Read file into pandas

```
pd.read_excel("excelfile.xls")
pd.read_csv("csvlfile.csv")
```

Return first or last rows of a data set

```
dataset.head(N)
dataset.tail(N)
```

Show how many rows the dataset has

```
len(dataset)
```

Rename columns

```
dataset.rename(columns={"oldname":"newname"})
```

Filter out one or more columns

```
dataset["columnname"]
dataset[["columnname1","columnname2"]]
```

Show unique values in a column

```
dataset["columnname"].unique()
```

Count unique values in a column

```
dataset["columnname"].value_counts()
```

Make line chart, bar chart, horizontal barchart

```
.plot()
.plot(kind="bar")
.plot(kind="barh")
```

Sort values in a column from highest to lowest

```
dataset["columnname"].sort_values(ascending=False)
```

See biggest or smallest values

```
dataset.nlargest(N, "columnname")
dataset.nsmallest(N, "columnname")
```

Group dataset

```
Dataset.groupby("columname")
```

Aggregate results

```
.sum()
.count()
.mean()
.median()
```

Filter on a value or partial value in a column

```
dataset[dataset["columnname"] == "value"]
dataset[dataset["columnname"].str.contains("partial value")]
```