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## Exploratory Data Analysis #

## Course Project 2          #

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## Question 2 : Have total emissions from PM2.5 decreased in the Baltimore City,      #
## Maryland (fips == "24510") from 1999 to 2008? Use the base plotting system to      #
## make a plot answering this question.                                              #
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## Reads PM2.5 Emissions Data

NEI <- readRDS("./data/summarySCC_PM25.rds")

## Reads Source Classification Code Table

NCC <- readRDS("./data/Source_Classification_Code.rds")

## Setting up the PNG Devices

png(file="plot2.png",width=480,height=480)

par(mfrow = c(1,1))

## Subsetting data for only Maryland fips=="24150"

NEIMary <- subset(NEI, fips=="24510")

pmEmmissions <- tapply(NEIMary$Emissions, NEIMary$year, sum)

## Converting to a Dataframe

pmEmmissionsDf <- data.frame(Year=unique(NEIMary$year),Total=pmEmmissions[])

## Plotting the graph

plot(pmEmmissionsDf$Year, pmEmmissionsDf$Total, type="l", lwd=1, ylab="Total Emissions",
xlab="Year",main="Baltimore City PM2.5 Emissions", ylim=c(0,3500))

## Closing the device

dev.off()
```