# ISLR

## Chapter 2 - Statistical Learning:

### 2.1 - What is statistical Learning?

Imagine a client wants to increase sales - they cant increase sales, but they can control advertising expenditure.

#### 2.1.1 - Why estimate F?

#### 2.1.2 - How to estimate F?

#### 2.1.3 - Trade off between prediction accuracy and model interpretability

#### 2.1.4 - supervised vs unsupervised learning

#### 2.1.5 - regression vs classification

### 2.2 - Assessing Model Accuracy

#### 2.2.1 - measuring quality of fit

#### 2.2.2 - Bias Variance trade off

#### 2.2.3 - The classification setting

### 2.3 - Lab: introduction to R

#### 2.3.1 - basic commands

#### 2.3.1 - graphics

#### 2.3.3 - indexing data

#### 2.3.4 - loading data

#### 2.3.5 - Additional Graphical and Numerical Summaries

### 2.4 - Exercises