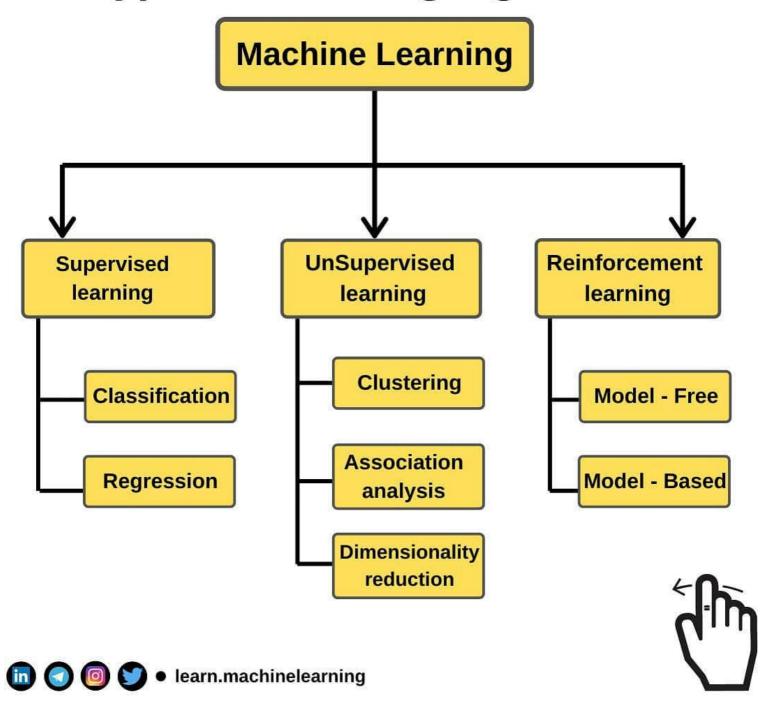
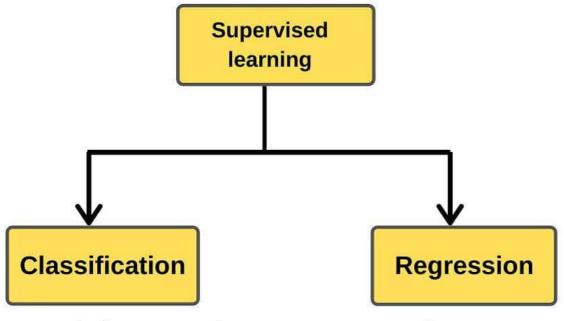
Types of learning algorithms



Types of Supervised learning algorithms



- Logistic Regression
- **Naive Bayes**
- K-Nearest Neighbor
- **Support Vector Machine**

Examples

- Email Spam detection
- Speech Recognition

- Linear Regression
- **Ridge Regression**
- **Ordinary Least Squares**
- Stepwise Regression

Examples

- · Stock price prediction
- **Rainfall Prediction**





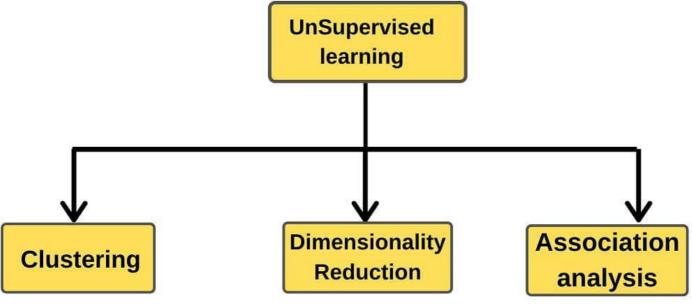




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Types of UnSupervised learning algorithms



- K-Means
- K-Median
- Hierarchical clustering
- DBScan
- Expectation Maximization
- **Feature Extraction**
 - PCA
 - T-SNE
- Feature selection
 - Wrapper
 - Filter

- APRIORI
- **Eclat**
- FP-Growth

Examples

 Market Basket analysis

Examples

- Document Clustering
- Customer Segmentation







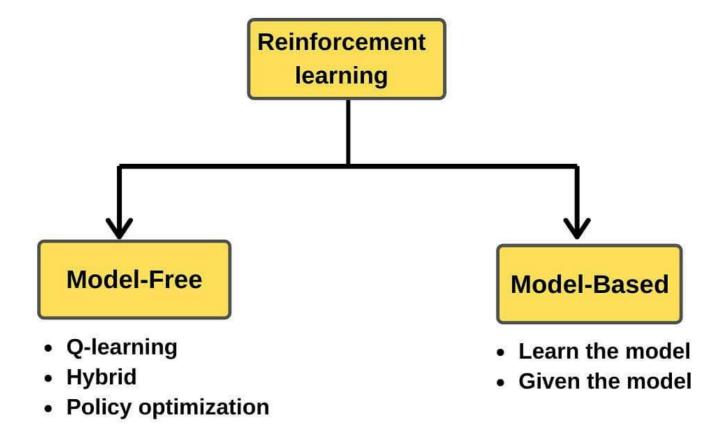




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Types of Reinforcement learning algorithms



Examples

- Multi agent system
- **Motion planning**
- **Navigation**









