STAT 360
Dr. Straight
Quiz 2, Due Monday, February 27

Note: *You are on your honor to do your own work and not help others!*
For each question, submit a file (PDF, or some other readable format) of your R Notebook.

1. Produce a map of Africa, showing the national capitals. Use shapefiles for the base map. (See for example, Africa – Water Bodies (2015) from the University of Texas at Austin site, or perhaps you can find something better.) You should be able to obtain the capitals from the `world.cities` data frame in the `maps` package.
(7 points)

2. Use the `leaflet` package to … . Check back later on this one.
(5 points)

3. Using the `maps` package, produce a choropleth map showing population density for the counties of Massachusetts. "Scrape" the needed data (area and population, by county) from a website, such as

https://en.wikipedia.org/wiki/List_of_counties_in_Massachusetts

(8 points)