# Feature Selection Techniques in Machine Learning with Python

## Benefits of performing feature selection:

- Improves Accuracy: Less misleading data means modeling accuracy improves.
- Reduces Training Time: fewer data points reduce algorithm complexity and algorithms train faster.
- Reduces Overfitting: Less redundant data means less opportunity to make decisions based on noise

### **Feature Selection Methods**

- 1. Univariate Selection
- 2. Feature Importance
- 3. Correlation Matrix with Heat map

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#### **Univariate Selection**

#### Score Functions:

- chi-square
- f\_classif 🖟
- mutual\_info\_classif

Note: all links available in video description



