**Code Book for Exploratory Analysis Week4 Project**

Data

The data for this assignment are available from the course web site as a single zip file:

Data for Peer Assessment [29Mb]

The zip file contains two files:

File 1:

PM2.5 Emissions Data (summarySCC\_PM25.rds): This file contains a data frame with all of the PM2.5 emissions data for 1999, 2002, 2005, and 2008. For each year, the table contains number of tons of PM2.5 emitted from a specific type of source for the entire year.

fips: A five-digit number (represented as a string) indicating the U.S. county

SCC: The name of the source as indicated by a digit string (see source code classification table)

Pollutant: A string indicating the pollutant

Emissions: Amount of PM2.5 emitted, in tons

type: The type of source (point, non-point, on-road, or non-road)

year: The year of emissions recorded

File 2:

Source Classification Code Table (Source\_Classification\_Code.rds): This table provides a mapping from the SCC digit strings in the Emissions table to the actual name of the PM2.5 source.

SCC: represents individual processes or unit operations which generate air emissions

For information on each column, refer to: SCC-IntroToSCCs.pdf