

Week-by-Week Changes in London Population Density of Facebook Users During over the last 4 weeks (13th June - 8th July 2020)

Contents

This documents offers a summary of week-by-week changes in London Population Density of Facebook users during the period June 13th - July 8th.

In the figures below, we show the percentage difference in tile density compared to the same time period pre-lockdown (week commencing March 10th). This was taken using Facebooks Data for Good, produced in order to aid crisis managenent. We took measurements of the number of Facebook users within a given area during a specified time period. The population density is calculated within an area of 600m x 600m. Additionally the data is split into three time periods, these are between: 00:00 - 08:00, 08:00 - 16:00, and 16:00 - 00:00. In order to maintain the privacy of Facebook users, tiles with a population lower than 10 have been removed.

For each week we have included data on the Wednesday (weekday) and Saturday (weekend). This is as density patterns are likely to vary between weekend and weekday. Additionally no public holidays fall on these days, which could impact density patterns.

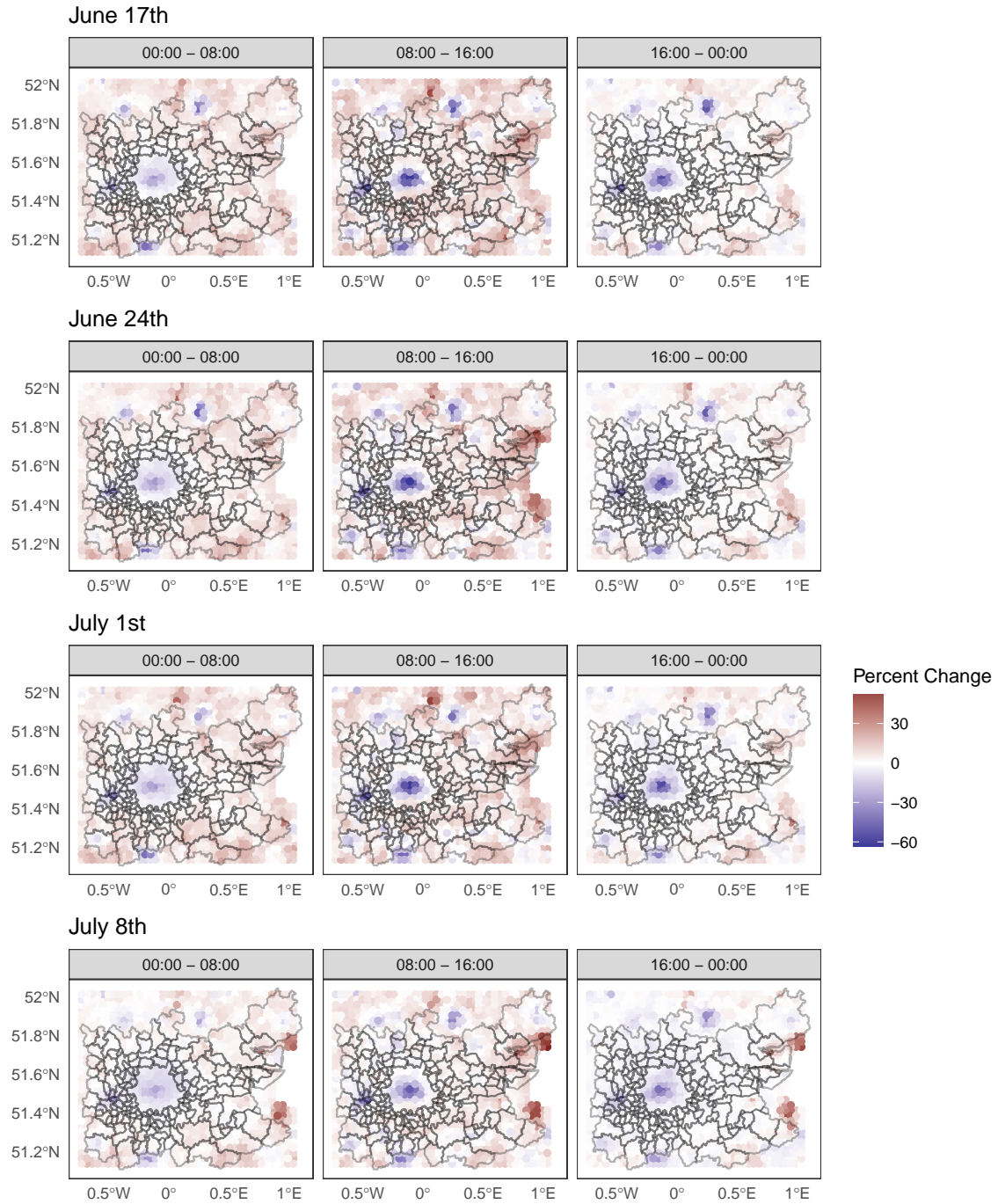


Figure 1: London Weekly Population Density Changes (Weekday)

