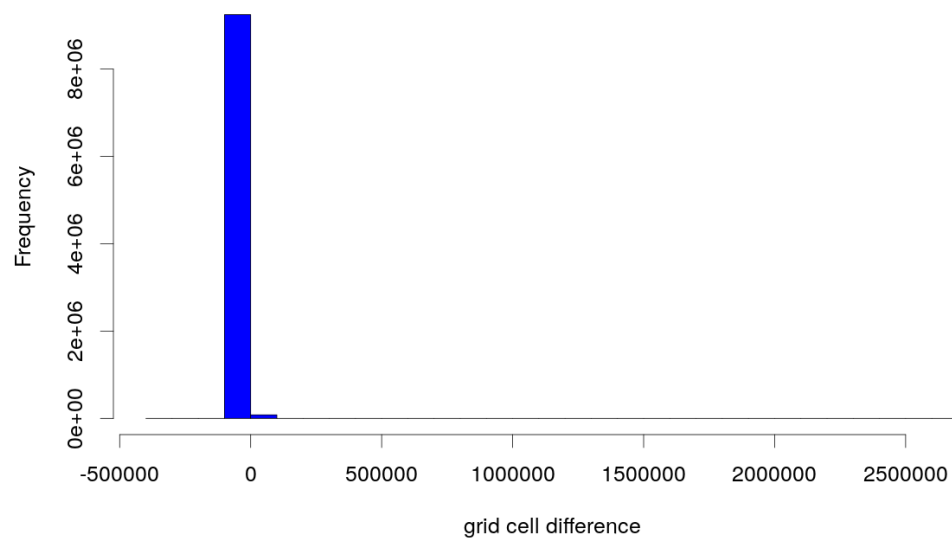
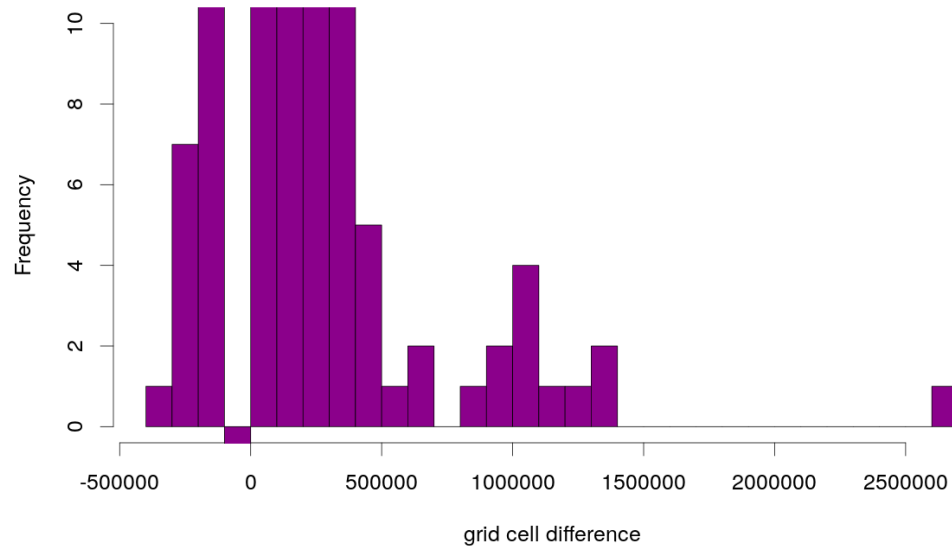
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.92426e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.93391e+09 \\
 \sum_x \Delta_x &= 9.65351e+06 \\
 \sum_x |\Delta_x| &= 9.28484e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00245996 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0236601 \\
 \max_x \Delta_x &= 2.67402e+06 \\
 \min_x \Delta_x &= -318206
 \end{aligned}$$

Urban population, 2016**Urban population, 2016**

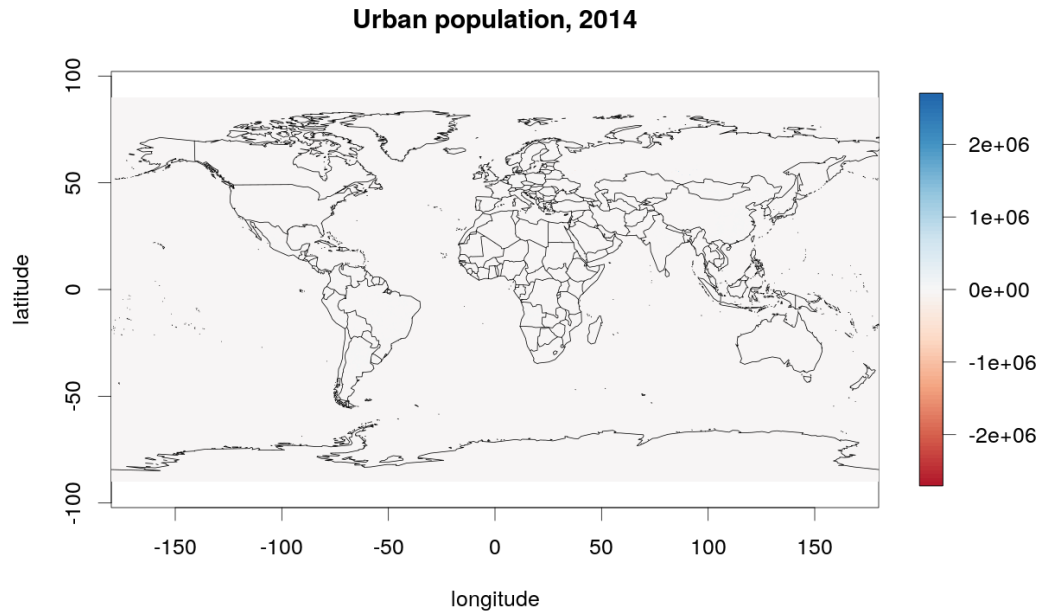
2015



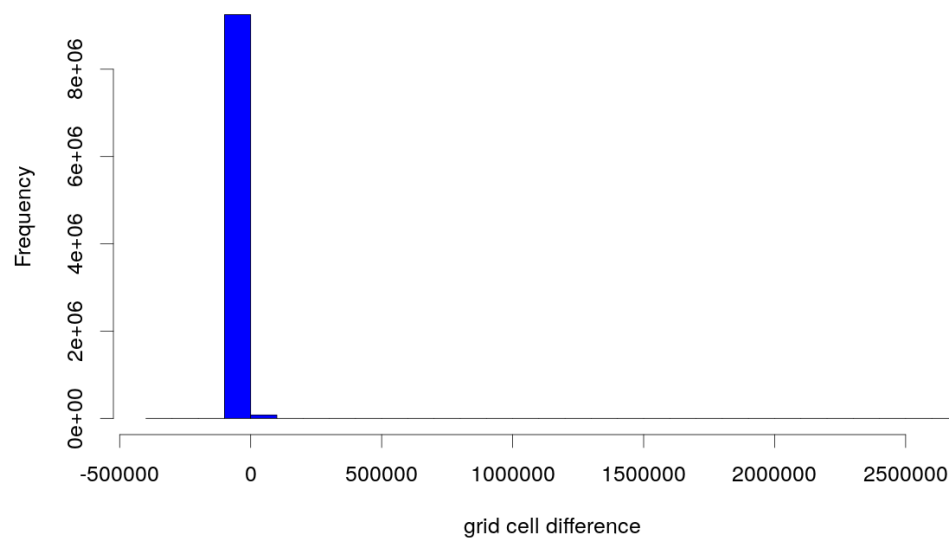
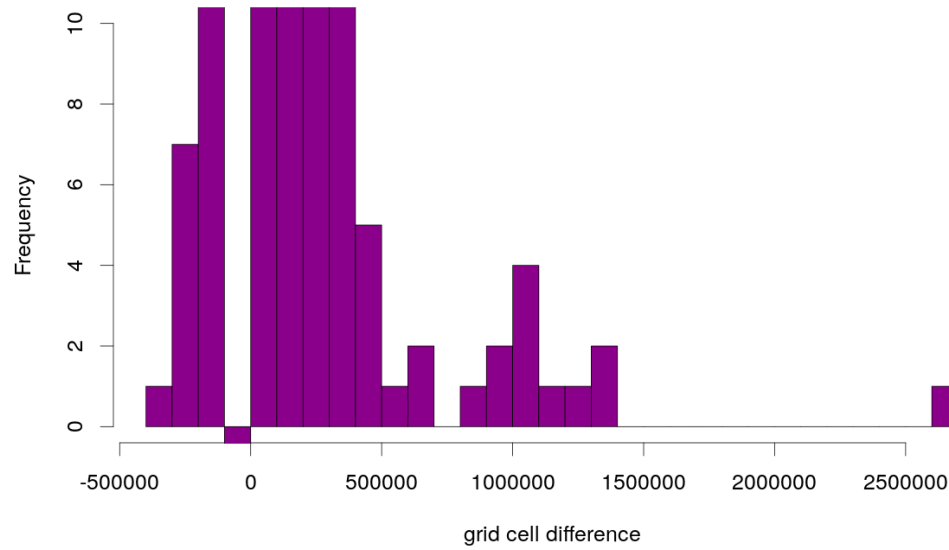
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.85085e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.86085e+09 \\
 \sum_x \Delta_x &= 9.99326e+06 \\
 \sum_x |\Delta_x| &= 9.26566e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00259508 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0240613 \\
 \max_x \Delta_x &= 2.67588e+06 \\
 \min_x \Delta_x &= -318427
 \end{aligned}$$

Urban population, 2015**Urban population, 2015**

2014

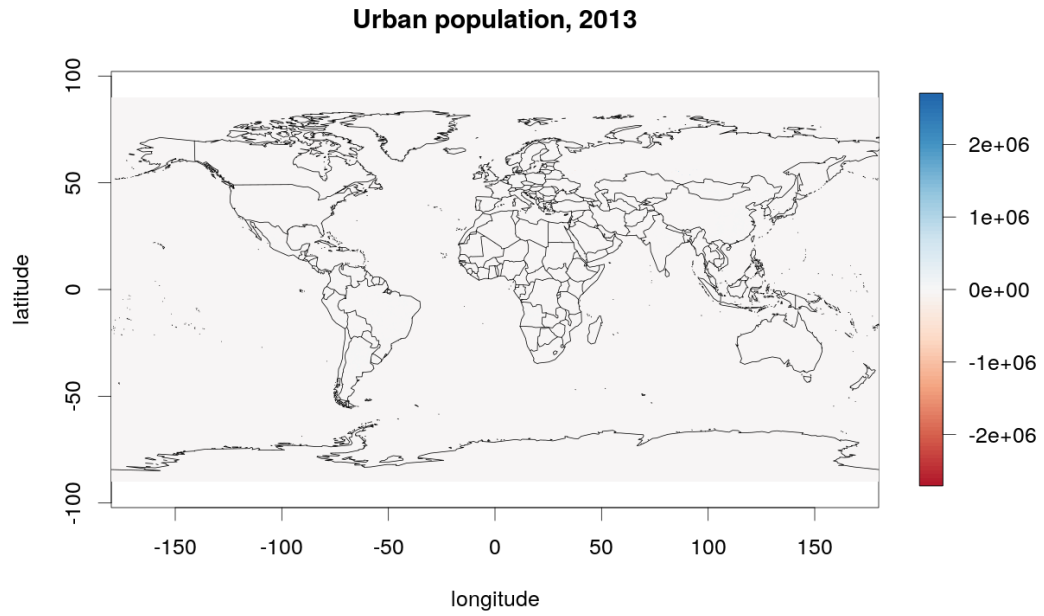


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.77821e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.78692e+09 \\
 \sum_x \Delta_x &= 8.71572e+06 \\
 \sum_x |\Delta_x| &= 8.99354e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00230684 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0238037 \\
 \max_x \Delta_x &= 2.67774e+06 \\
 \min_x \Delta_x &= -318649
 \end{aligned}$$

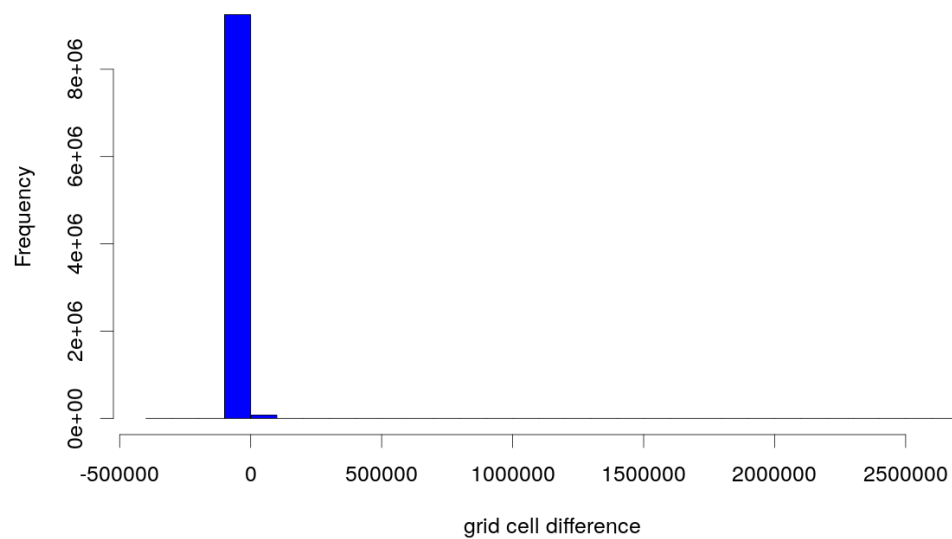
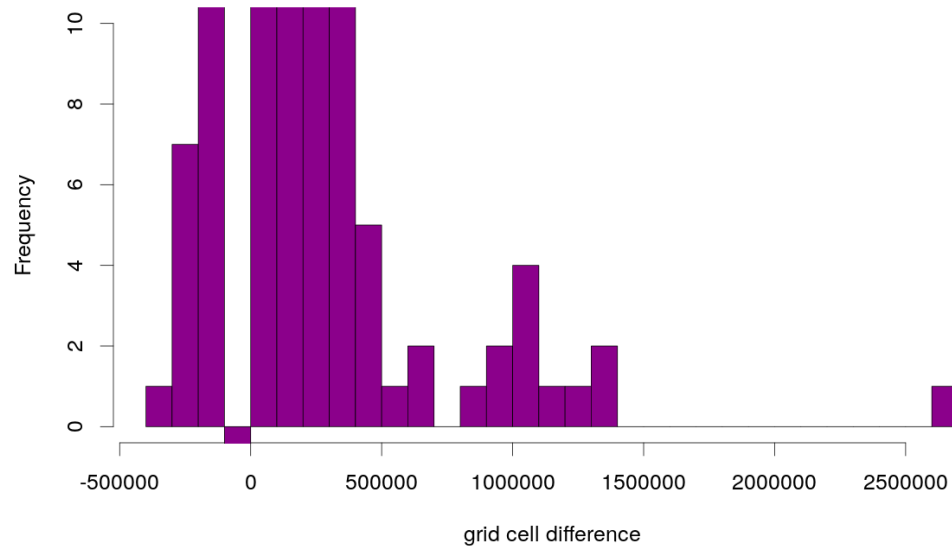
Urban population, 2014**Urban population, 2014**

160

2013

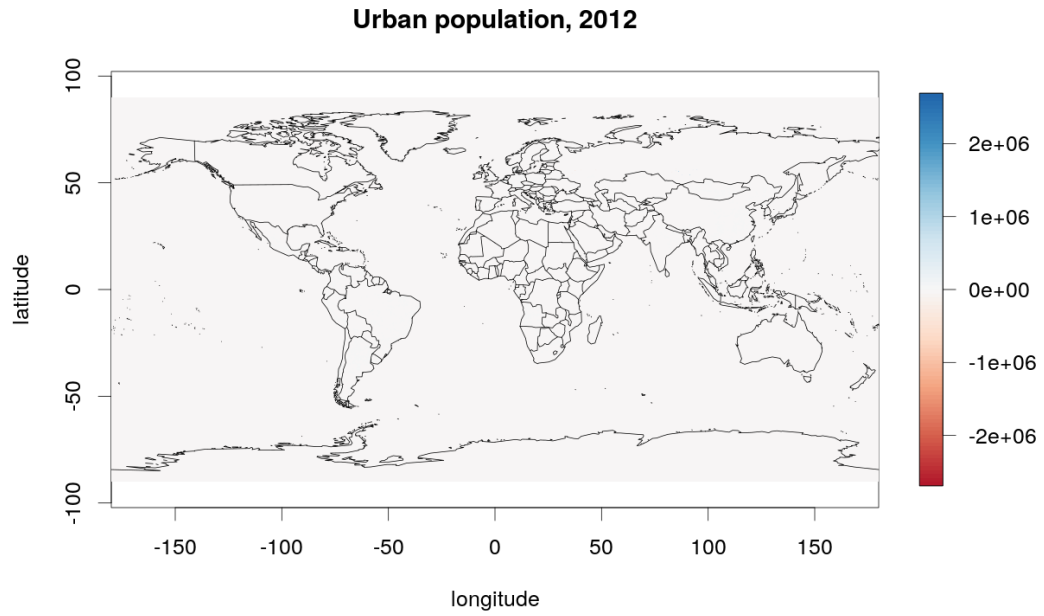


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 3.70632e+09 \\ \sum_x p_x^{(v3.3)} &= 3.71422e+09 \\ \sum_x \Delta_x &= 7.90514e+06 \\ \sum_x |\Delta_x| &= 8.75782e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00213288 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0236294 \\ \max_x \Delta_x &= 2.67959e+06 \\ \min_x \Delta_x &= -318870\end{aligned}$$

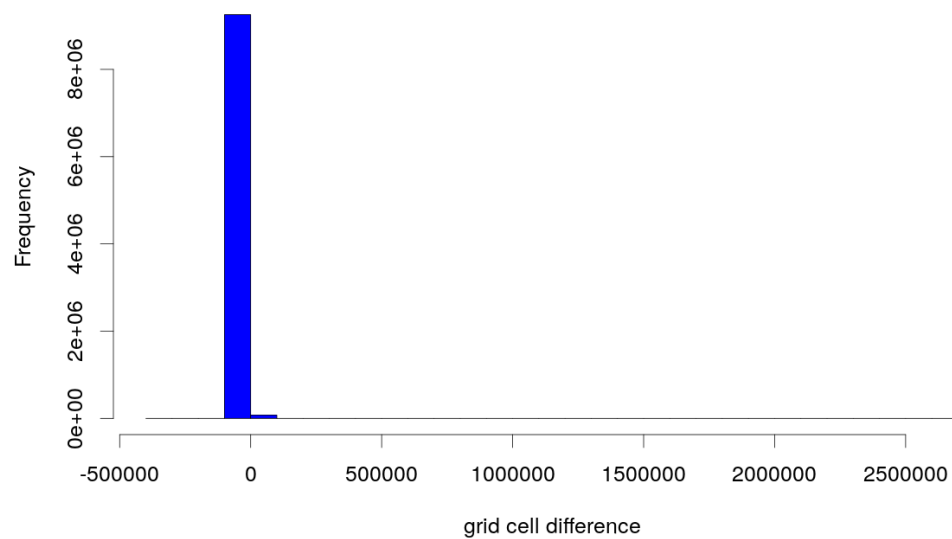
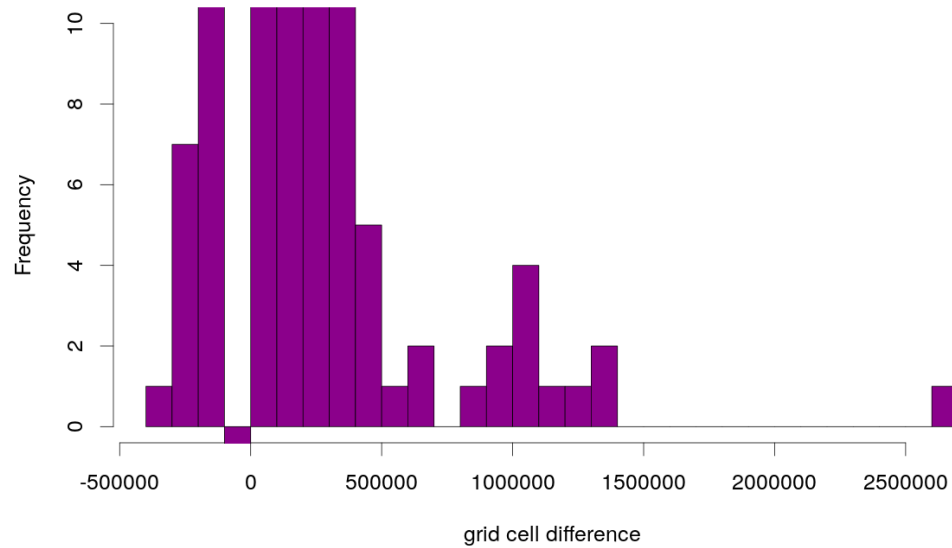
Urban population, 2013**Urban population, 2013**

