Data Guide

This document provides overview of the data available for sections in “The Study of Crime and Place: A Methods Handbook” by Groff & Haberman.

Data were downloaded from <https://opendata.dc.gov/>

The data were cleaned to meet the anticipated needs to this book. While these represent “real” data, we cannot make any guarantees about their reliability or validity and only recommend usage for educational purposes with this book.

The following shapefiles are available.

All shapefiles are in the projected system NAD 1983 State Plane Maryland FIPS 1900 Feet.

1. A shapefile containing 2016 crime incidents in Washington DC (N = 31,171) with the following variables:
   1. **CCN**: Original unique identifier
   2. **METHOD**: Modus operandi information
   3. **OFFENSE**: Crime type
   4. **BLOCK**: 100 block location of offense
   5. **DISTRICT**: Police district
   6. **PSA**: Police Service Area
   7. **FROM\_DATE**: First date of offense
   8. **TO\_DATE**: Last date of offense
   9. **FROM\_TIME**: First time of offense
   10. **TO\_TIME**: Last time of offense
   11. **YEAR**: Year offense occurred
   12. **GEOID**: US Census Block Short Unique Identifier
   13. **ID**: US Census Block Long Unique Identifier
   14. **XCOORD**: X-coordinate of incident
   15. **YCOORD**: Y-coordinate of incident
2. A shapefile of census blocks titled *wash\_dc\_block\_groups.shp* (N = 450) with the following variables:
   1. **GEOID**: US Census unique identifier
   2. **ID**: US Census long-version unique identifier
   3. **crime2008**: Total crime count for 2008
   4. **crime2009**: Total crime count for 2009
   5. **crime2010**: Total crime count for 2010
   6. **crime2011**: Total crime count for 2011
   7. **crime2012**: Total crime count for 2012
   8. **crime2013**: Total crime count for 2013
   9. **crime2014**: Total crime count for 2014
   10. **crime2015**: Total crime count for 2015
   11. **crime2016**: Total crime count for 2016
   12. **crime2017**: Total crime count for 2017
   13. **crime2018**: Total crime count for 2018
   14. **tot\_pop**: US Census population count
   15. **white**: US Census non-Hispanic, white population count
   16. **black**: US Census non-Hispanic, black population count
   17. **hispanic**: US Census Hispanic population count
   18. **asian**: US Census Asian population count
   19. **other**: US Census all other races population count
   20. **race\_het**: 1 minus the sum of the squared proportions of the white, black, Hispanic, Asian, and other racial groups
   21. **p\_pov**: Percentage of residents living in poverty
   22. **med\_hh\_inc**: Median household income
   23. **p\_move**: Percentage of population who moved in the past year
   24. **gas**: Count of gas stations
   25. **restaurant**: Count of restaurants
   26. **pawn**: Count of pawn shops
   27. **Shape\_Leng**: Perimeter in feet
   28. **Shape\_Area**: Area in square feet
3. A shapefile of street segments titled *street\_centerlines.shp* (N = 34,061). Because these data were not edited, meta-data can be found here:

<https://www.arcgis.com/sharing/rest/content/items/23246020d6894453bdfcee00956df818/info/metadata/metadata.xml?format=default&output=html>