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# Part 2 of Project 2 requires an output of
a PNG plot using base plotting
# system in R that shows the total PM2.5
emission from Baltimore City,
# Maryland(fips = "24510") for each of the
years 1999, 2002, 2005, and 2008.

# First step was to get the data

NEI <- readRDS("summarySCC_PM25.rds")

# Next step is to extract only those rows
associated with Baltimore City, MD (fips ==
"24510")

NEI_bal_city <- NEI[NEI[,1]=="24510",]

# Column 4 has pollutant values, and column
6 the year, so can do a split in
combination with sapply

NEI_bal_city_sums <-
sapply(split(NEI_bal_city[4],NEI_bal_city[,
6]),sum)

# Because the y-axis values (emissions in
tons) is in the thousands, divided the
values by one thousands (10^3)

# Below is the  plot output to working
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directory in PNG format
par(mfrow=c(1,1)) # Ensure full sized
graphic
png(file = "plot2.png", width = 480, height
= 480) # Open PNG device to place output in
working directory

barplot(NEI_bal_city_sums/10^3,
xlab="Year", ylab="Pollution in thousands
of tons", col="blue", main="Selected years
of Baltimore City, MD PM2.5 emissions")
dev.off() # Close the PNG device
```