

Data Frames

- Object to hold rectangular data sets
 - Rows are observations
 - Columns are variables
- Each column has one type of data in it
- Each row can have multiple types of data in it
- Columns are named; rows can be

Iris Data Frame

```
> iris
  Sepal.Length Sepal.Width Petal.Length Petal.Width Species
1          5.1         3.5         1.4         0.2    setosa
2          4.9         3.0         1.4         0.2    setosa
3          4.7         3.2         1.3         0.2    setosa
4          4.6         3.1         1.5         0.2    setosa
5          5.0         3.6         1.4         0.2    setosa
6          5.4         3.9         1.7         0.4    setosa
7          4.6         3.4         1.4         0.3    setosa
8          5.0         3.4         1.5         0.2    setosa
9          4.4         2.9         1.4         0.2    setosa
...
51         7.0         3.2         4.7         1.4 versicolor
52         6.4         3.2         4.5         1.5 versicolor
53         6.9         3.1         4.9         1.5 versicolor
54         5.5         2.3         4.0         1.3 versicolor
...
```