162

2012

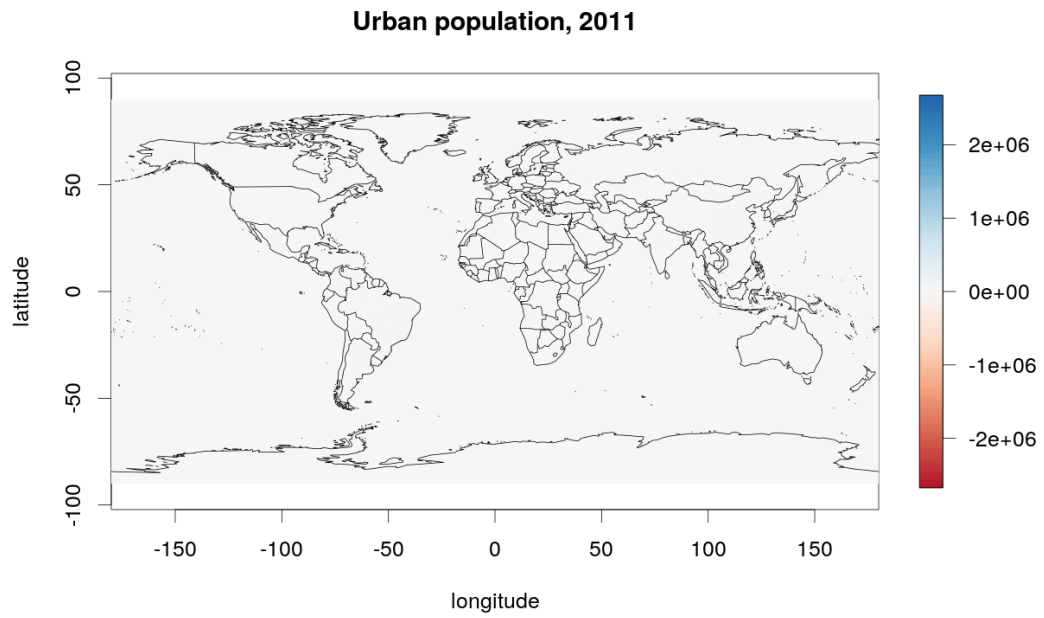


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.63519\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 3.64194\text{e}+09 \\ \sum_x \Delta_x &= 6.75481\text{e}+06 \\ \sum_x |\Delta_x| &= 8.52371\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00185817 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0234478 \\ \max_x \Delta_x &= 2.6637\text{e}+06 \\ \min_x \Delta_x &= -327928 \end{aligned}$$

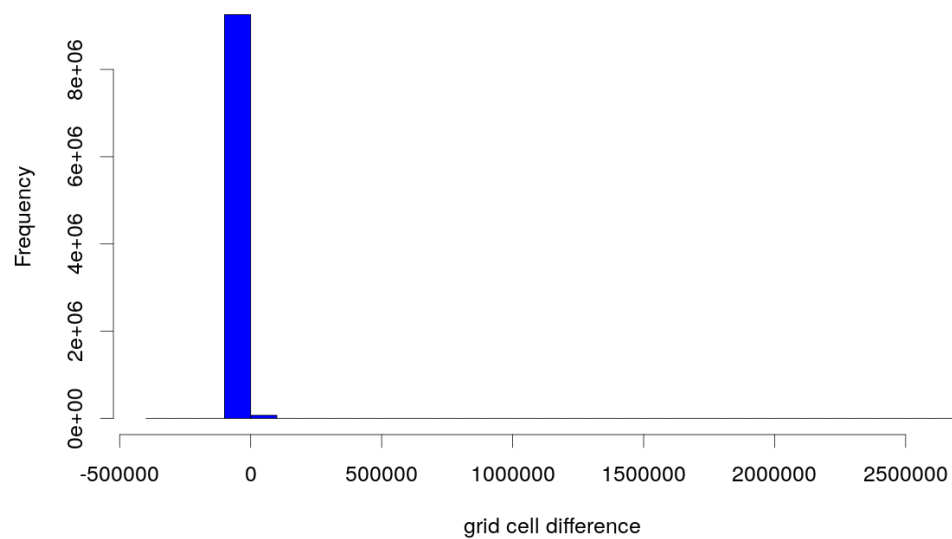
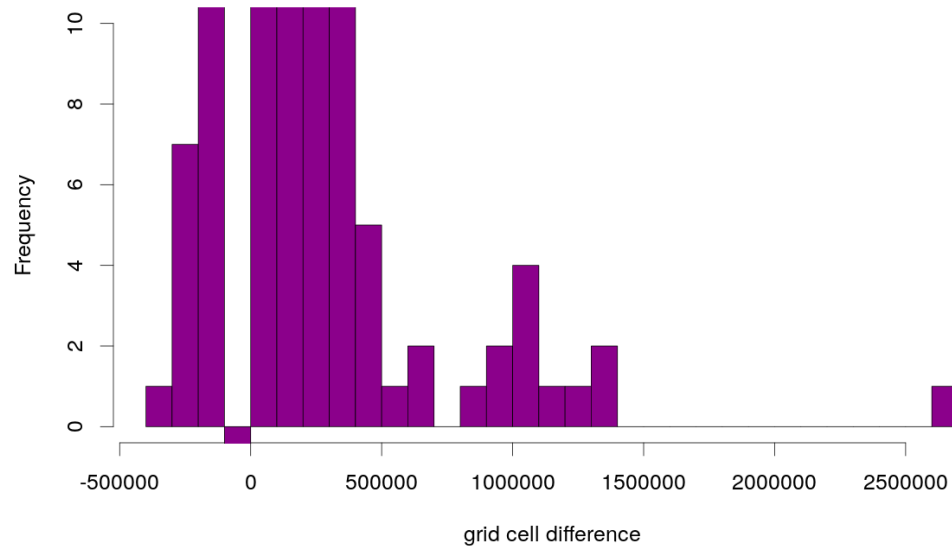
Urban population, 2012**Urban population, 2012**

164

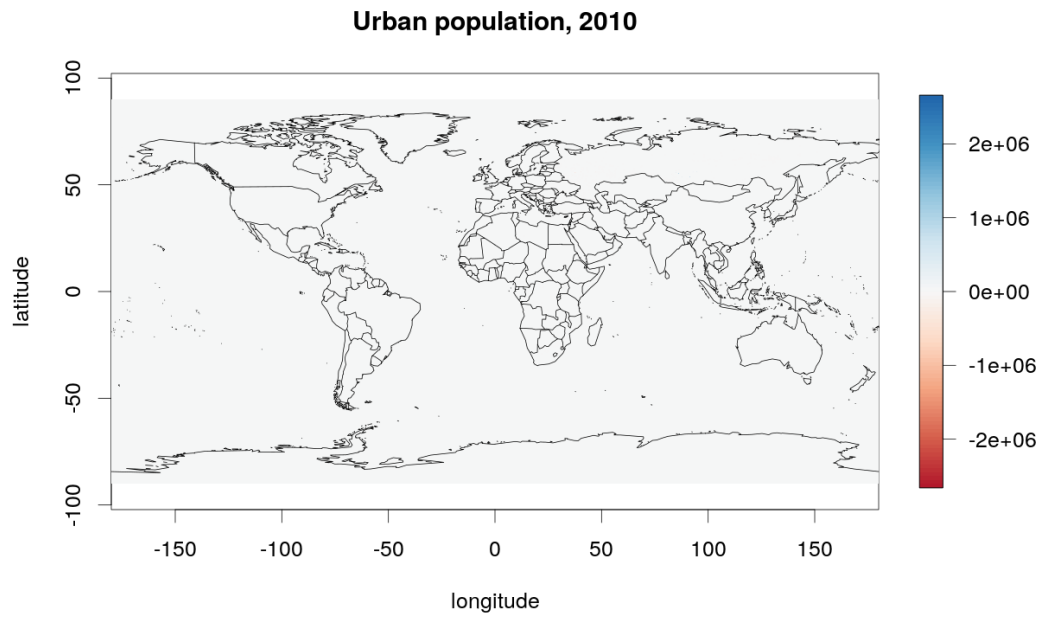
2011



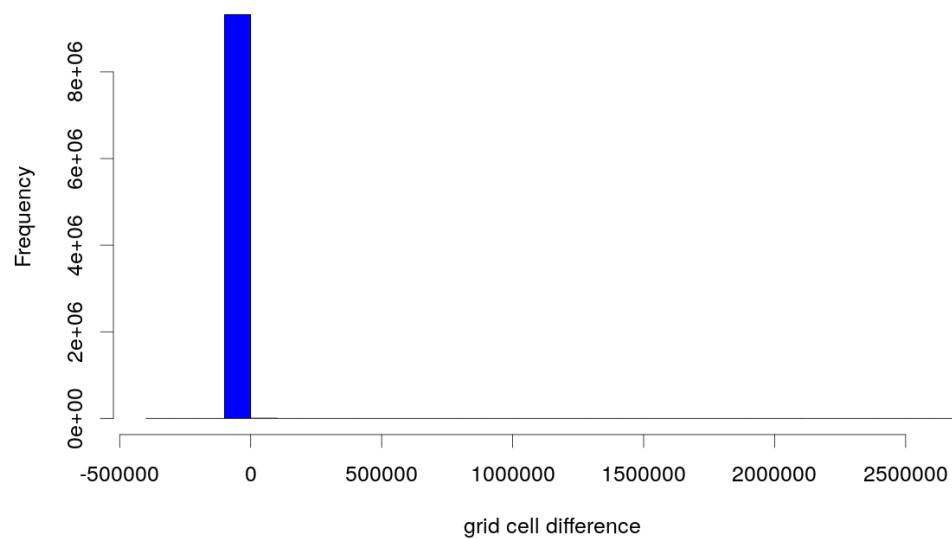
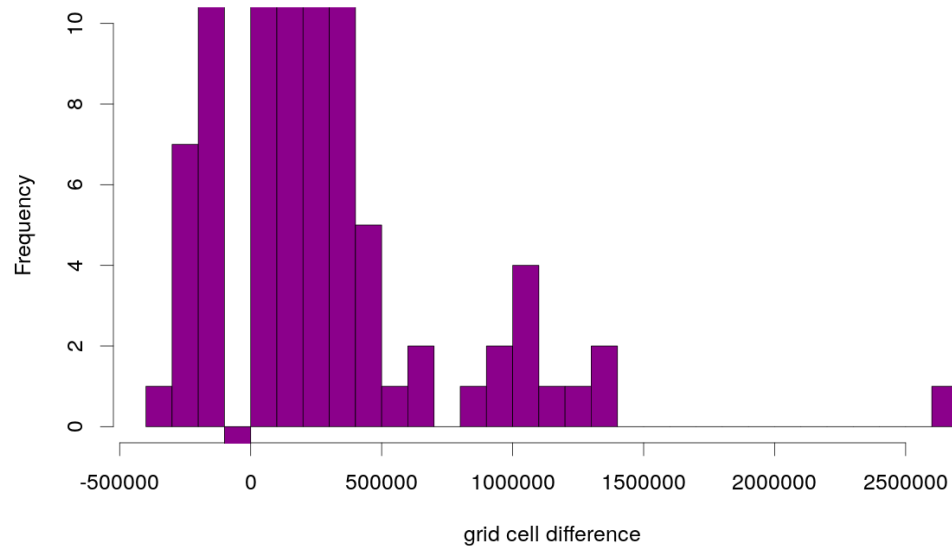
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.56481e+09 \\ \sum_x p_x^{(v3.3)} &= 3.57059e+09 \\ \sum_x \Delta_x &= 5.77973e+06 \\ \sum_x |\Delta_x| &= 8.31722e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00162133 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0233315 \\ \max_x \Delta_x &= 2.6478e+06 \\ \min_x \Delta_x &= -327164 \end{aligned}$$

Urban population, 2011**Urban population, 2011**

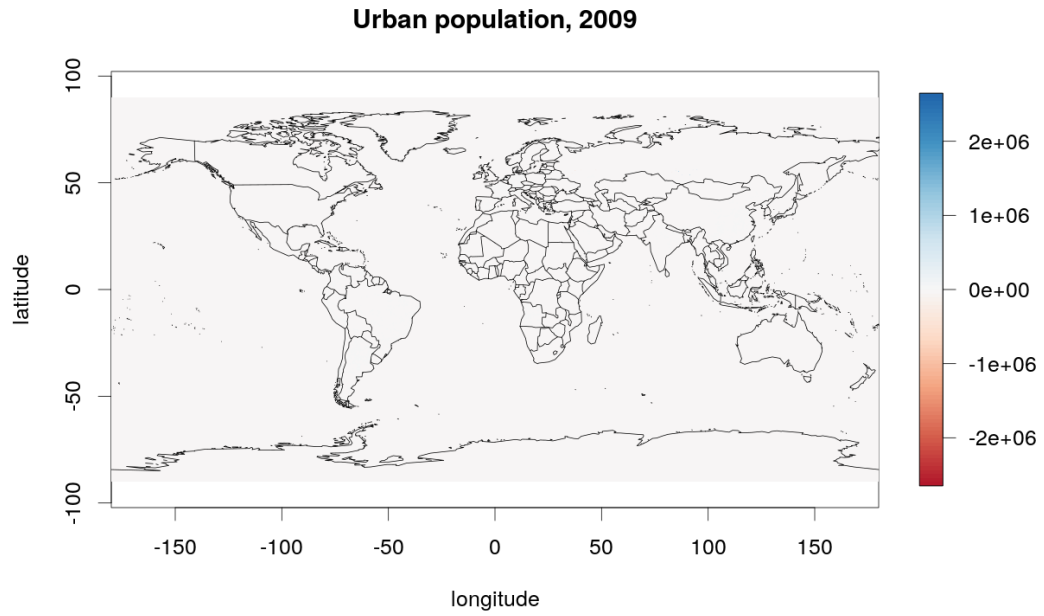
2010



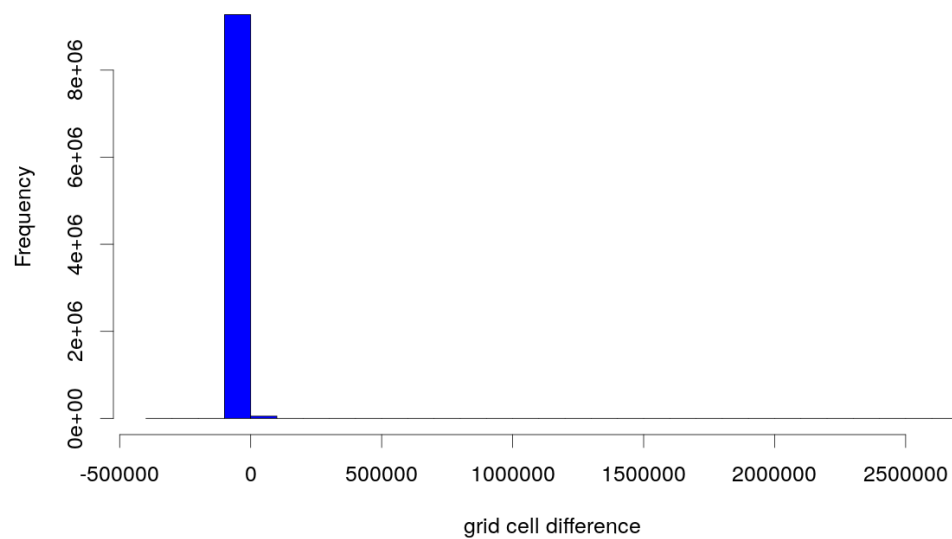
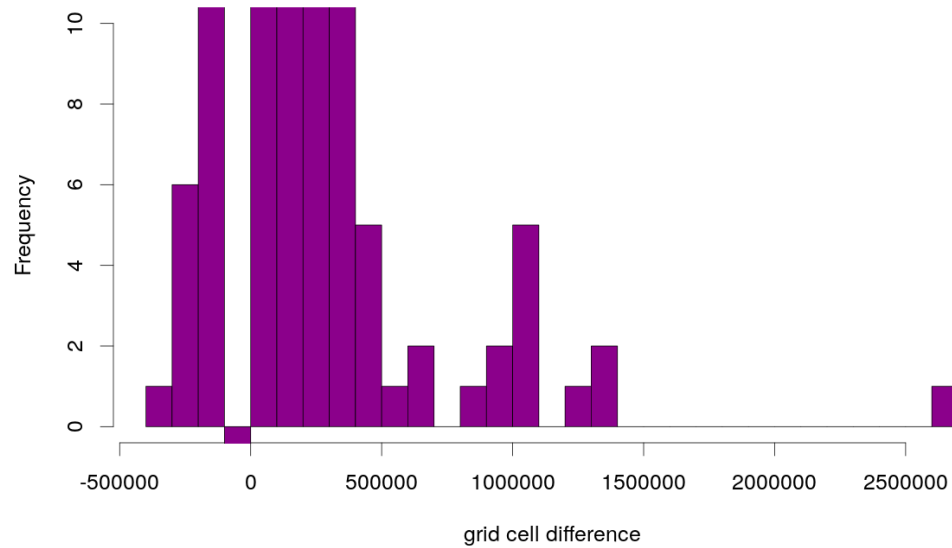
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.4952e+09 \\ \sum_x p_x^{(v3.3)} &= 3.49877e+09 \\ \sum_x \Delta_x &= 3.56663e+06 \\ \sum_x |\Delta_x| &= 8.31525e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.00102044 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0237905 \\ \max_x \Delta_x &= 2.63189e+06 \\ \min_x \Delta_x &= -326399 \end{aligned}$$

Urban population, 2010**Urban population, 2010**

2009

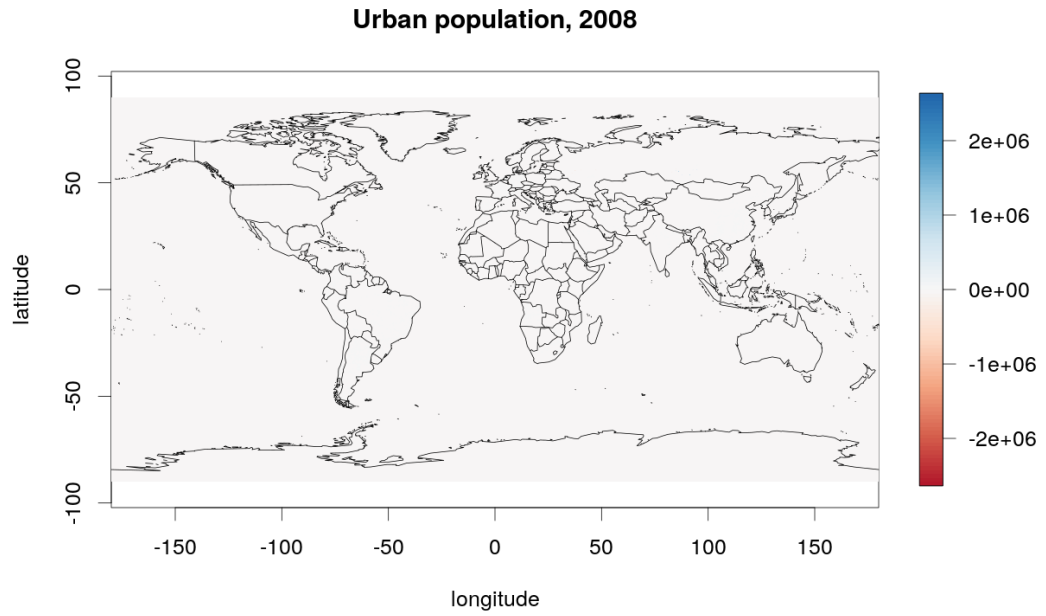


$$\begin{aligned} \sum_x p_x^{(v^{3.2.1})} &= 3.42866e+09 \\ \sum_x p_x^{(v^{3.3})} &= 3.43274e+09 \\ \sum_x \Delta_x &= 4.07833e+06 \\ \sum_x |\Delta_x| &= 8.32935e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v^{3.2.1})} &= 0.00118948 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v^{3.2.1})} &= 0.0242933 \\ \max_x \Delta_x &= 2.62111e+06 \\ \min_x \Delta_x &= -326272 \end{aligned}$$

