

## GV903: Advanced Research Methods

### Class 13 Introduction to Data Analysis with R

In this session we will have a first introduction in data analysis using R. Download the file `putnam.csv` from [Moodle](#) and load it in R. As usual, save the dataset in a folder in your M drive. Open R and the first thing you need to do is to set the working directory to the directory your data is currently saved (similar to `cd` in Stata). This should be done by something like

```
setwd("M:/gv903/")
```

Then you should be able to read the file and store it into an object as

```
data <- read.csv("putnam.csv")
```

Moreover, we will need some packages to undertake specific tasks. To load a package type

```
library(ggplot2)
```

If the package is not installed in the system you are using, you need to install it first. This is achieved by

```
install.packages("ggplot2", dependencies=TRUE)
```

We will go over the R script from Moodle together. We will also look at how we can get more help online for some specific packages (e.g. the `lmtree` from CRAN).