Explore and Visualize

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Lets being, Explore and Visualize

If you have not already done so read over Chapter 1 in the book r4ds.

Test out the options for reading.

Try the search. Search for *rectangular*.

Rectangular Data

The authors comment that the book is about working with rectangular data.

"This book focuses exclusively on rectangular data: collections of values that are each associated with a variable and an observation."

"But rectangular data frames are extremely common in science and industry, and we believe that they are a great place to start your data science journey."

Explore

The book start with some fun topics that show what R is very useful for, Transforming and Visualizaing data.
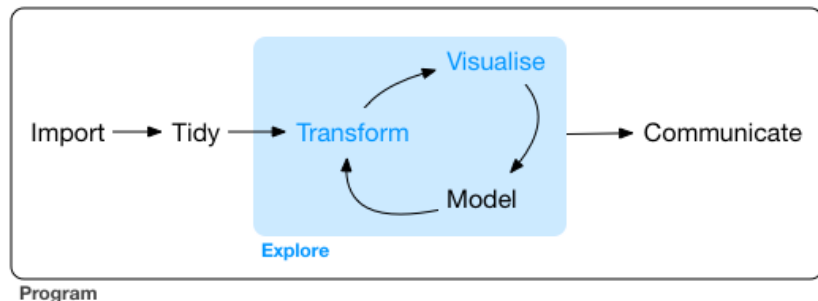

Figure 1: Data Science

We will learn some basic ideas of ggplot2

Slide with R Output

```r
library(tidyverse)
select(mpg, hwy, displ)
```

```
## # A tibble: 234 x 2
##      hwy displ
##    <int> <dbl>
##  1    29   1.8
##  2    29   1.8
##  3    31   2
##  4    30   2
##  5    26   2.8
##  6    26   2.8
##  7    27   3.1
##  8    26   1.8
##  9    25   1.8
## 10    28   2
## # ... with 224 more rows
```

Slide with Plot