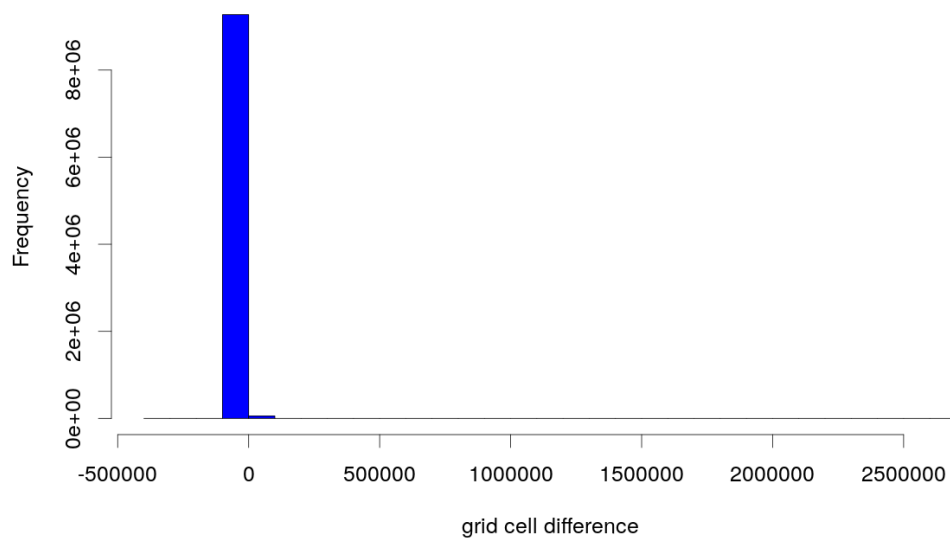
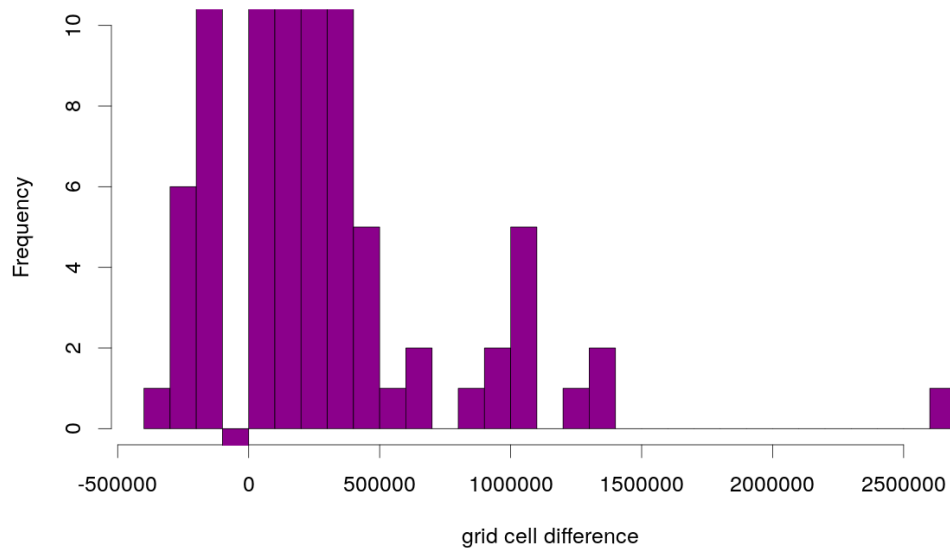
Urban population, 2009**Urban population, 2009**

170

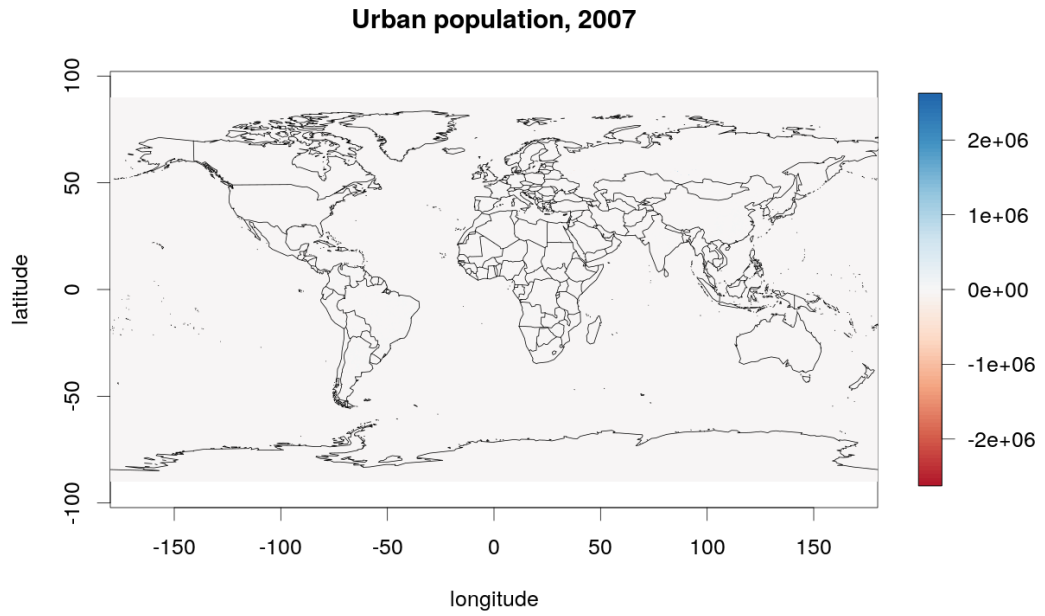
2008



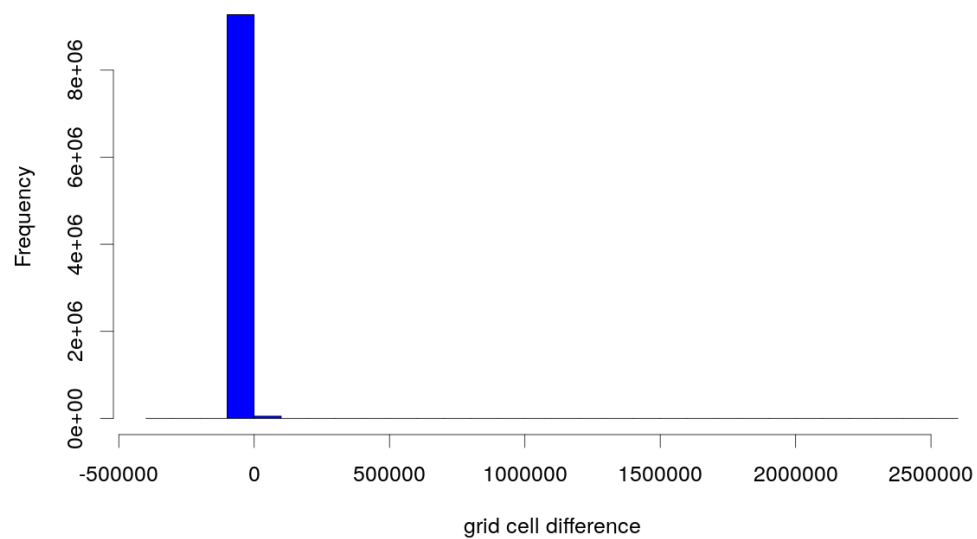
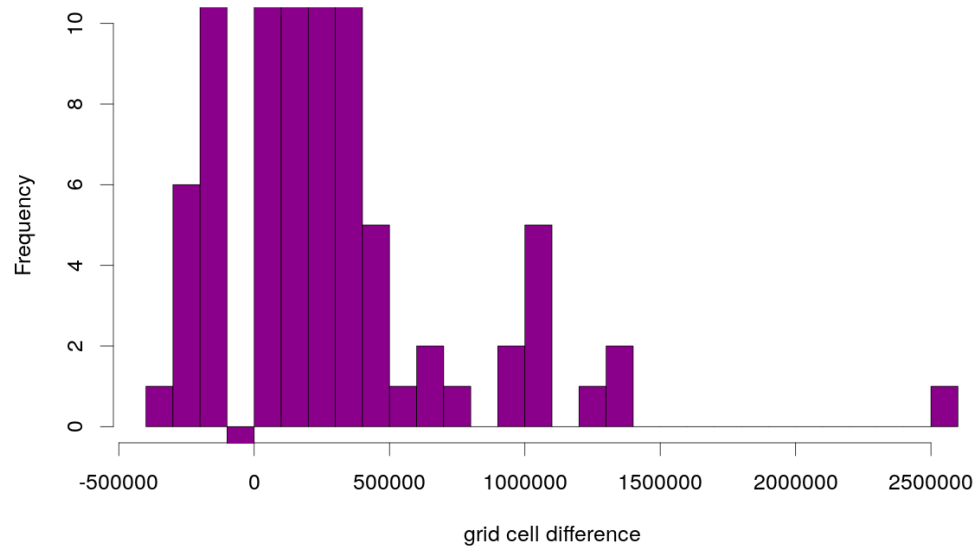
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.36274e+09 \\ \sum_x p_x^{(v3.3)} &= 3.36619e+09 \\ \sum_x \Delta_x &= 3.44378e+06 \\ \sum_x |\Delta_x| &= 8.54396e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.0010241 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0254077 \\ \max_x \Delta_x &= 2.61025e+06 \\ \min_x \Delta_x &= -326140 \end{aligned}$$

Urban population, 2008**Urban population, 2008**

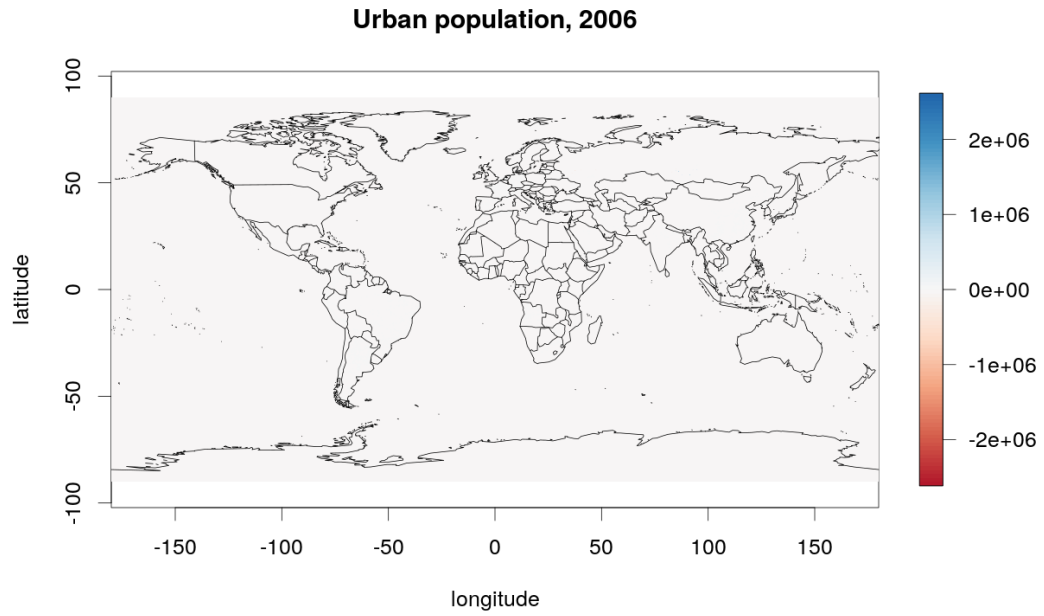
2007



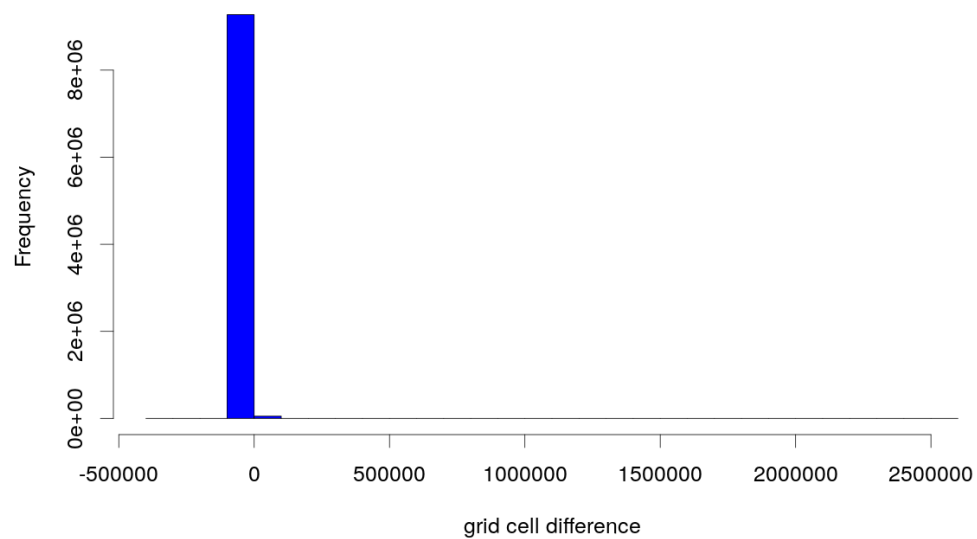
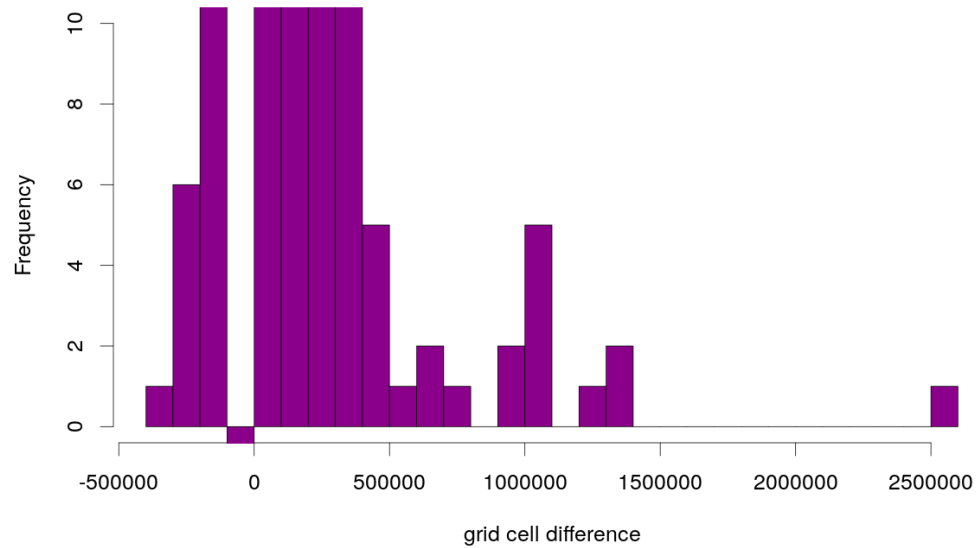
$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 3.29745e+09 \\
 \sum_x p_x^{(v3.3)} &= 3.30031e+09 \\
 \sum_x \Delta_x &= 2.85659e+06 \\
 \sum_x |\Delta_x| &= 8.77892e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000866303 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0266234 \\
 \max_x \Delta_x &= 2.59931e+06 \\
 \min_x \Delta_x &= -326004
 \end{aligned}$$

Urban population, 2007**Urban population, 2007**

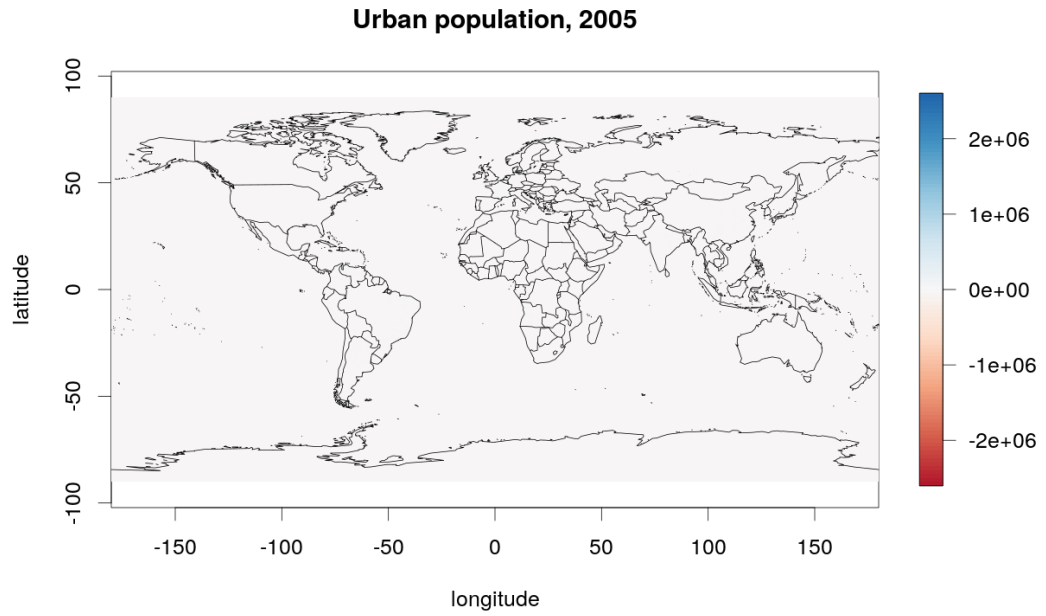
2006



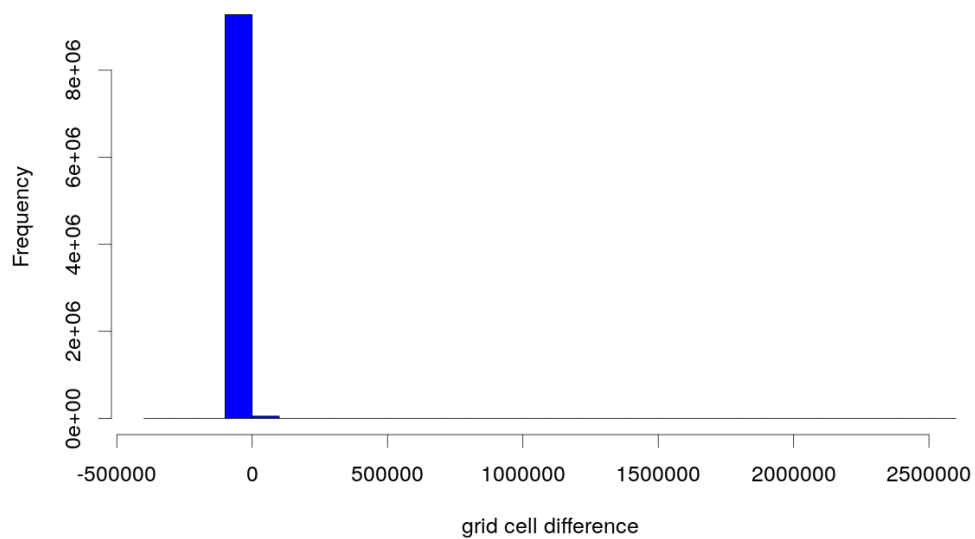
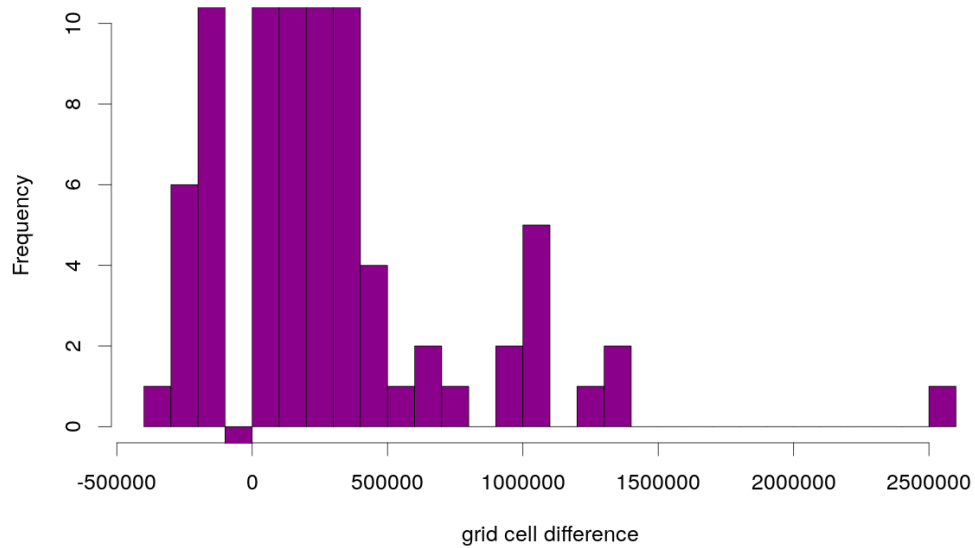
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.23279e+09 \\ \sum_x p_x^{(v3.3)} &= 3.23511e+09 \\ \sum_x \Delta_x &= 2.31784e+06 \\ \sum_x |\Delta_x| &= 9.00853e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000716978 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0278661 \\ \max_x \Delta_x &= 2.5883e+06 \\ \min_x \Delta_x &= -325862 \end{aligned}$$

