Avocado Price Prediction

CAPSTONE PROJECT

Presented By-

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Agenda

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Introduction

This data was downloaded from the Kaggle. Retail scan data comes directly from retailer’s cash registers based on actual retail sales of Hass avocados.

The Features are listed down in Python Program.

Primary goals

Task
Our task is to predict the Average Price.

Preparation of Data
Drop unnecessary feature & Check Null Values

EDA & Outliers Removal
Graphs and Removal of Outliers

Power BI
Visualization Tool for Dashboard

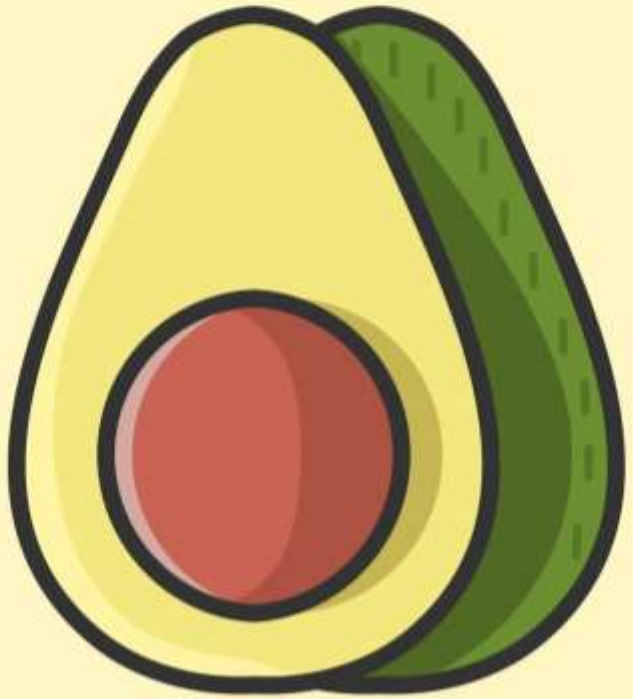
Model Building
Linear Regression, Ridge, Decision Tree, SVm, Random Forest, AdaBoost and Gradient Boost

Key Learnings

Model Building	• Leant different types of algorithms. • Seen application of EDA and ML in real world.
Power BI	• Created Dashboard using Visualization Tool. • Leant different types of features provided by Microsoft Power BI.

References and Source

Kaggle	• https://www.kaggle.com/code/ohguri/eda-and-prediction-with-parameter-tuning
Class Notebook and Notes	• http://localhost:8889/tree/Python%20Programs



AVOCADO

Summary

Our Goal was to predict the Average Price.
The data was from Kaggle. And we did EDA and made Dashboard Using Visualization tool as Power BI. And then we built Models from which we can surely conclude that out of all the models - Linear Regression, Ridge, Decision Tree, SVm, Random Forest, AdaBoost and Gradient Boost the highest accuracy is from Random Forest.

Thank you

Please give your opinions, suggestions and improvement in the Project.

Or you have any Question regarding the Project.