By now you have learned about how to frame interesting questions, statistics and hypothesis testing, and exploratory data analysis. We will be putting all three together into an assessment project.

This assignment asks you to ask and answer a question about voter patterns in the 2012 election. A subset of the American National Election Studies survey data is provided for you. This dataset has been processed to make it easier to deal with than the raw data that comes from the [ANES site](http://www.electionstudies.org/).

The Assignment:

Use R and knitr to create a pdf asking a question, exploring the dataset, phrasing it as a hypothesis test, and analyzing that hypothesis.

Instructions:

1. Download and unzip the project file.
2. Rename ProjectTemplate.Rmd to your project’s name
3. Create a new project in this directory.
4. Edit your .Rmd file.
5. When complete, render a pdf using the knitr button. To do this, you will need miktex installed (below).
   1. You can render the output as HTML in the initial stages if you want to make it faster.
6. Instructions to upload the file for peer evaluation will be forthcoming.

Data:

The data you are working with is a subset of the ANES data for 2012. You can learn more about it here: <http://www.electionstudies.org/studypages/anes_timeseries_2012/anes_timeseries_2012.htm>

Installing miktex:

You have two options:

Install the complete version of miktex. This takes a long time and requires downloading the whole thing then running it.

Install the basic version, plus a package.

1. Run the installation package from: <https://miktex.org/download>
2. Select Letter as the preferred paper and Yes to install missing packages.
3. Open the MikTex package manager
4. Install the titling package