Urban population, 2006**Urban population, 2006**

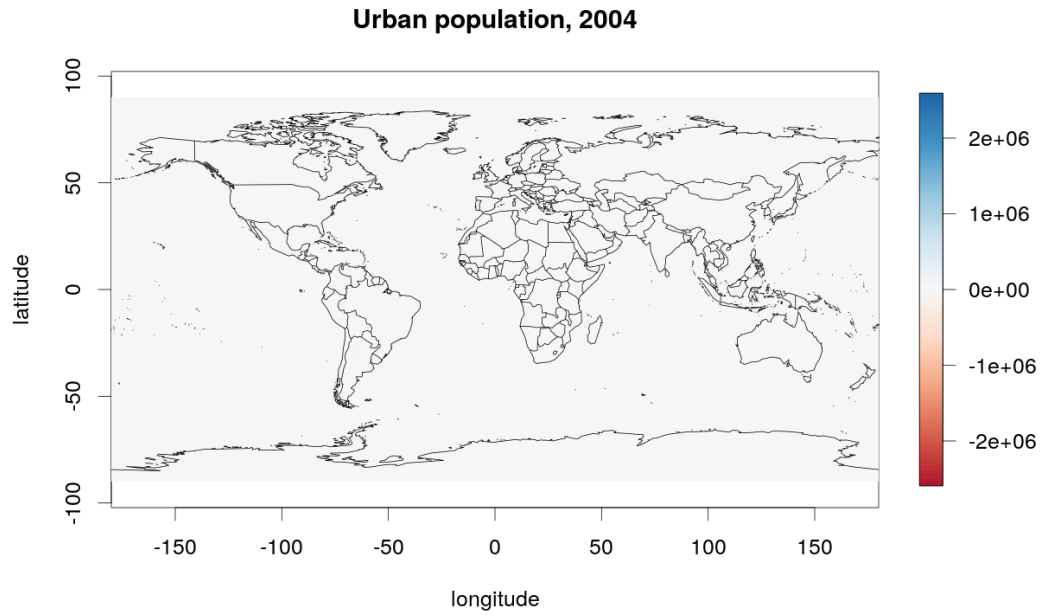
2005



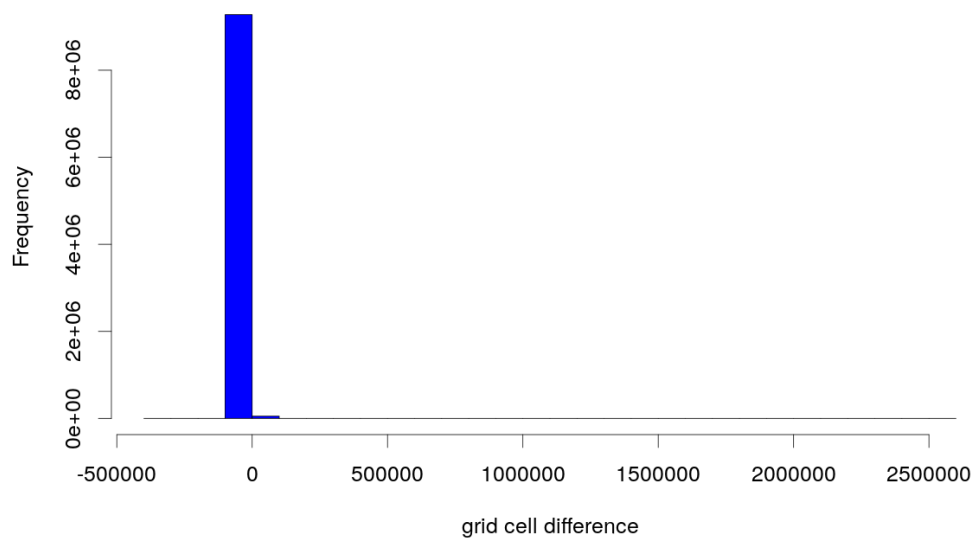
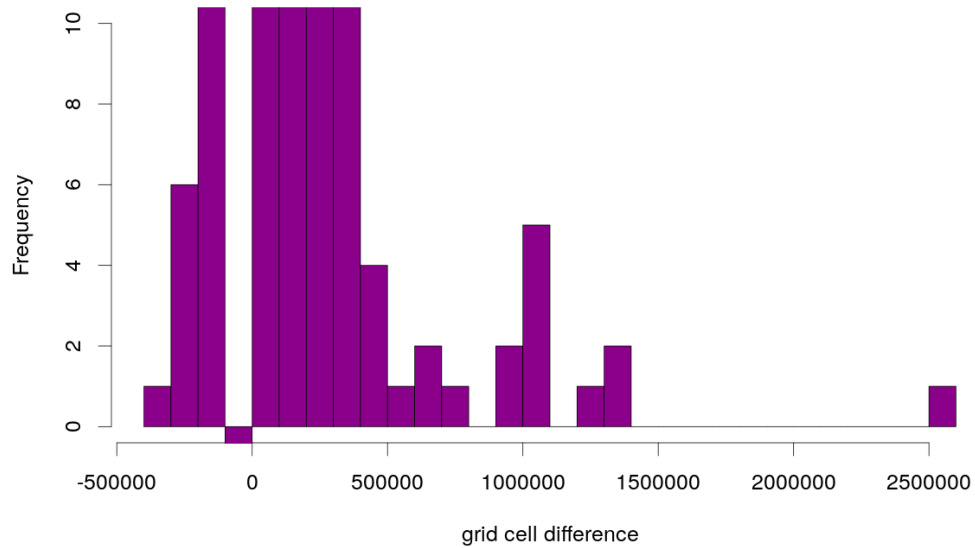
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.16875e+09 \\ \sum_x p_x^{(v3.3)} &= 3.17058e+09 \\ \sum_x \Delta_x &= 1.83032e+06 \\ \sum_x |\Delta_x| &= 9.23243e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000577616 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0291359 \\ \max_x \Delta_x &= 2.57721e+06 \\ \min_x \Delta_x &= -325715 \end{aligned}$$

Urban population, 2005**Urban population, 2005**

2004

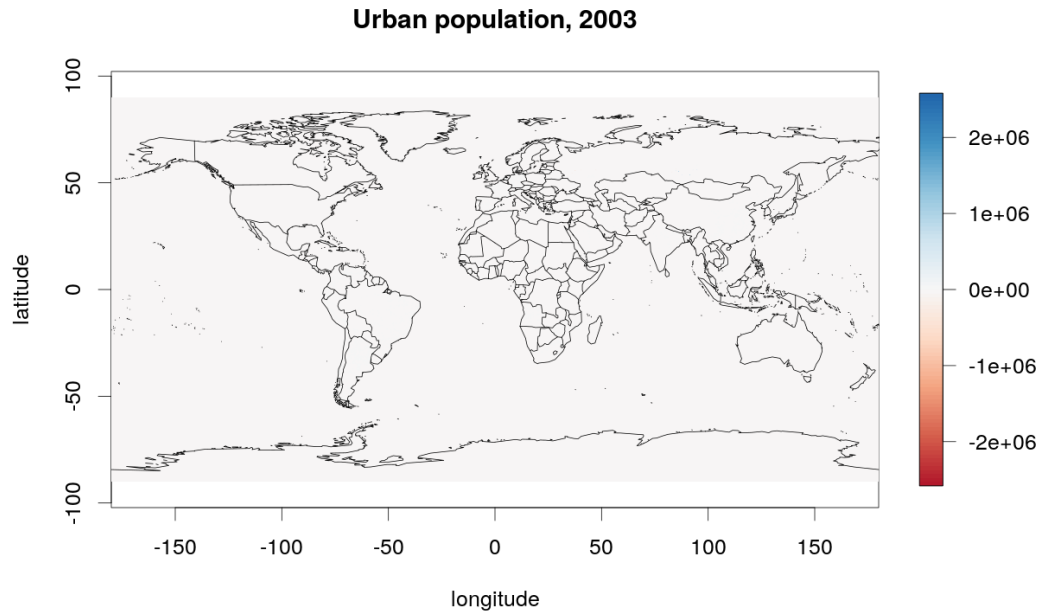


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.10533e+09 \\ \sum_x p_x^{(v3.3)} &= 3.10701e+09 \\ \sum_x \Delta_x &= 1.67702e+06 \\ \sum_x |\Delta_x| &= 9.00534e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000540046 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0289996 \\ \max_x \Delta_x &= 2.56604e+06 \\ \min_x \Delta_x &= -325563 \end{aligned}$$

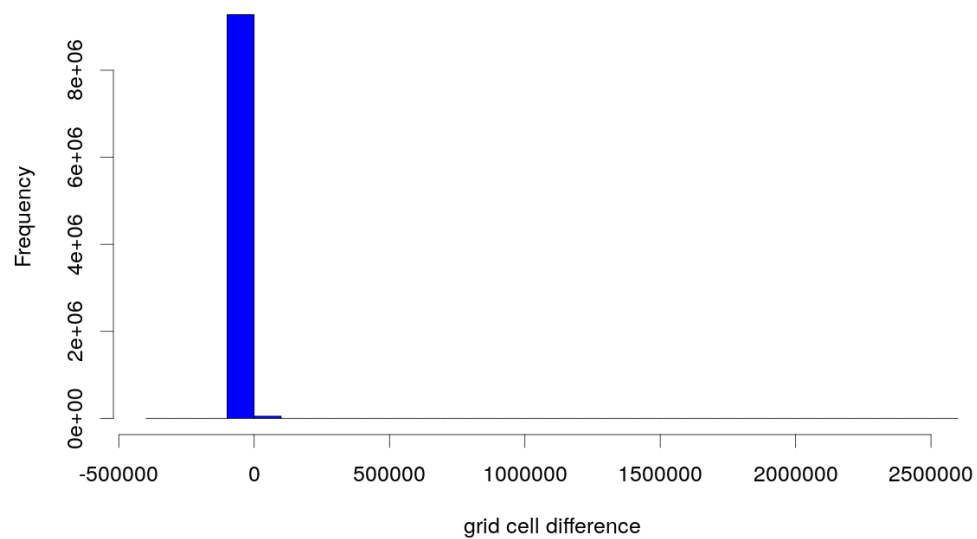
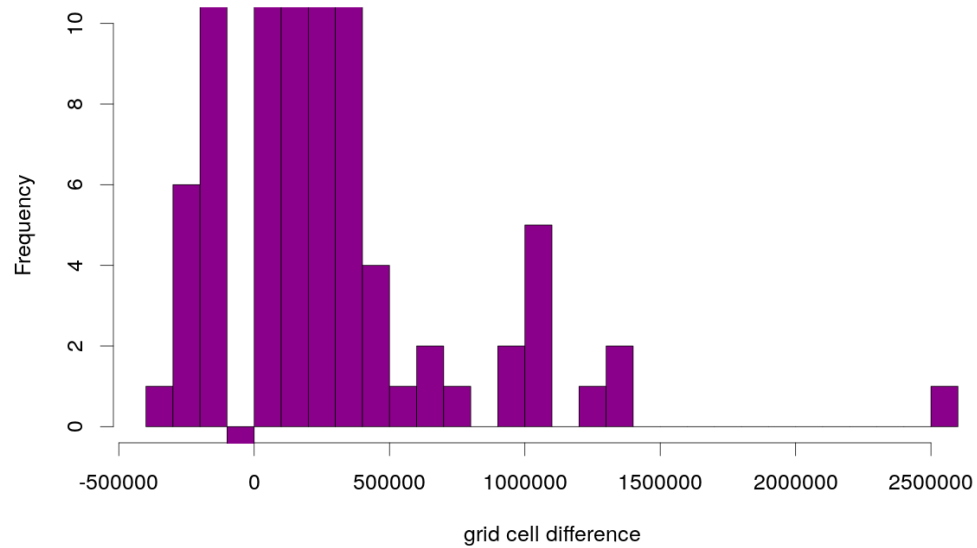
Urban population, 2004**Urban population, 2004**

180

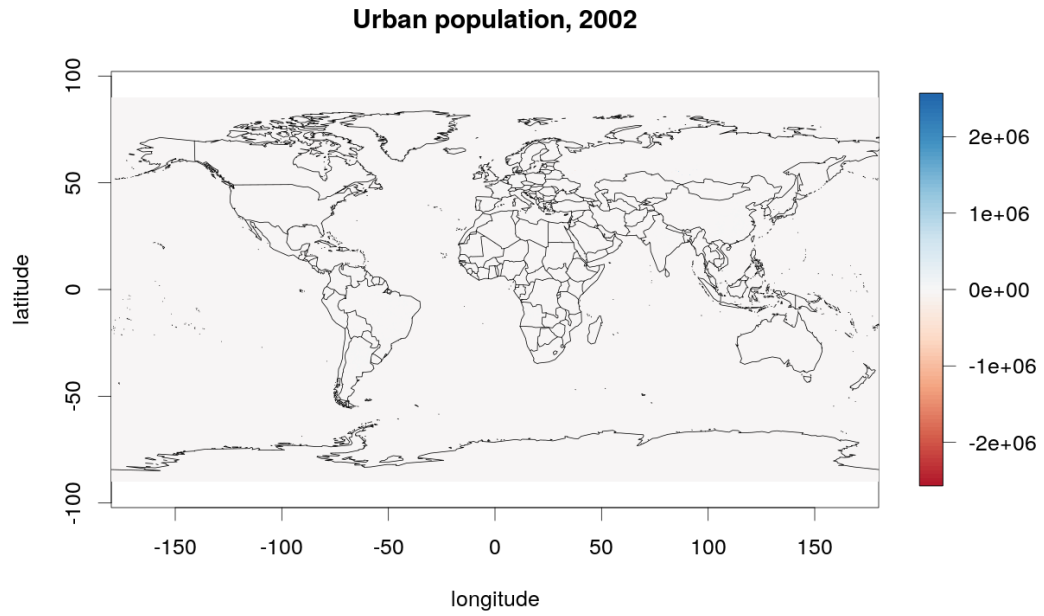
2003



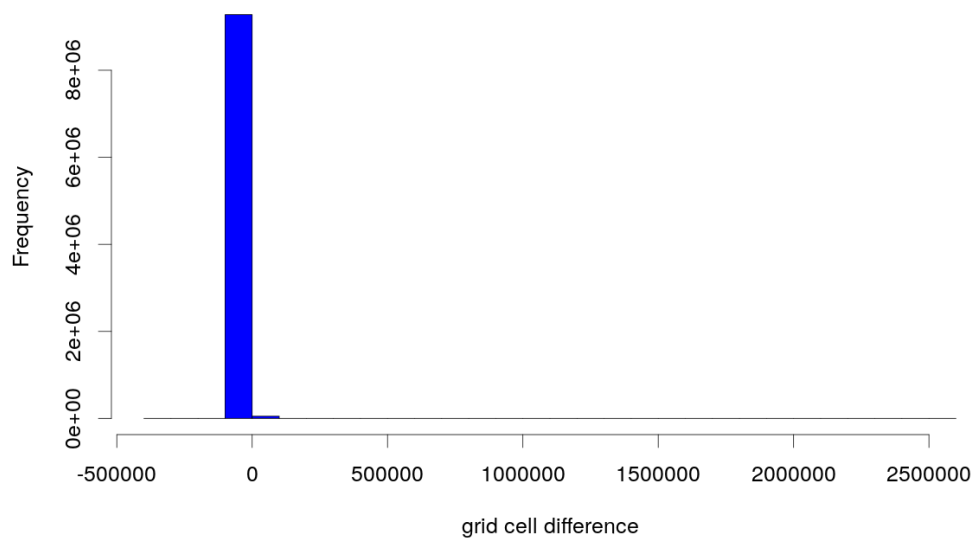
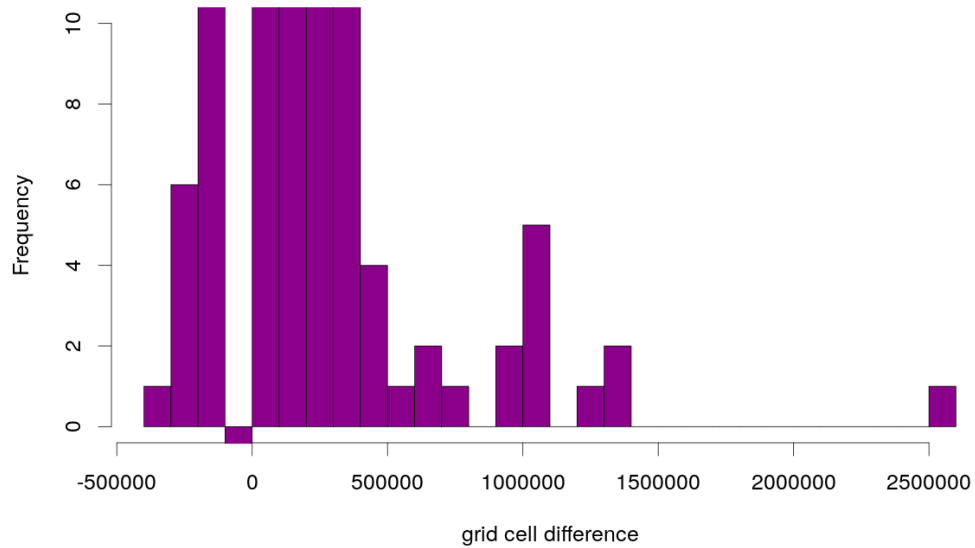
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.04255e+09 \\ \sum_x p_x^{(v3.3)} &= 3.04409e+09 \\ \sum_x \Delta_x &= 1.54387e+06 \\ \sum_x |\Delta_x| &= 8.77691e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000507426 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0288472 \\ \max_x \Delta_x &= 2.5548e+06 \\ \min_x \Delta_x &= -325406 \end{aligned}$$

Urban population, 2003**Urban population, 2003**

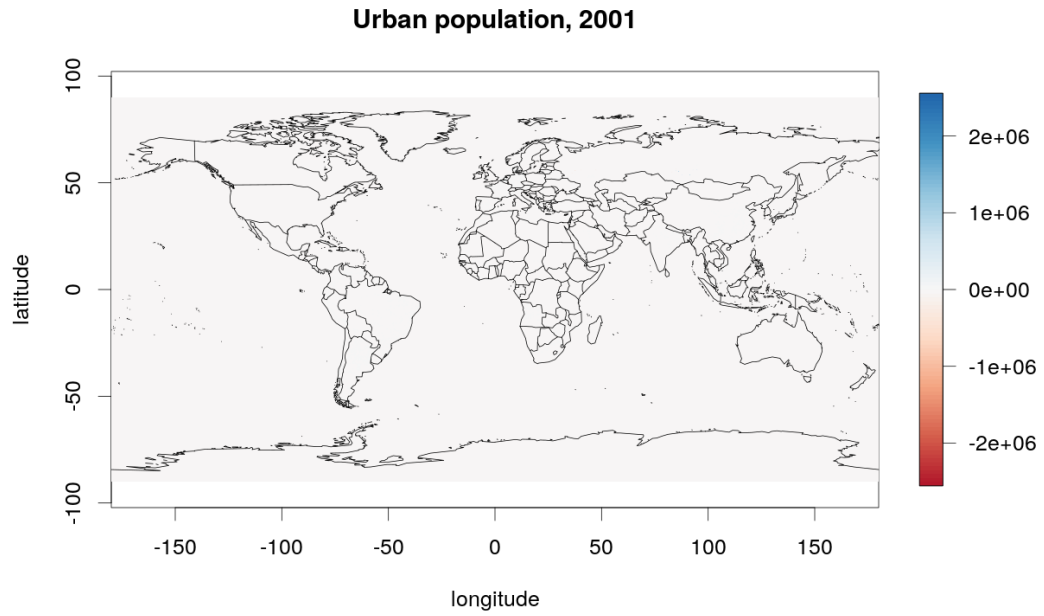
2002



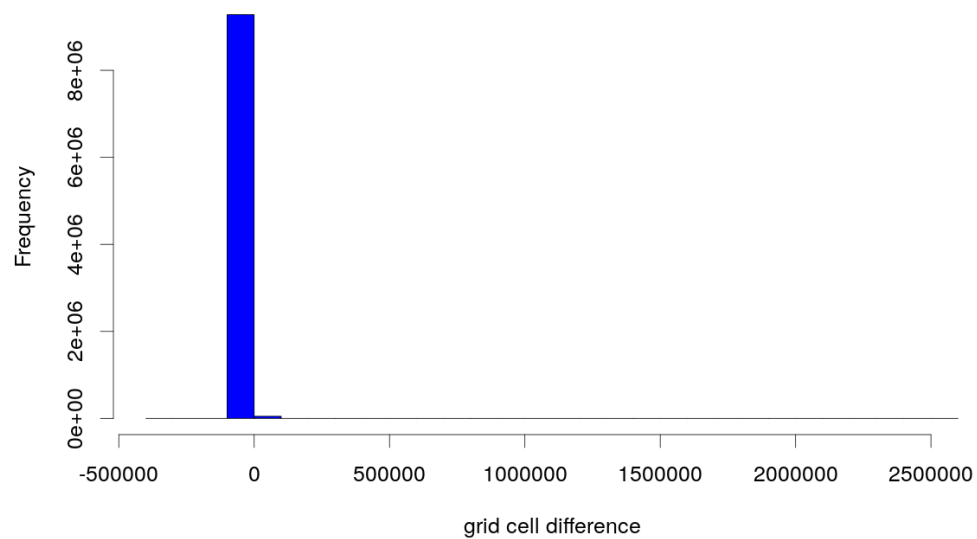
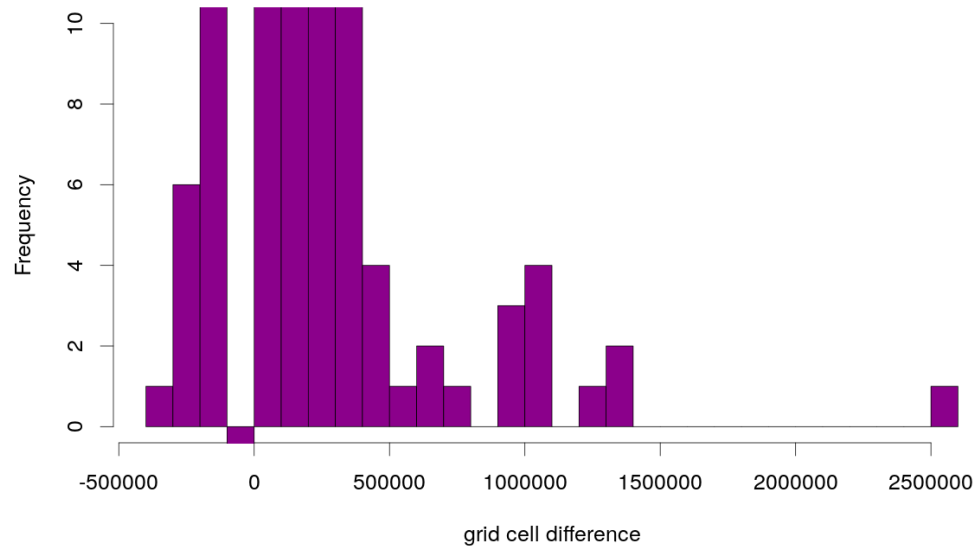
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 2.98038e+09 \\ \sum_x p_x^{(v3.3)} &= 2.98188e+09 \\ \sum_x \Delta_x &= 1.5004e+06 \\ \sum_x |\Delta_x| &= 8.55563e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000503426 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0287065 \\ \max_x \Delta_x &= 2.54349e+06 \\ \min_x \Delta_x &= -325244 \end{aligned}$$