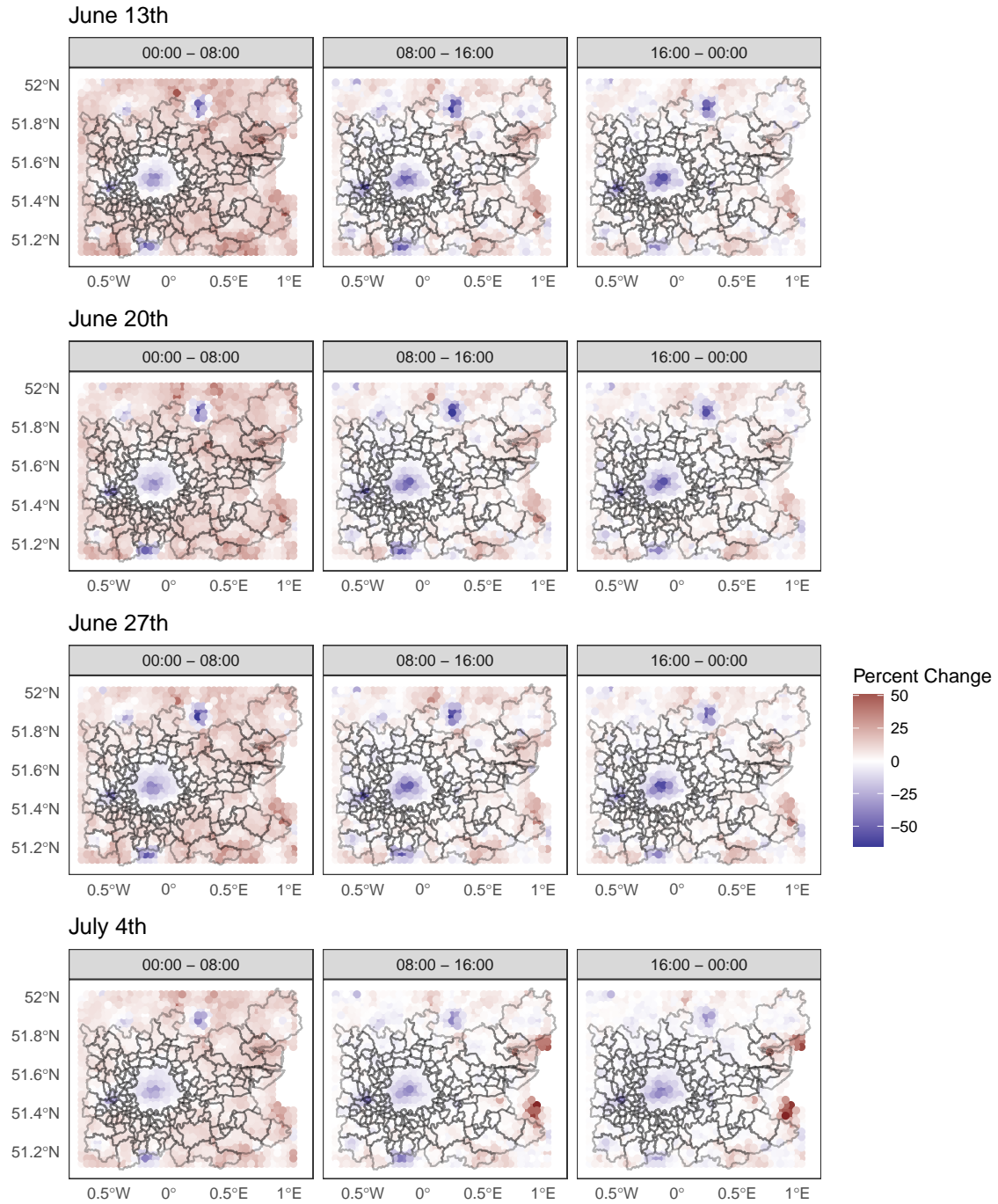


Figure 2: London Weekly Population Density Changes (Weekend)