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

**8 - Reproducible Research Overview**

**Reproducible Research**

* Structure of a data analysis
* Organizing a data analysis
* Markdown
* LaTex
* R Markdown
* Evidence-based data analysis
* RPubs

**Steps in Data analysis**

* Define the questions
* Define the ideal data set
* Determine what data you can access
* Obtain the data
* Clean the data
* Exploratory data analysis(förberedande)
* Statistical prediction/modeling
* Interpret result
* Challenge results
* Write up results
* Create reproducible code

**Data analysis files**

* Data
  + Raw data
  + Processed data
* Figures
  + Exploratory figures
  + Final figures
* R code
  + Raw scripts
  + Final scripts
  + R markdown scripts
* Text
  + Readme files
  + Text of analysis