Urban population, 2002**Urban population, 2002**

2001

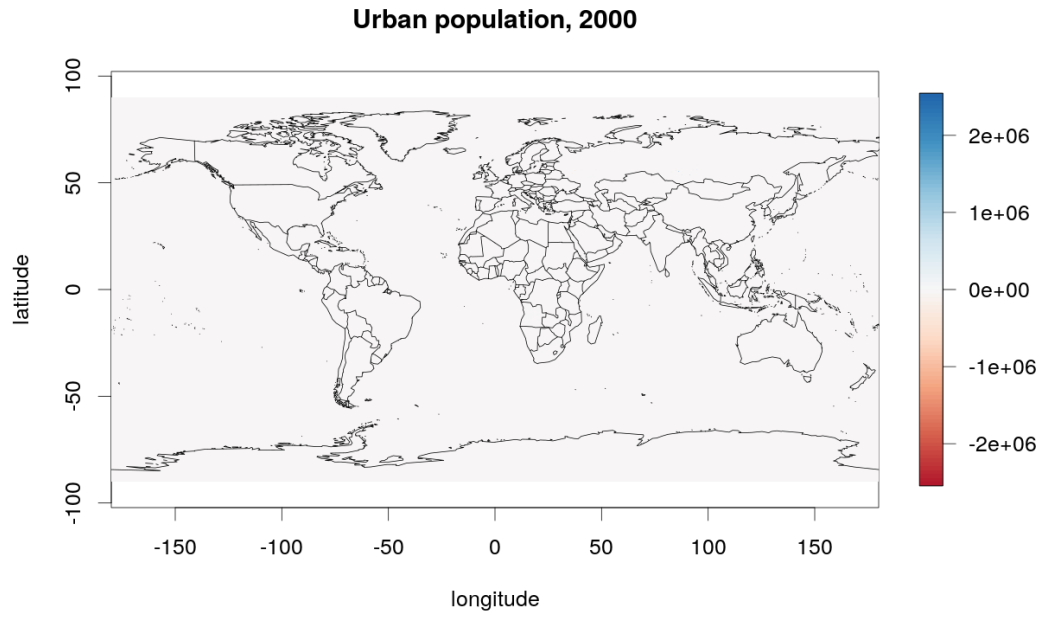


$$\begin{aligned}
 \sum_x p_x^{(v3.2.1)} &= 2.91884e+09 \\
 \sum_x p_x^{(v3.3)} &= 2.92043e+09 \\
 \sum_x \Delta_x &= 1.58599e+06 \\
 \sum_x |\Delta_x| &= 8.34491e+07 \\
 \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000543363 \\
 \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0285898 \\
 \max_x \Delta_x &= 2.53211e+06 \\
 \min_x \Delta_x &= -325078
 \end{aligned}$$

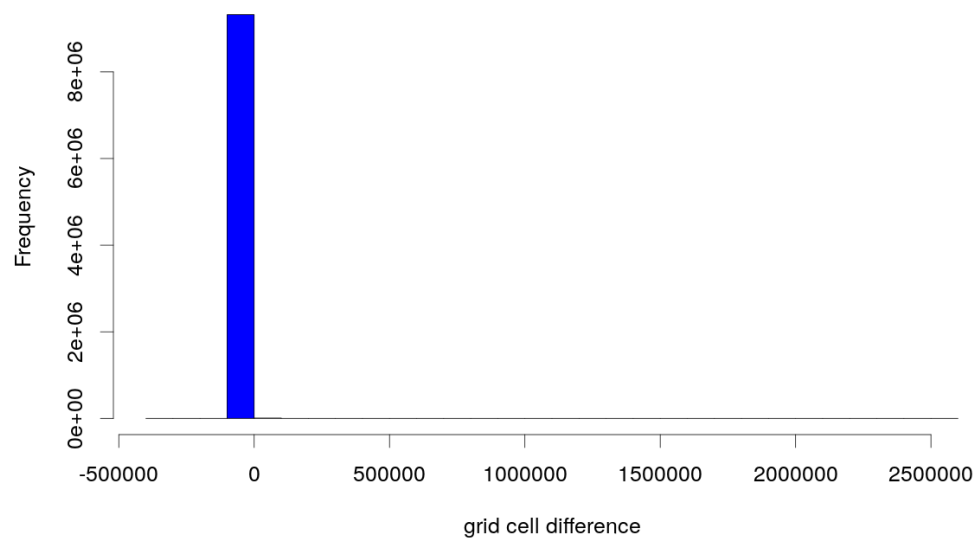
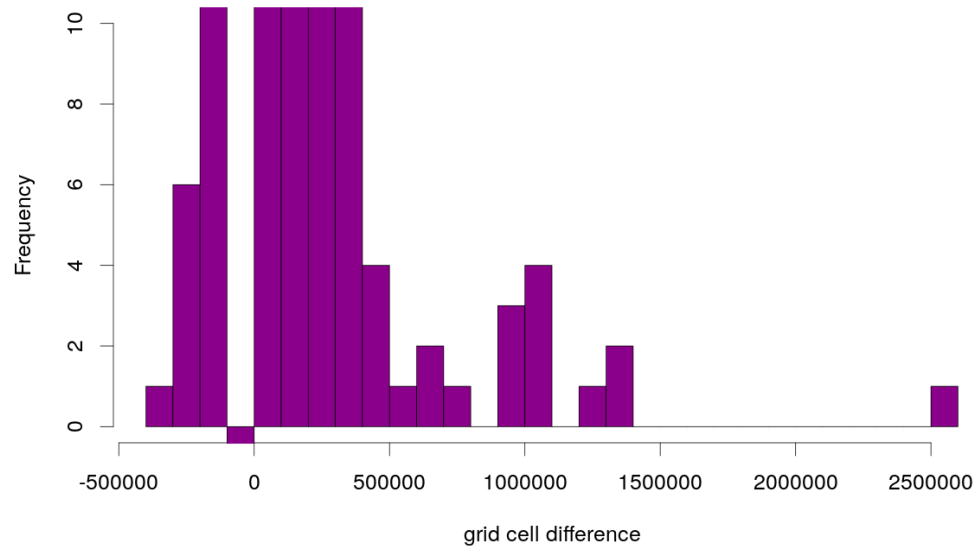
Urban population, 2001**Urban population, 2001**

186

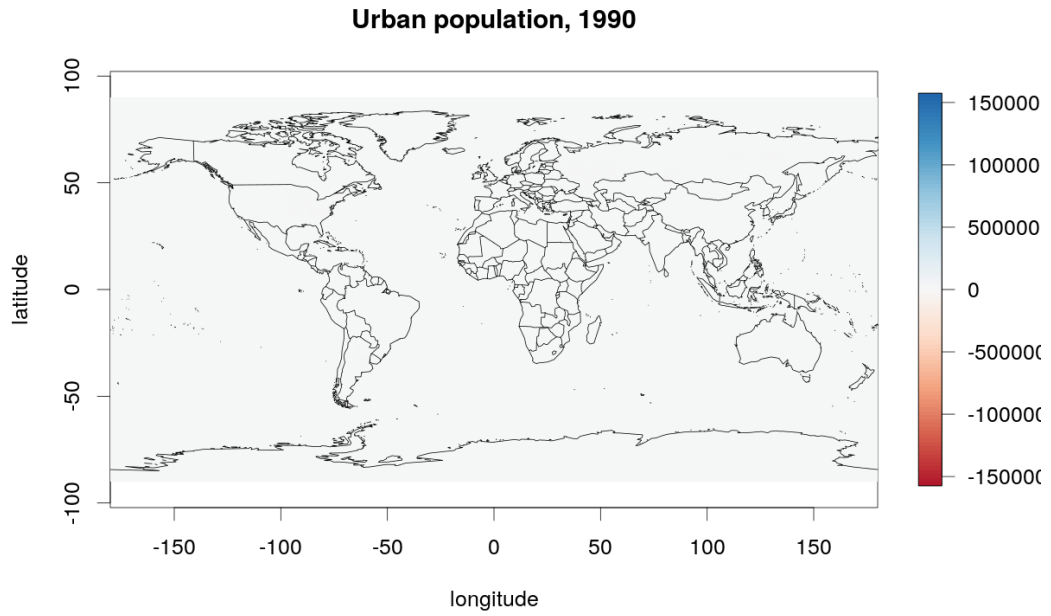
2000



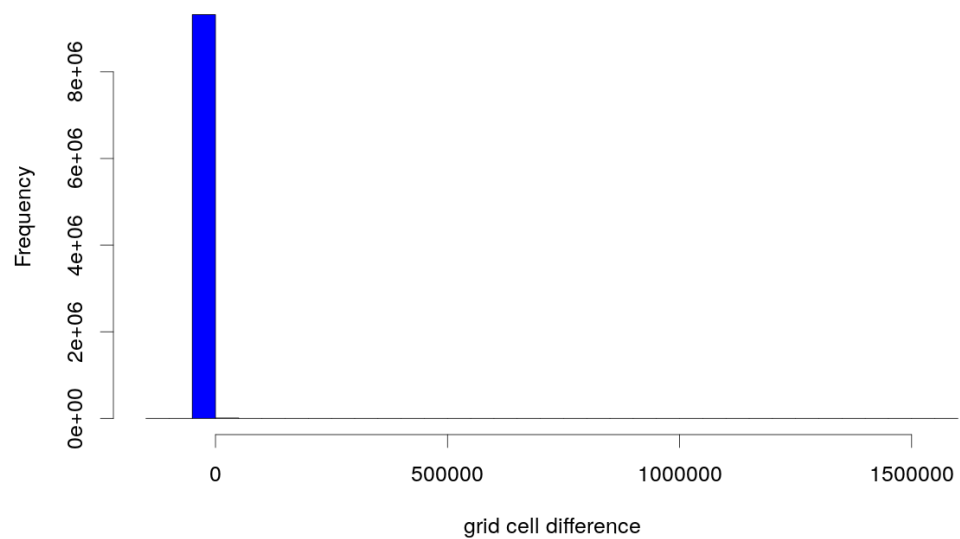
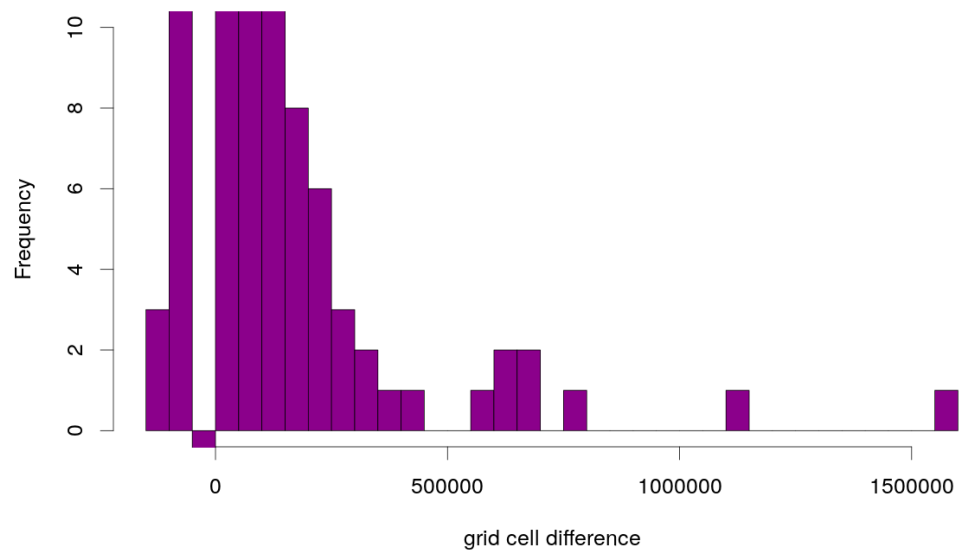
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 2.85793e+09 \\ \sum_x p_x^{(v3.3)} &= 2.85929e+09 \\ \sum_x \Delta_x &= 1.36178e+06 \\ \sum_x |\Delta_x| &= 8.27583e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= 0.000476492 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0289574 \\ \max_x \Delta_x &= 2.52065e+06 \\ \min_x \Delta_x &= -324906 \end{aligned}$$

Urban population, 2000**Urban population, 2000**

1990

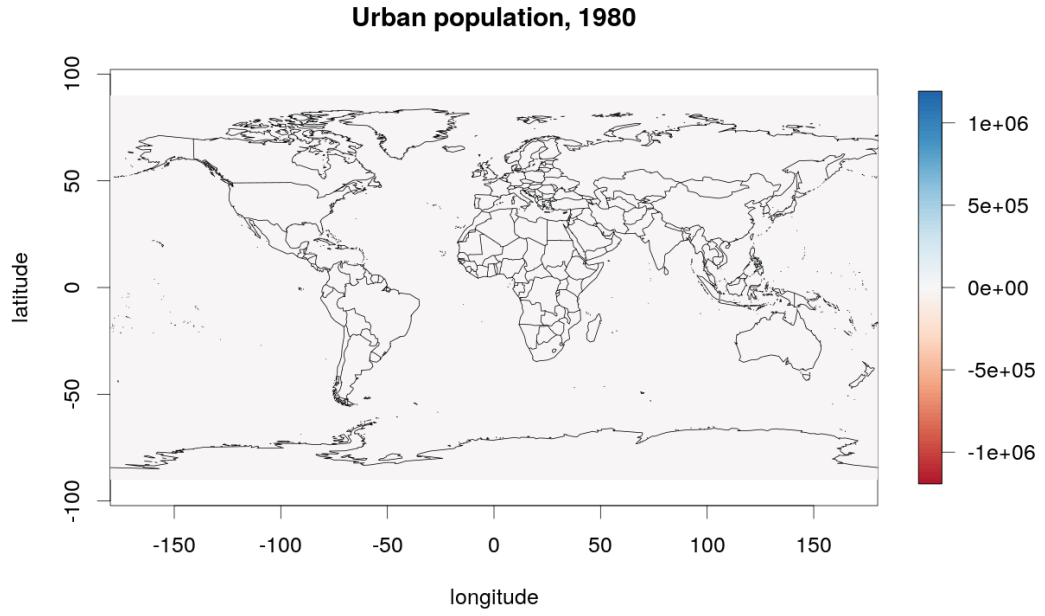


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 2.28054\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 2.27753\text{e}+09 \\ \sum_x \Delta_x &= -3.00656\text{e}+06 \\ \sum_x |\Delta_x| &= 4.35827\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00131835 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0191107 \\ \max_x \Delta_x &= 1.55859\text{e}+06 \\ \min_x \Delta_x &= -135920 \end{aligned}$$

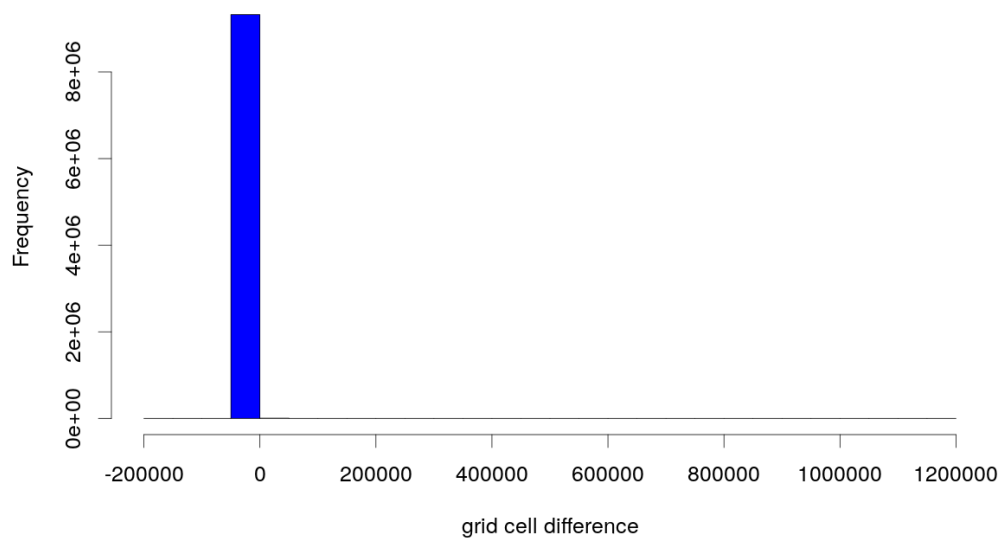
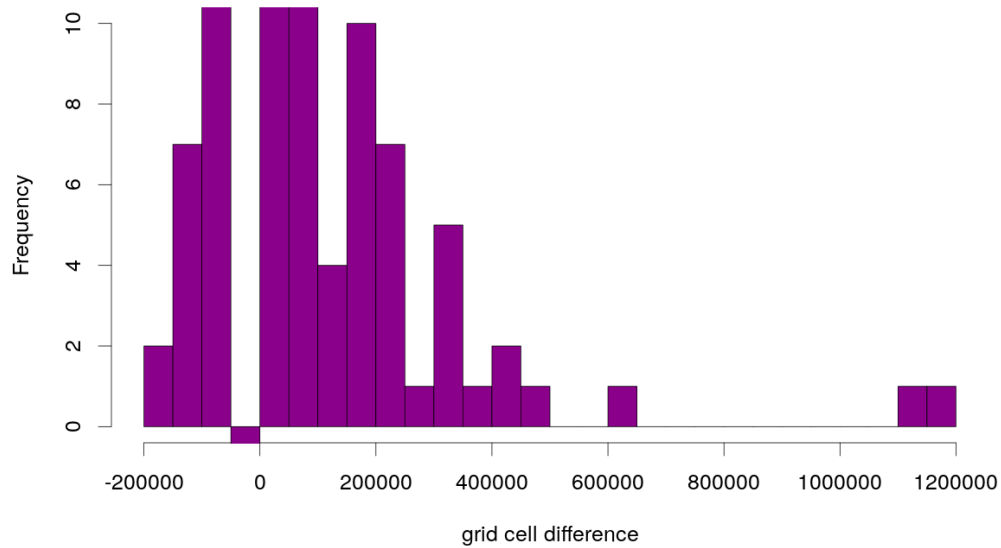
Urban population, 1990**Urban population, 1990**

190

1980

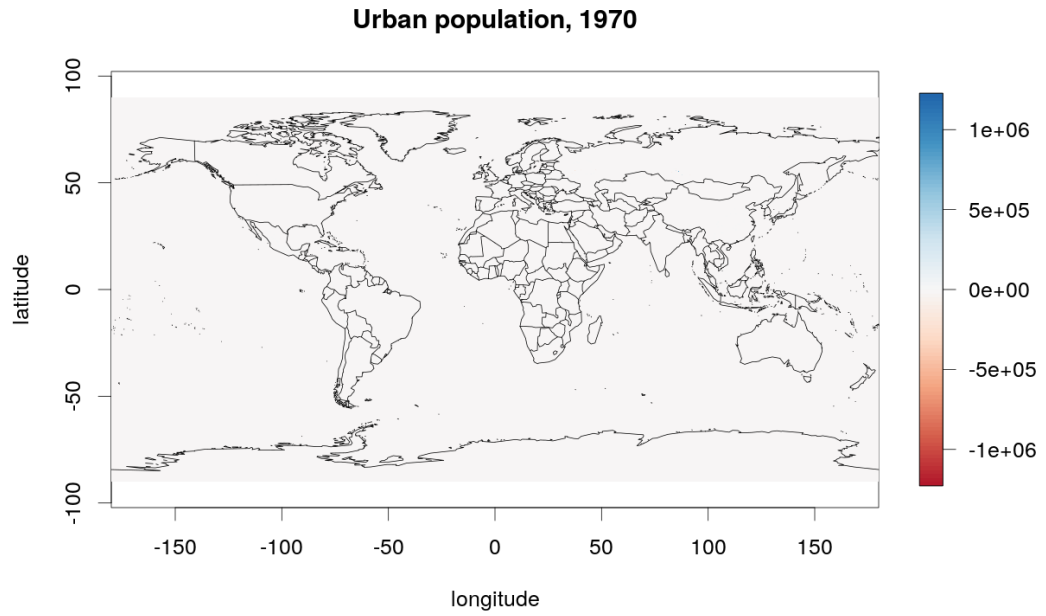


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.74347\text{e}+09 \\ \sum_x p_x^{(v3.3)} &= 1.7398\text{e}+09 \\ \sum_x \Delta_x &= -3.67041\text{e}+06 \\ \sum_x |\Delta_x| &= 4.41553\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00210523 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0253261 \\ \max_x \Delta_x &= 1.18035\text{e}+06 \\ \min_x \Delta_x &= -171458 \end{aligned}$$

