

# STAT 312/312R - R lab 1

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## Problem 1:

Load the `airpoll.txt` data set into R using the `read.table()` function. Note that column names are included in the file so you have to use the `header=T` option. Use the `head()` function to print a few rows of the data. (4 points)

```
table = read.table('airpoll.txt', header = T)
head(table)
```

```
##   Rainfall Education Popden Nonwhite NOX SO2 Mortality
## 1      36      11.4   3243      8.8  15  59      921.9
## 2      35      11.0   4281      3.5  10  39      997.9
## 3      44       9.8   4260      0.8   6  33      962.4
## 4      47      11.1   3125     27.1   8  24      982.3
## 5      43       9.6   6441     24.4  38 206     1071.0
## 6      53      10.2   3325     38.5  32  72     1030.0
```

## Problem 2:

Use R commands to answer the following questions about the dataset:

a)

What class is the data object? (2 points)

```
class(table)
```

```
## [1] "data.frame"
```

Ans: data.frame

b)

How many observations are there in the dataset? (2 points)

```
dim(table)[1]
```

```
## [1] 60
```

Ans: 60

c)

How many variables are there in teh dataset? (2 points)

```
dim(table)[2]
```

```
## [1] 7
```

Ans: 7