**WEEK 3 - 2015-11-04**

**2 - What is Data**

Data are values of **qualitative or quantitative** **variables**. belonging to a **set of items**

**Set of item: Sometimes called the population: the set of objects you are intrested in**

**Variables: A measurement or characteristic of an item**

**Qualitative: Country of origin, sex, treatment**

**Quantitative: Height, weight, blood pressure**

**What do data look like?**

* Textfiles
* Acces info from URL - Structured form of data with Linenumber
* Bad formated textfiels, extract important data from files
* Images
* Video
* Audio
* Data.gov - any format

**The data is the Second most important thing**

* The most important thing in data science is the question
* Often the data will limit or enable the questions
* **Having data cant save you if you dont have a question**