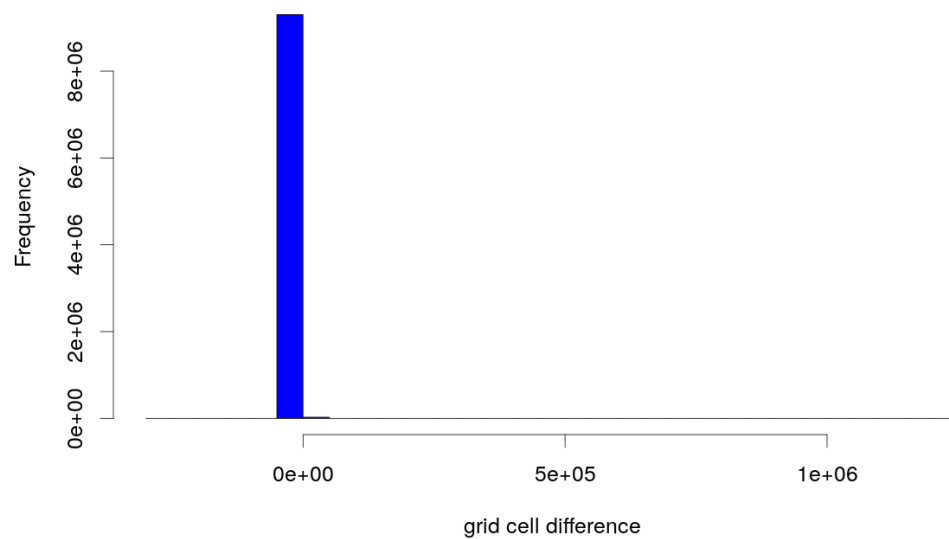
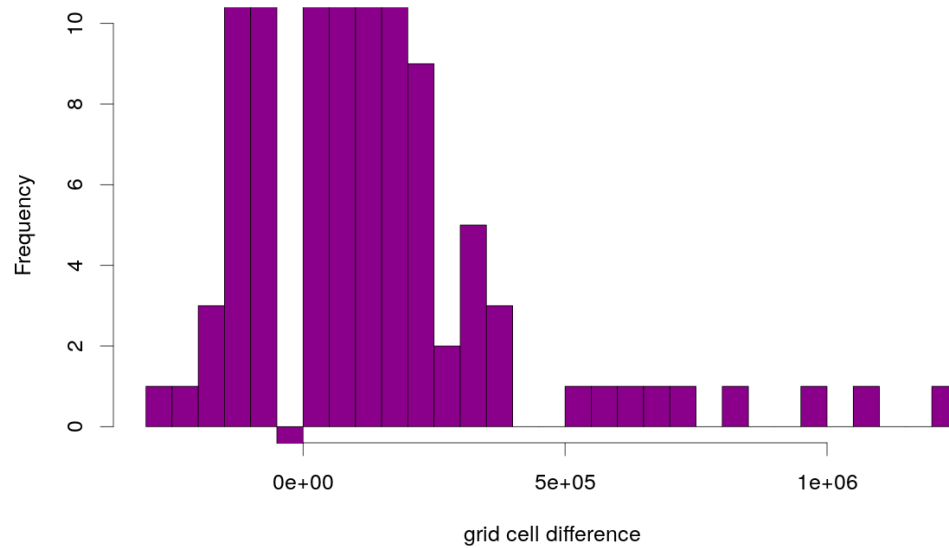
Urban population, 1980**Urban population, 1980**

192

1970

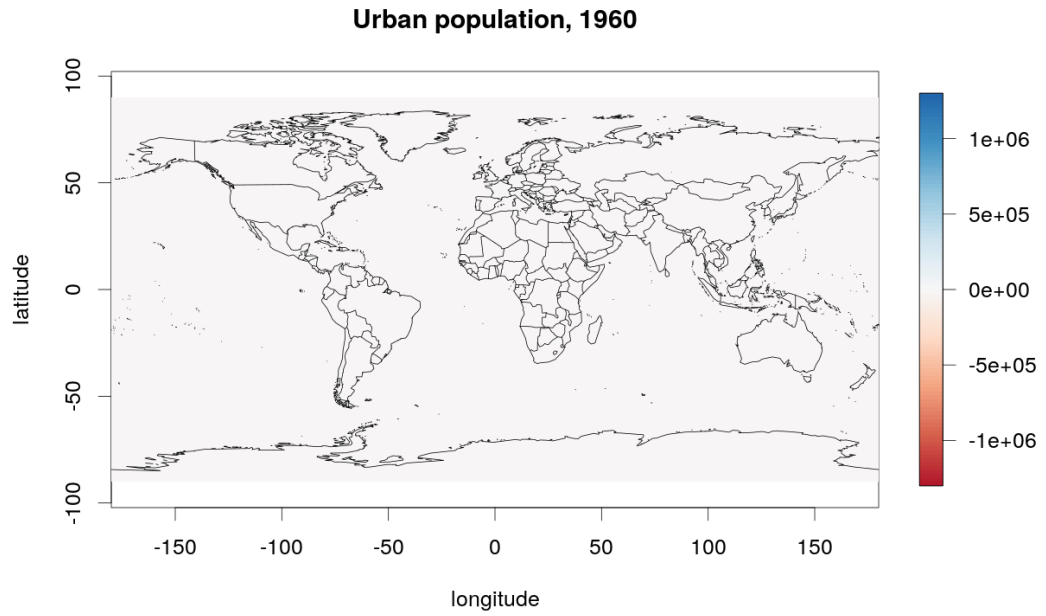


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.33413e+09 \\ \sum_x p_x^{(v3.3)} &= 1.3247e+09 \\ \sum_x \Delta_x &= -9.43294e+06 \\ \sum_x |\Delta_x| &= 7.97833e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00707048 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0598017 \\ \max_x \Delta_x &= 1.2154e+06 \\ \min_x \Delta_x &= -251637 \end{aligned}$$

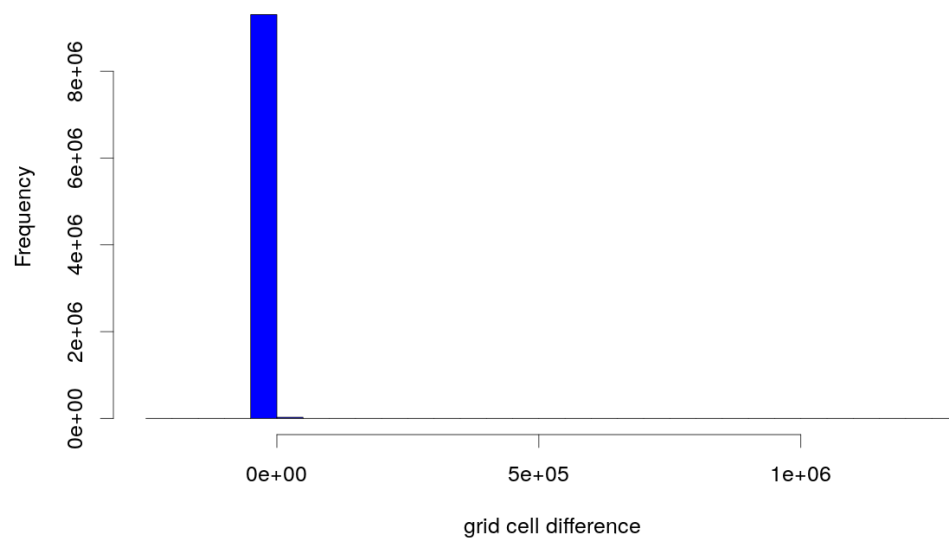
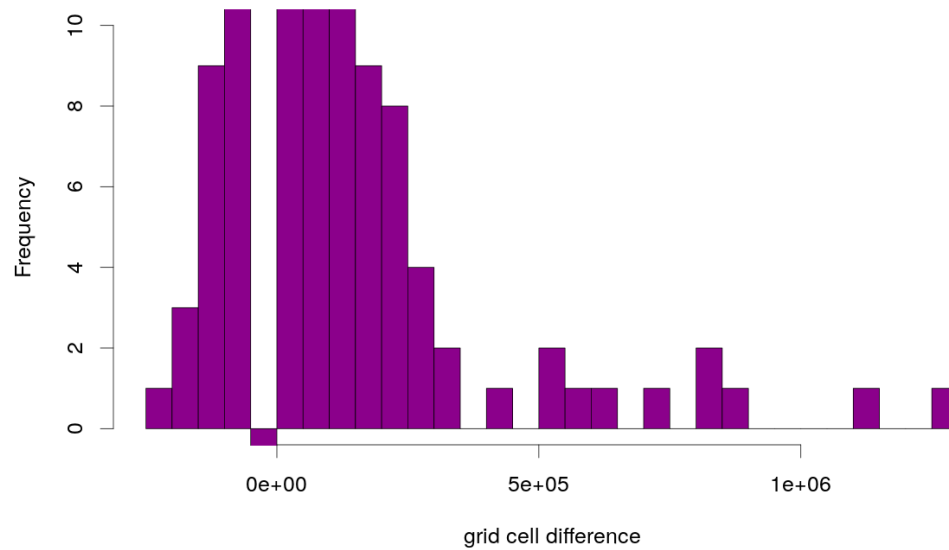
Urban population, 1970**Urban population, 1970**

194

1960

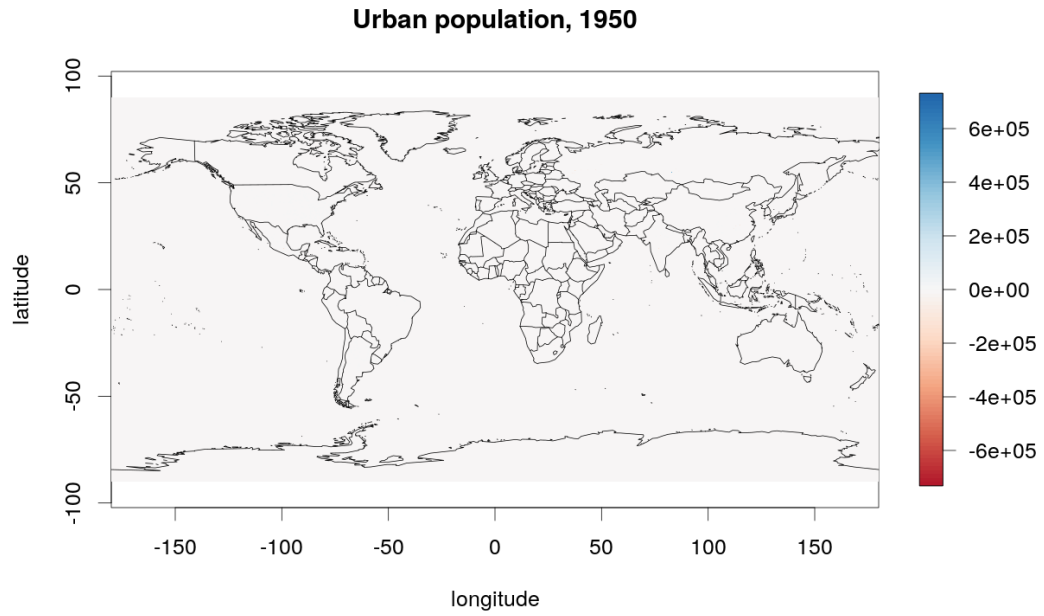


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 9.97637e+08 \\ \sum_x p_x^{(v3.3)} &= 9.90165e+08 \\ \sum_x \Delta_x &= -7.47247e+06 \\ \sum_x |\Delta_x| &= 6.45715e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.00749017 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.0647244 \\ \max_x \Delta_x &= 1.28762e+06 \\ \min_x \Delta_x &= -208091 \end{aligned}$$

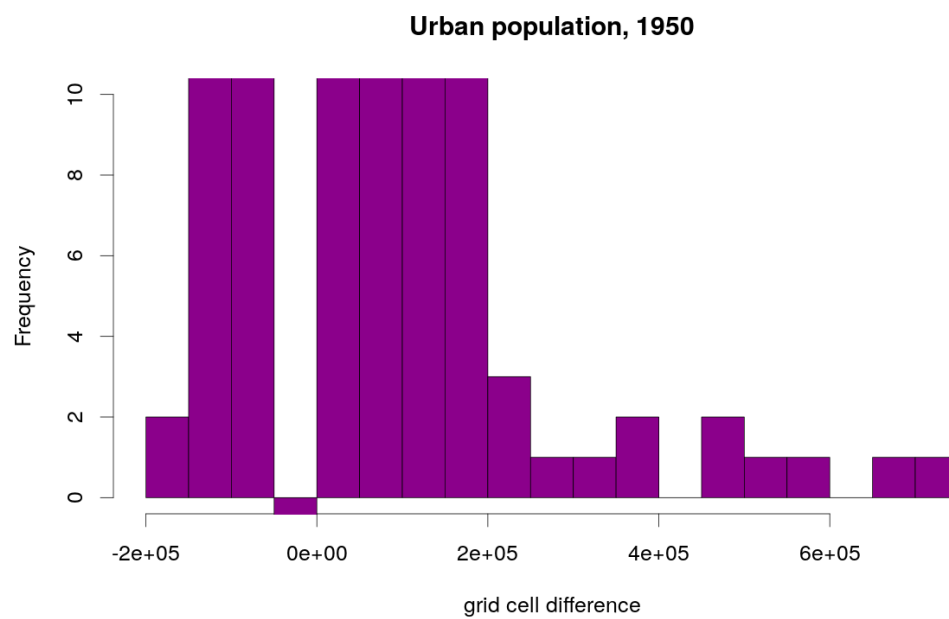
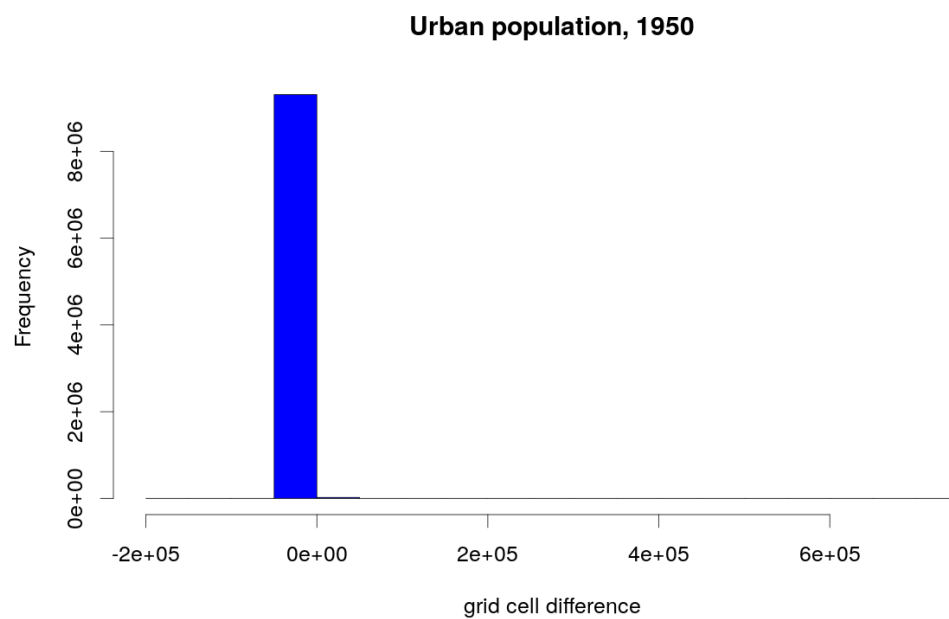
Urban population, 1960**Urban population, 1960**

196

1950

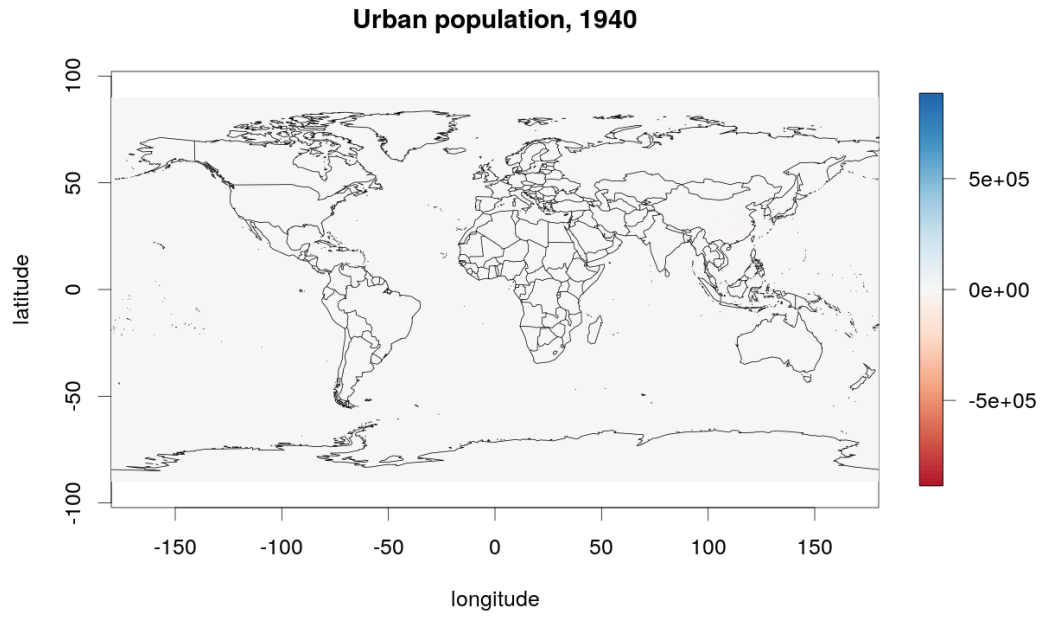


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 7.78789\text{e}+08 \\ \sum_x p_x^{(v3.3)} &= 7.35627\text{e}+08 \\ \sum_x \Delta_x &= -4.31624\text{e}+07 \\ \sum_x |\Delta_x| &= 8.02029\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.0554225 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.102984 \\ \max_x \Delta_x &= 724354 \\ \min_x \Delta_x &= -198284 \end{aligned}$$

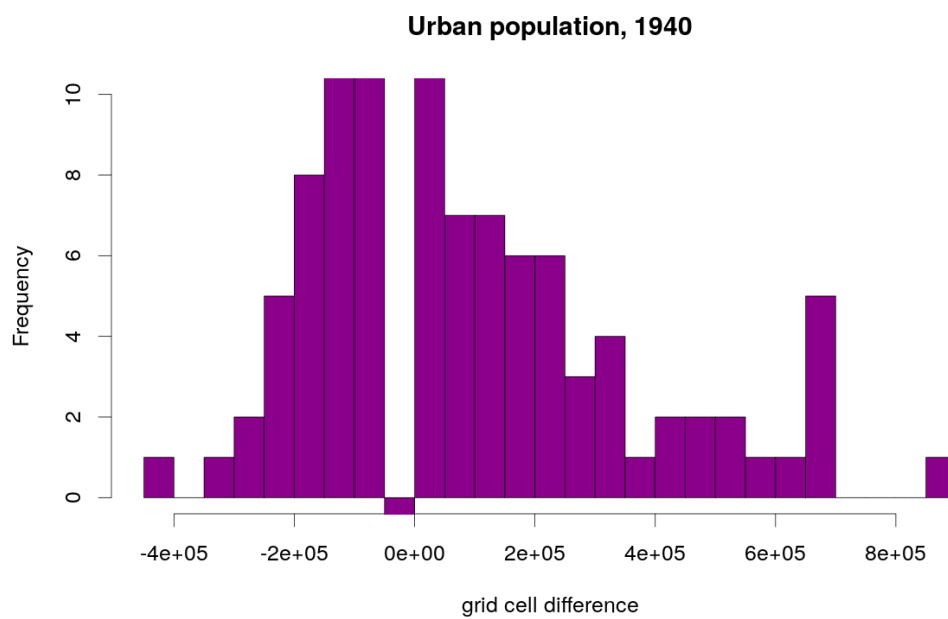
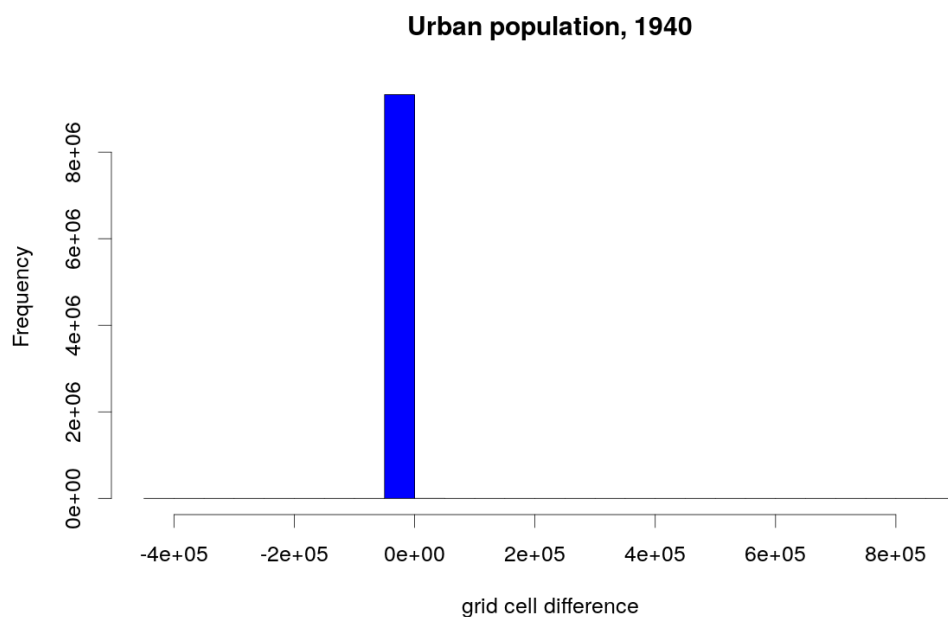


