**WEEK 1 - 2015-11-03**

**6 - Getting Data Overview**

**Getting and Cleaning Data Content**

* Raw vs tidy data
* Downloading files
* Reading data
  + Excell, XML,JSON,MySQL,HDF5,Web
* >Merging data
* Reshaping data
* Summarizing data
* Finding and replacing
* Data resources

**Connecting and listing databases**

* MySQL

**Merging Data - merge() with R**

* reviews
* solutions

**Raw vs processed data**

**Raw**

* Original source of the data
* Often hard to use for data analyses
* Data analysis includes processed once

**Processed data**

* Data that is ready for analysis
* Processing can include merging, subsetting, transforming etc
* There may be standars for processing
* All steps should be recorded