Introduction to Statistical Learning
ISLR

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This is a list of topics in the book ISLR .

1. Statistical Learning

   (a) **Supervised Learning**
   (b) **Unsupervised Learning**

2. Model

   (a) Input /Predictor/Features/Independent Variables
   (b) Output Dependent/Response Variable

3. **Unsupervised Learning**

   (a) **Dimesionality Reduction**
      i. *Principal Components Analysis (PCA)*
         A. Principal Components (PCs)
         B. PCA Plot
         C. Dimensionality Constant
   (b) **Clustering**
      i. K-Means
      ii. Hierarchical

4. Regression

   (a) Linear
   (b) Multiple

5. Classification

   (a) Logistic Regression
   (b) Linear Discriminant Analysis (LDA)