198

1940

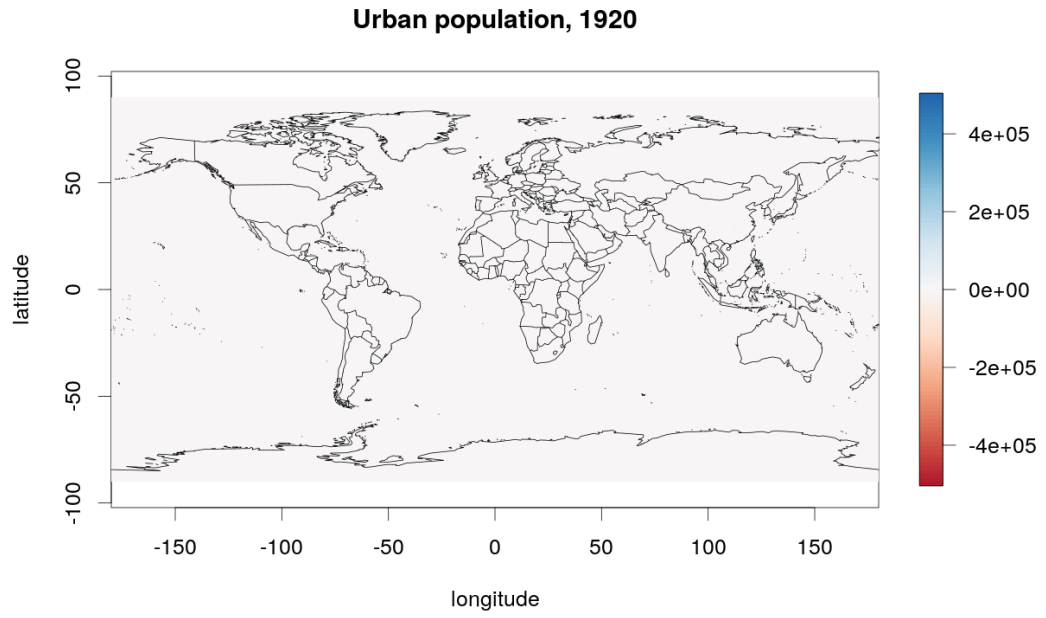


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 6.97169\text{e}+08 \\ \sum_x p_x^{(v3.3)} &= 5.87695\text{e}+08 \\ \sum_x \Delta_x &= -1.09474\text{e}+08 \\ \sum_x |\Delta_x| &= 1.40104\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.157026 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.200961 \\ \max_x \Delta_x &= 876256 \\ \min_x \Delta_x &= -444255 \end{aligned}$$

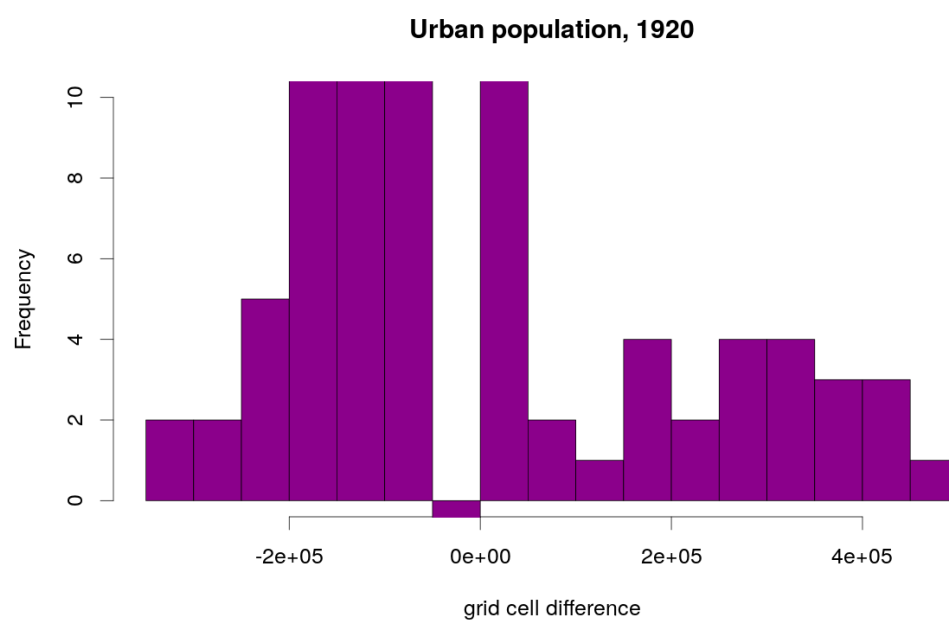
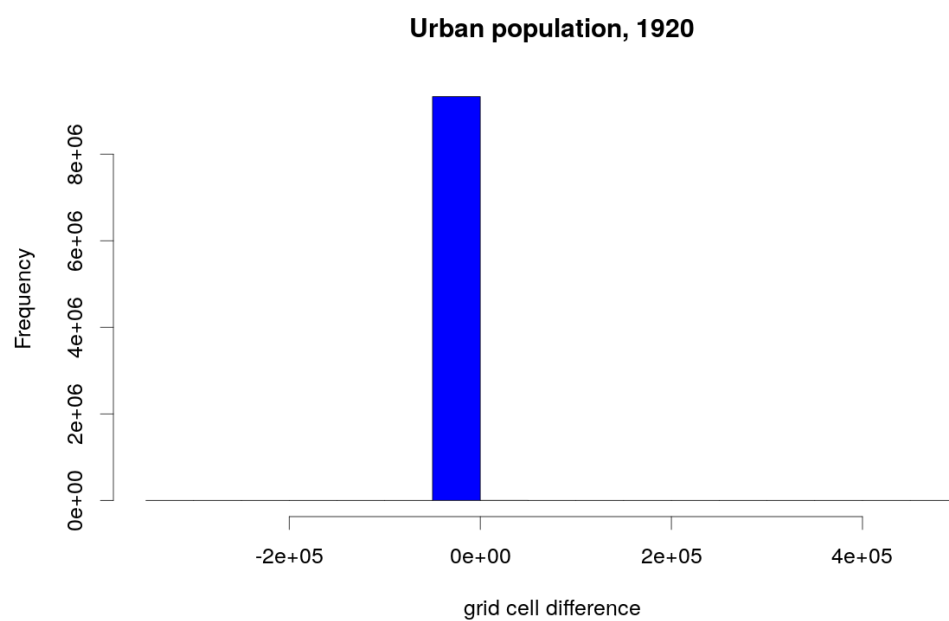


200

1920

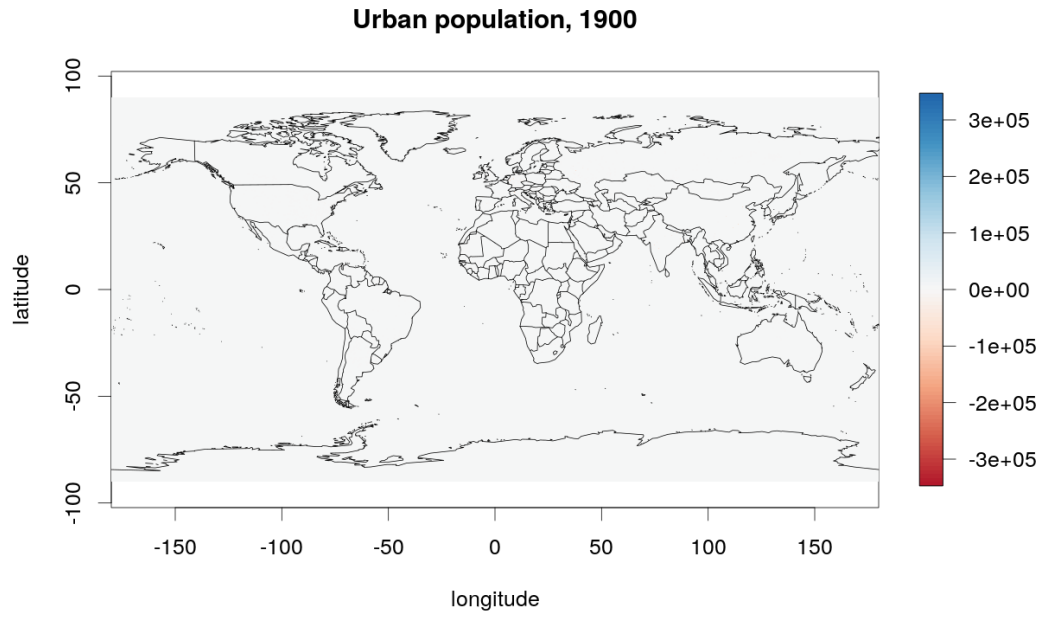


$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 5.59181e+08 \\ \sum_x p_x^{(v3.3)} &= 3.87489e+08 \\ \sum_x \Delta_x &= -1.71692e+08 \\ \sum_x |\Delta_x| &= 1.85804e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.307042 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.332279 \\ \max_x \Delta_x &= 499194 \\ \min_x \Delta_x &= -304320\end{aligned}$$

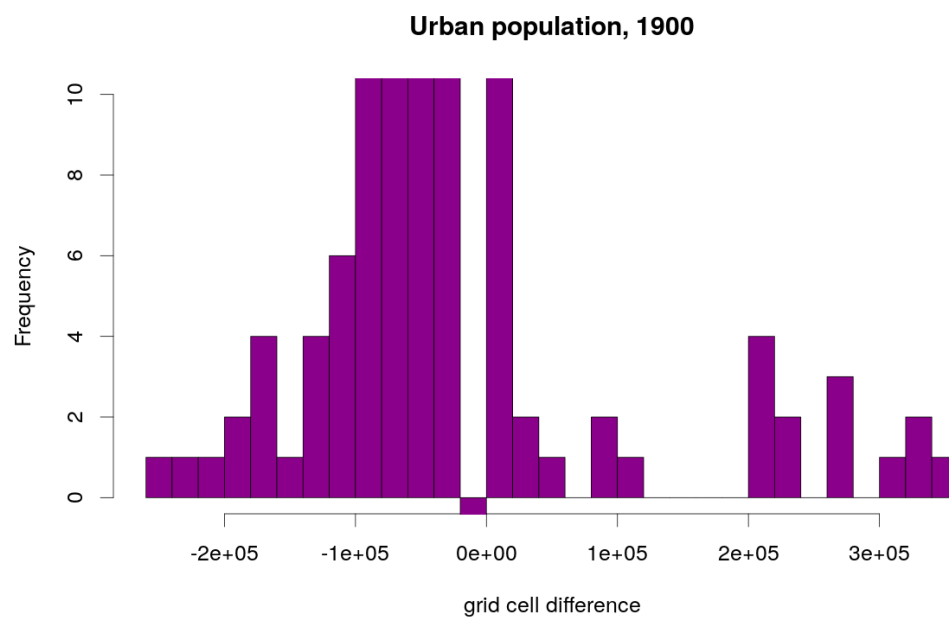
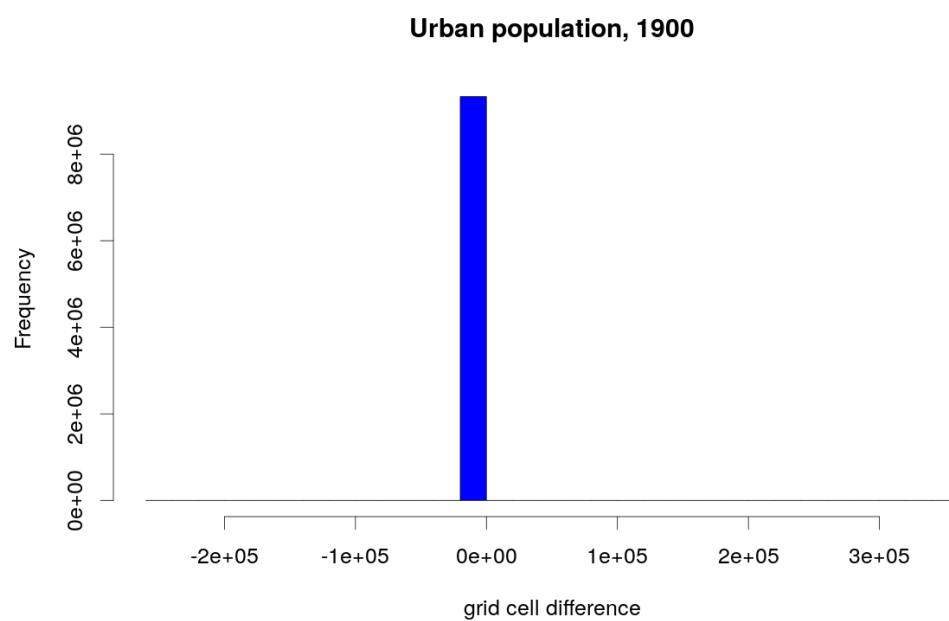


202

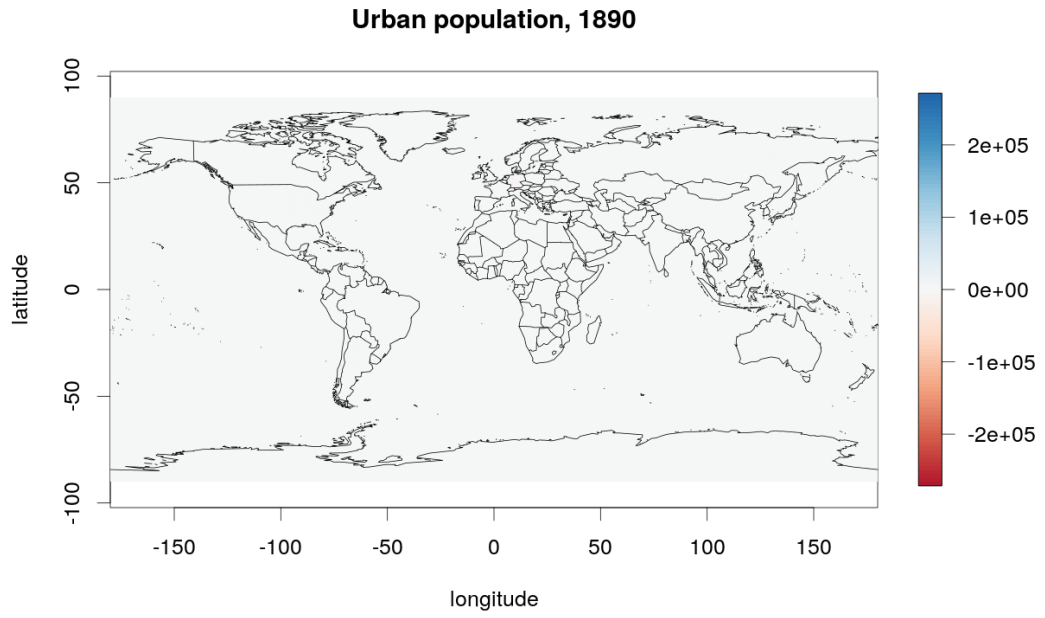
1900



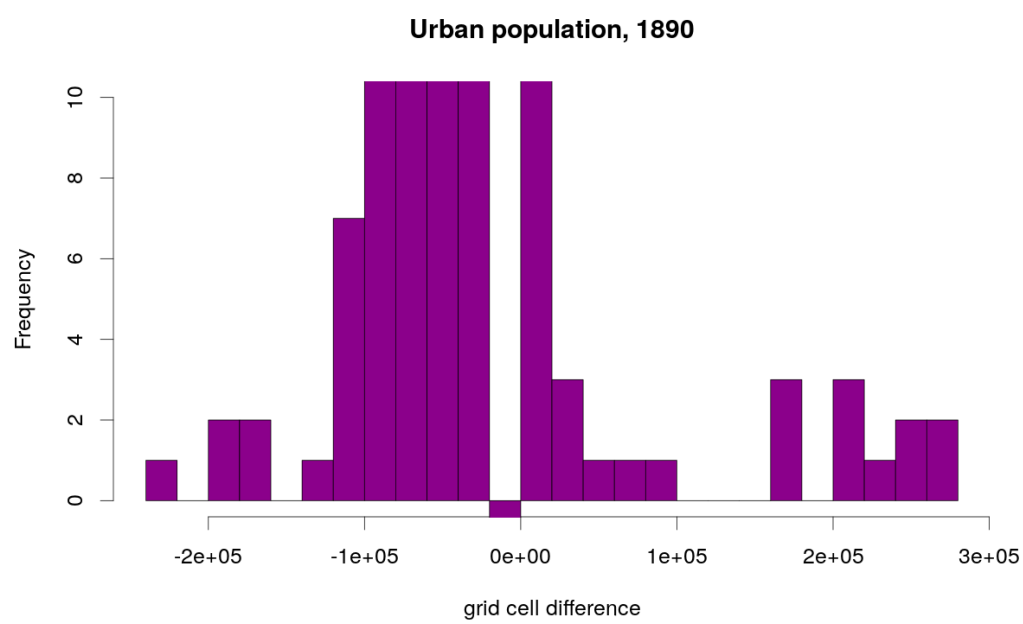
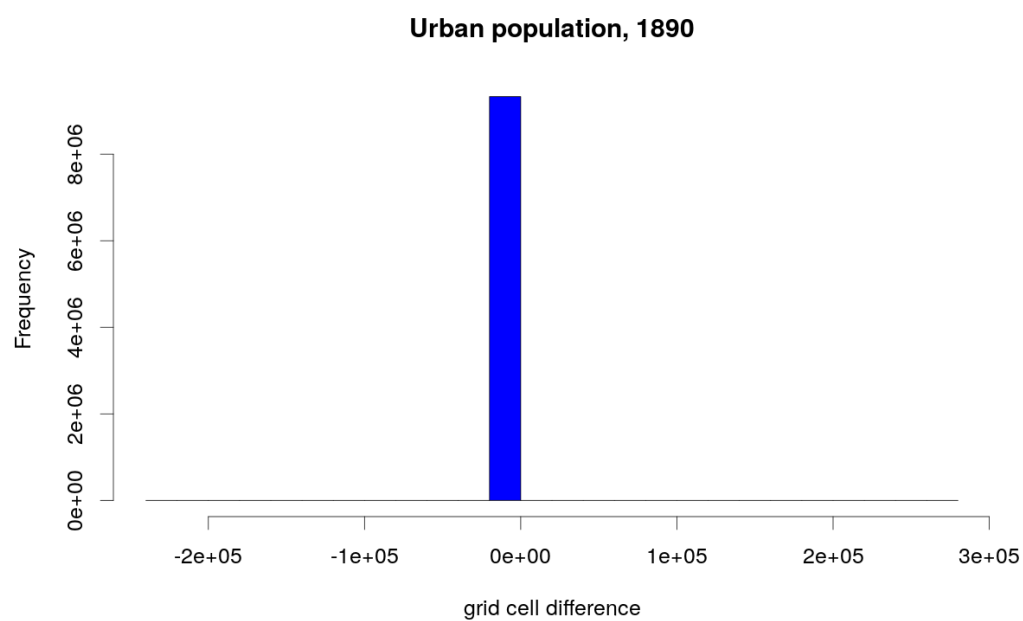
$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 3.96941\text{e}+08 \\ \sum_x p_x^{(v3.3)} &= 2.71389\text{e}+08 \\ \sum_x \Delta_x &= -1.25552\text{e}+08 \\ \sum_x |\Delta_x| &= 1.33406\text{e}+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.316299 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.336085 \\ \max_x \Delta_x &= 343675 \\ \min_x \Delta_x &= -249039\end{aligned}$$

