

README-for-details-on-data-distribution

This data distribution should be cited as:

Morgan, Stephen L., Pally, Joel A., Baltimore Police Department. (2016): Data and code for the report, "Ferguson, Gray, and Davis: An Analysis of Recorded Crime Incidents and Arrests in Baltimore City, March 2010 through December 2015". Johns Hopkins University Data Archive. Dataset.
<http://dx.doi.org/10.7281/T1J10120>

The compressed file contains the following items (in addition to this document):

1. The March 2015 report, "Ferguson, Gray, and Davis: An Analysis of Recorded Crime Incidents and Arrests in Baltimore City, March 2010 through December 2015," and its three associated appendices. These files are named:

MorganPally2016.pdf
MorganPally2016Appendix1.pdf
MorganPally2016Appendix2.pdf
MorganPally2016Appendix3.pdf

2. Two raw data files produced by the Baltimore Police Department, in comma separated (.csv) format, that we downloaded from the Open Baltimore data portal on February 3, 2016. These files contain records for individual crime incidents and arrests, ordered by date. These files are named:

crimes.original.csv
arrests.original.csv

3. A data file, in comma separated (.csv) format, that contains daily values for the seasonal adjustment variables depicted in Figure 2 of the main report (see page 19), along with corresponding dates. This file is the "backbone" that we developed to subsequently structure weekly data records for analysis. The main report provides sources for the seasonal adjustment variables (see pages 18-19). This file is named:

backbone.csv

4. Two files, in comma separated (.csv) format, that contain all of the data analyzed for the comprehensive Appendices 2 and 3, from which the main results of the report were taken. These files contain weekly data records for crime and arrest totals, by type, along with dates for each week and the weekly values for the seasonal adjustment variables depicted in Figure 2 of the main report (see page 19). These files are named:

crimes.type.week.csv
arrests.type.week.csv

(At a future date, we intend to distribute the R analysis code that generates these two files from the records in the data files crimes.original.csv, arrests.original.csv, and backbone.csv. For now, users of this data distribution can check crimes.type.week.csv and arrests.type.week.csv against the raw data provided in crimes.original.csv, arrests.original.csv, and backbone.csv in order to assess/verify our construction of the analysis files.)

5. An R project folder “open_bpd” that contains analysis code to produce all of the results in Appendices 2 and 3, using R through RStudio (and LaTeX through the knitr package). The folder also contains a separate README file that explains its contents, as well as a skeletal explanation of how to run the files to reproduce Appendices 2 and 3.