

22S:166, Computing in Statistics
Fall 2007, Homework 8

Due: Mon. 11/26 in class

Go to

http://www.amstat.org/publications/jse/jse_data_archive.html
to download the datasets required for this assignment.

1. Download the data file “airport.dat” and read “airport.txt,” which describes the dataset and variables.

Use SAS to compute simple descriptive statistics of the numeric variables in the dataset in order to check for reasonableness. Write a sentence describing anything that looks very suspicious.

2. Also download the dataset “poverty.dat” and read about it in “poverty.txt.” Use `proc tabulate` to produce a table that shows for each country group:

- number of countries in the group
- mean and standard deviation of infant mortality rate
- mean and standard deviation of life expectancy for males

In your table, the names of the country groups (“Eastern Europe,” “South America,” etc.) should appear instead of the numeric codes, and meaningful headings (“Infant Mortality Rate” and “Male Life Expectancy”) should appear instead of variable names.