**What is Data Science?**

Data science – using data to answer questions

Big data – volume involves big datasets

Velocity – data is coming in fast and collected faster than ever

Variety – different types of data

Benefits - can identify correlations

**What is Data?**

Data – information, facts or numbers for decision making

Qualitative and quantitative facts

Both agree it is numbers/facts

Population – set of values

Variables – measurements/characteristics of an item

Qualitative – qualities

Quantitative – quantity

Need to ask good questions first

**Getting Help**

First – reading manuals or help files

Searching on google

Talk to your peers

Be specific in your question and include relevant information

**The Data Science Process**

Must have well defined question

**Installing R**

R is very versatile

**RStudio Tour**

The Session menu has some RSpecific functions in which you can restart, interrupt or terminate R

Helpful if R is not behaving