

EPIB 613
October 18, 2012
Exercise #3

Open the dataset called `states.dta` from the course website.

1. What is the average divorce rate in the North East?
2. It turns out that the governor of Texas does not want the state's divorce rate to be published anywhere, so make the divorce rate for Texas missing. How many states have a divorce rate greater than 70?
3. Generate a new variable called `state_n` that is a numeric variable for state. What state number is Georgia?
4. Create a new variable called `state_1` that contains the first letter of each state. What is the most common first letter that states begin with?

Open the dataset `stocks.dta` from the course website.

Keep only observations from the month of January 2003 (this corresponds to the first 21 observations in the dataset).

5. What are the display formats of the variables `nissan`, `toyota`, and `honda`?
6. List the first 5 observations of `nissan`, `toyota`, and `honda`, with each variable formatted to be displayed to 4 decimal places.
7. What is the current display format of the date variable?
8. Change the format of date to `%tdDD/NN_CCYY`. List the dates of the first 5 observations.
9. Change the format of date to `%tdDD.mon.YY`. List the dates of the observations with negative daily stock returns for Nissan.
10. What date format corresponds to the first observation being formatted as January 02, 2003? List the first observation to show you have correctly formatted the date variable.
11. Generate a new variable named `day` that contains the day of the month. List the dates and days of the month where Toyota, Nissan, and Honda all had positive daily returns. Remove all dividers, separators and observation numbers from the output.