Machine Learning Algorithms Summary

Supervised Learning:

- Linear Regression

- Logistic Regression

- Decision Tree

- Random Forest

- KNN

- SVM

Unsupervised Learning:

- K-Means Clustering

- PCA (dimensionality reduction)

Python Example (sklearn):

```python
from sklearn.linear_model import LinearRegression

model = LinearRegression()

model.fit(X_train, y_train)
```

Evaluation:

- Accuracy, Precision, Recall, F1 Score
- Confusion Matrix, ROC Curve