Day 3:

Supervised Unsupervised

Supervised Learning: Dependent Variable

Regression- Dependent Variable is Numerical (Continuous)

1. Linear Regression
2. KNN Regression
3. Support Vector Regression
4. Decision Tree Regression

D.v ->IDV1 +IDV2 +IDV3+………

Accuracy (R squared)- close to 1 (atleast 0.7)->Negative(Worse Model)

RMSE

MSE

MAE

Ensemble Models:

1. Bagging Regressor
2. AdaBoost Regressor
3. Gradientboost Regressor
4. XGBoost Regressor
5. Random Forest Regressor

Data

Churn model -> Linear Regression says its churn

Ensemble model(50 -estimators)->40 models says churn 10 models not a churn ->output churn

Classification:

Dependent variable is categorical

1. Logistic Regression
2. KNN Classification
3. Support Vector Classification
4. Decision Tree Classification

Ensemble models:

1. Bagging Classifier……

Classification:

Metrics:

FP FN -> Covid

Confusion matrix

Documents for Reference:

Product Roadmap:

<https://github.com/Premalatha-success/AIPM_2/blob/main/Building-Your-First-Visual-Product-Roadmap-by-ProductPlan.pdf>

When to use which chart:

<https://github.com/Premalatha-success/AIPM_2/blob/main/WHICH%20CHART%20WHEN_%20YOUR%20GUIDE%20TO%20CHOOSING%20THE%20RIGHT%20VISUAL!.pdf>

Data Visualization with Python:

<https://github.com/Premalatha-success/AIPM_2/blob/main/Data%20Visualization%20with%20Python.pdf>

ML A to Z

<https://github.com/Premalatha-success/AIPM_2/blob/main/ML%20A%20TO%20Z.pdf>

CustomerSKUQTYQuote AmtDiscount Offered - Type of Customer - Existing Customer - Y/NFitment Level - %User Experience - %Competator PriceDiff in Comp PriceFitment level/ Comp Product - %Discount of Comp PriceUser Exp with Comp Product