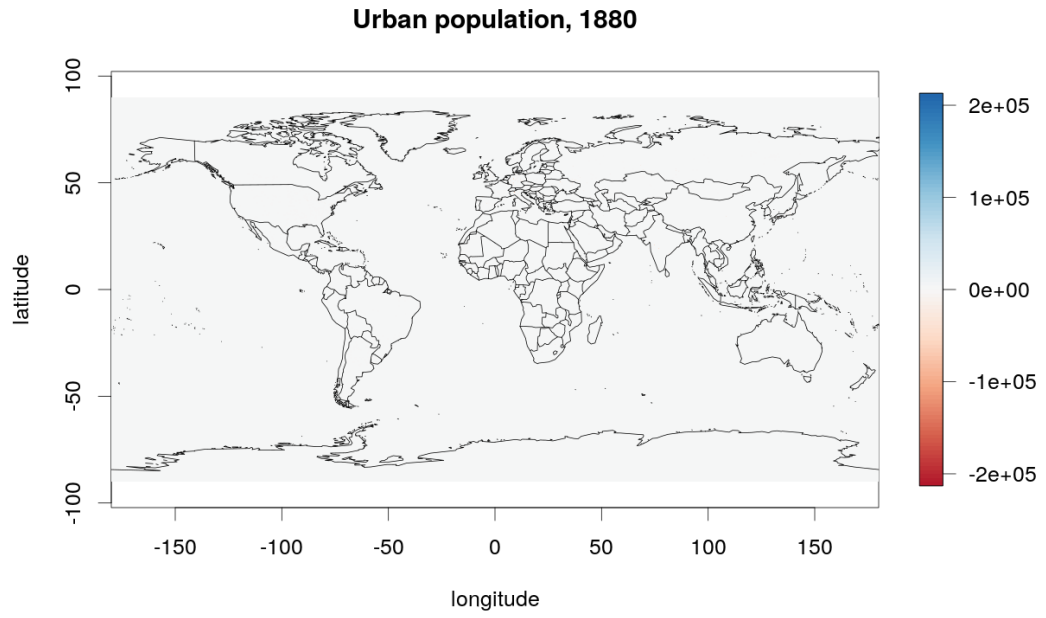


1890

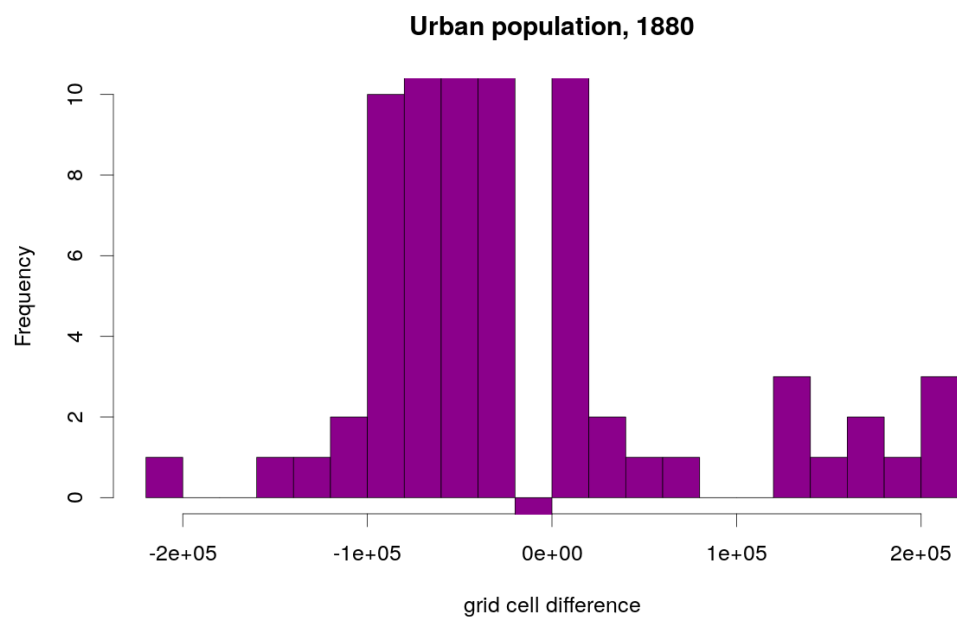
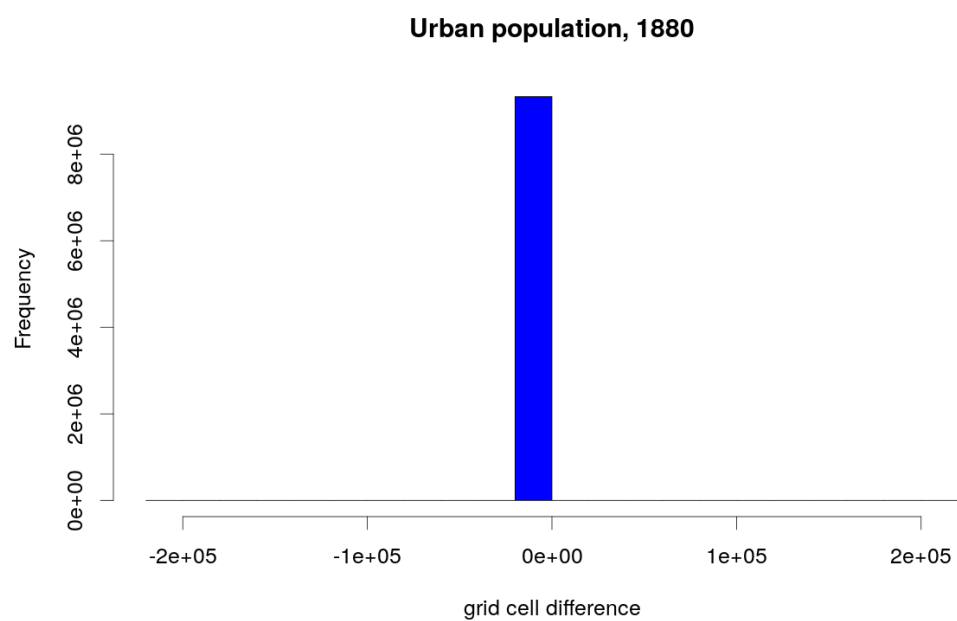


$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 3.22093e+08 \\ \sum_x p_x^{(v3.3)} &= 2.20023e+08 \\ \sum_x \Delta_x &= -1.0207e+08 \\ \sum_x |\Delta_x| &= 1.07648e+08 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.316896 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.334214 \\ \max_x \Delta_x &= 268720 \\ \min_x \Delta_x &= -223249 \end{aligned}$$

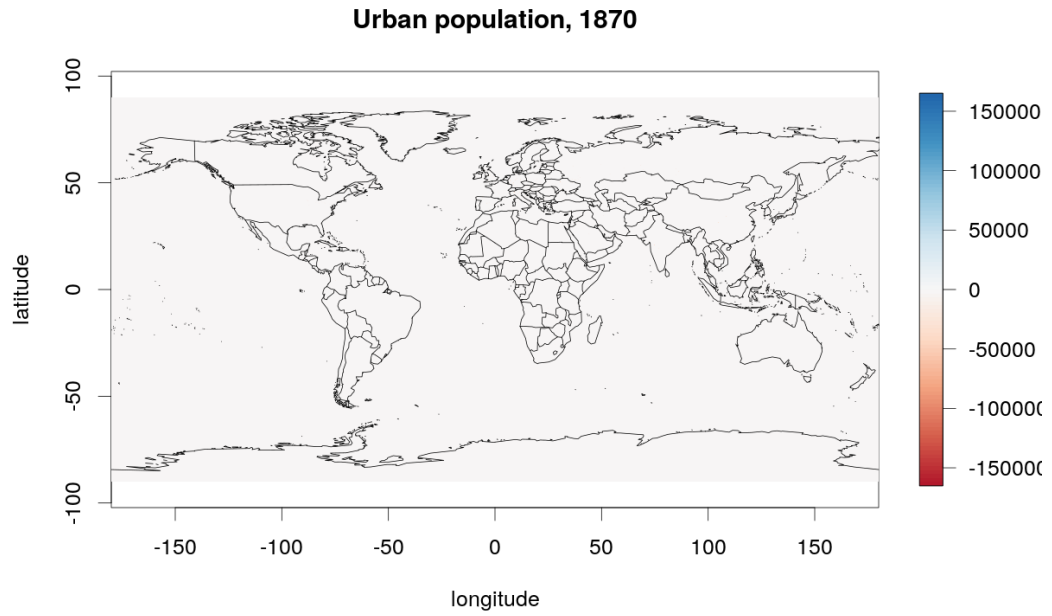


1880

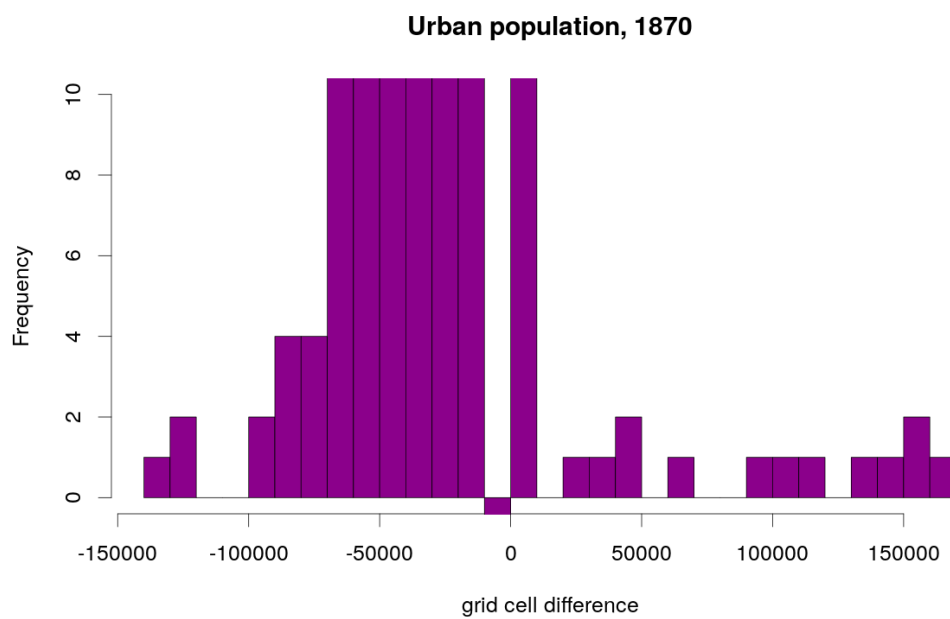
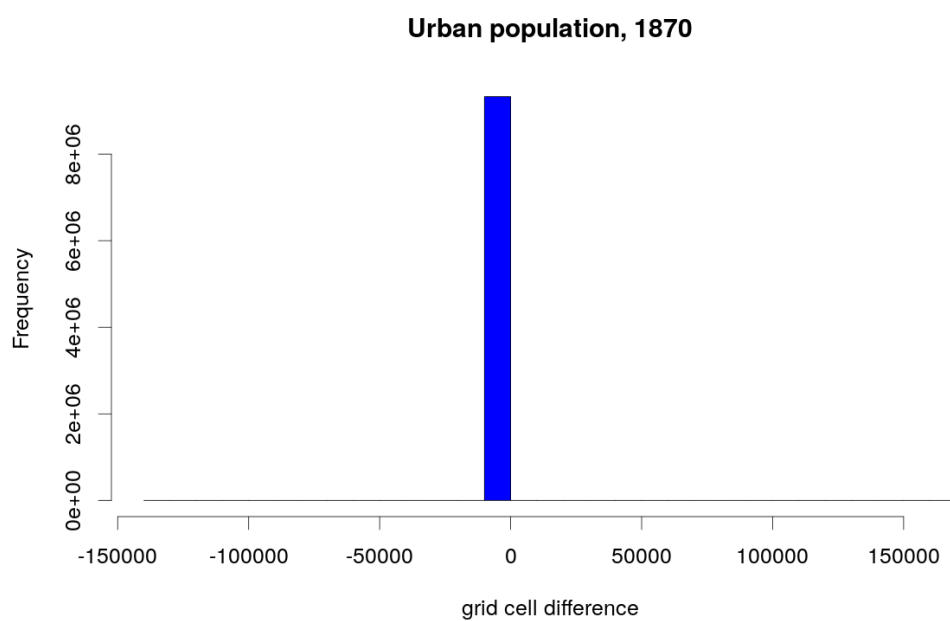
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 2.63474e+08 \\ \sum_x p_x^{(v3.3)} &= 1.81827e+08 \\ \sum_x \Delta_x &= -8.16464e+07 \\ \sum_x |\Delta_x| &= 8.55793e+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.309884 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.324811 \\ \max_x \Delta_x &= 207911 \\ \min_x \Delta_x &= -210850 \end{aligned}$$



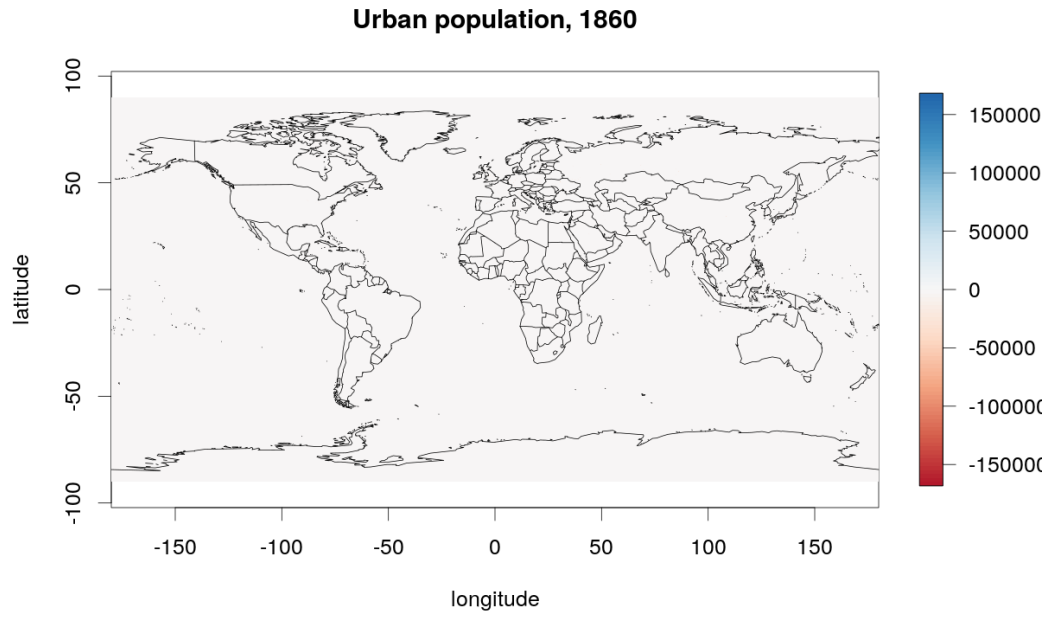
1870



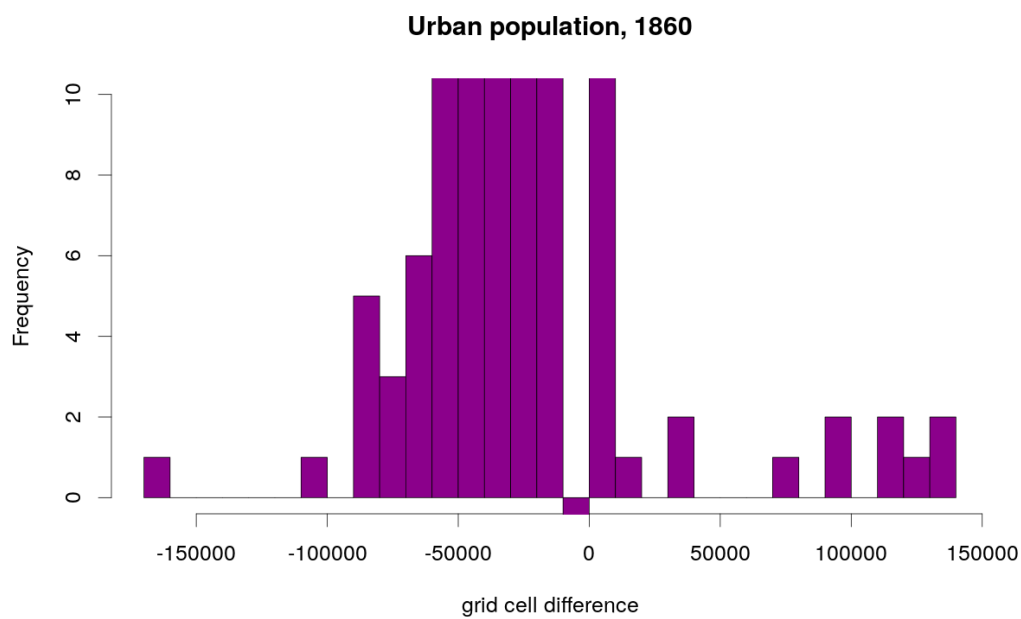
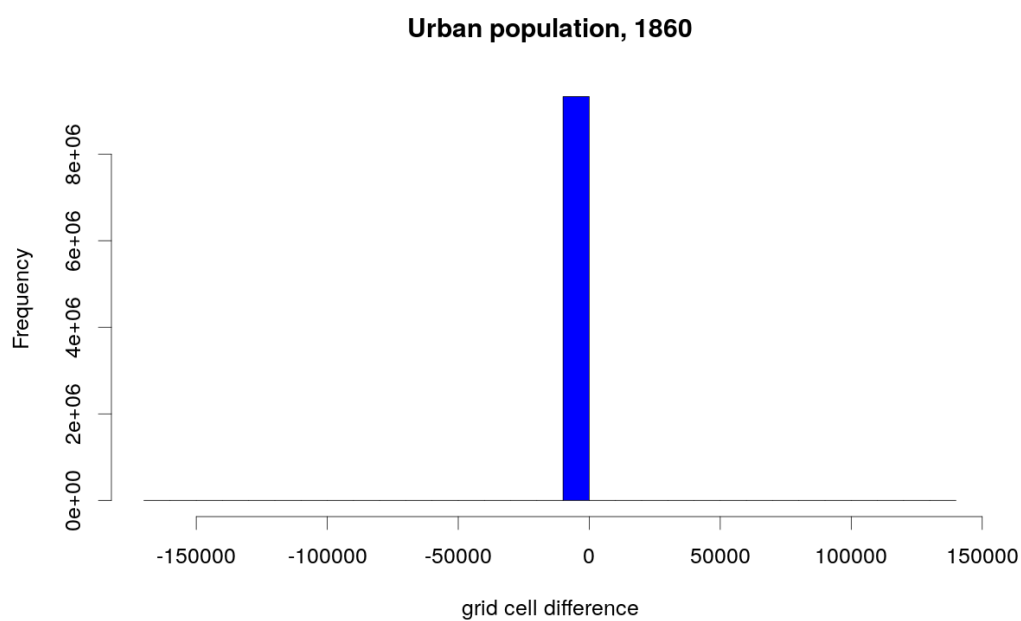
$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 2.18988\text{e}+08 \\ \sum_x p_x^{(v3.3)} &= 1.56128\text{e}+08 \\ \sum_x \Delta_x &= -6.28597\text{e}+07 \\ \sum_x |\Delta_x| &= 6.56159\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.287046 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.299632 \\ \max_x \Delta_x &= 163469 \\ \min_x \Delta_x &= -133270 \end{aligned}$$



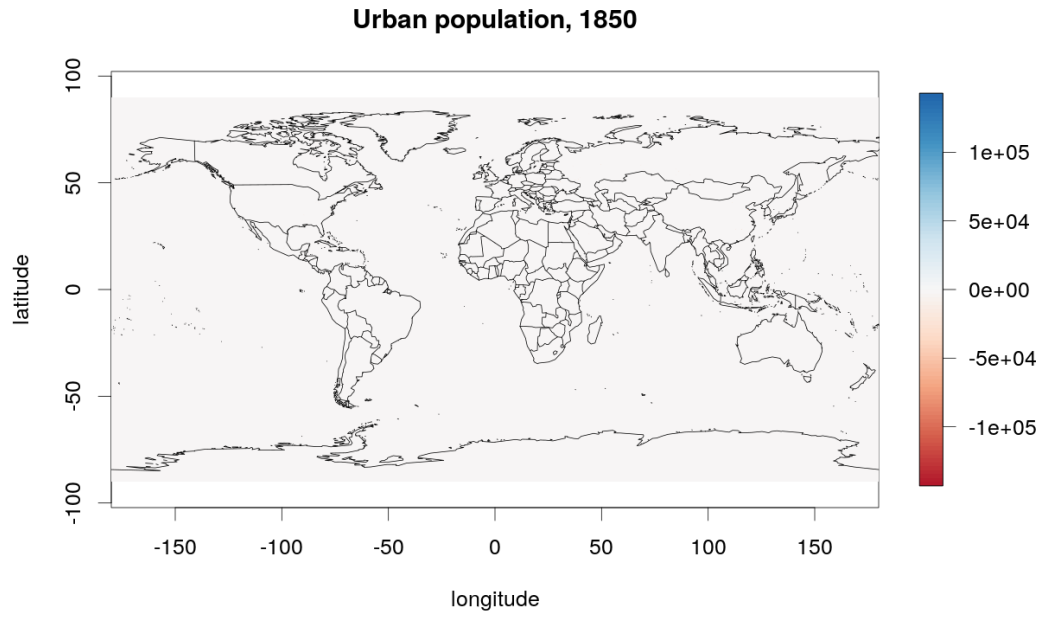
1860



$$\begin{aligned}\sum_x p_x^{(v3.2.1)} &= 1.94165\text{e}+08 \\ \sum_x p_x^{(v3.3)} &= 1.43298\text{e}+08 \\ \sum_x \Delta_x &= -5.08663\text{e}+07 \\ \sum_x |\Delta_x| &= 5.29515\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.261975 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.272714 \\ \max_x \Delta_x &= 136229 \\ \min_x \Delta_x &= -166572\end{aligned}$$



1850



$$\begin{aligned} \sum_x p_x^{(v3.2.1)} &= 1.61942\text{e}+08 \\ \sum_x p_x^{(v3.3)} &= 1.29892\text{e}+08 \\ \sum_x \Delta_x &= -3.20502\text{e}+07 \\ \sum_x |\Delta_x| &= 3.81588\text{e}+07 \\ \sum_x \Delta_x / \sum_x p_x^{(v3.2.1)} &= -0.197912 \\ \sum_x |\Delta_x| / \sum_x p_x^{(v3.2.1)} &= 0.235633 \\ \max_x \Delta_x &= 106852 \\ \min_x \Delta_x &= -141584 \end{aligned}$$

