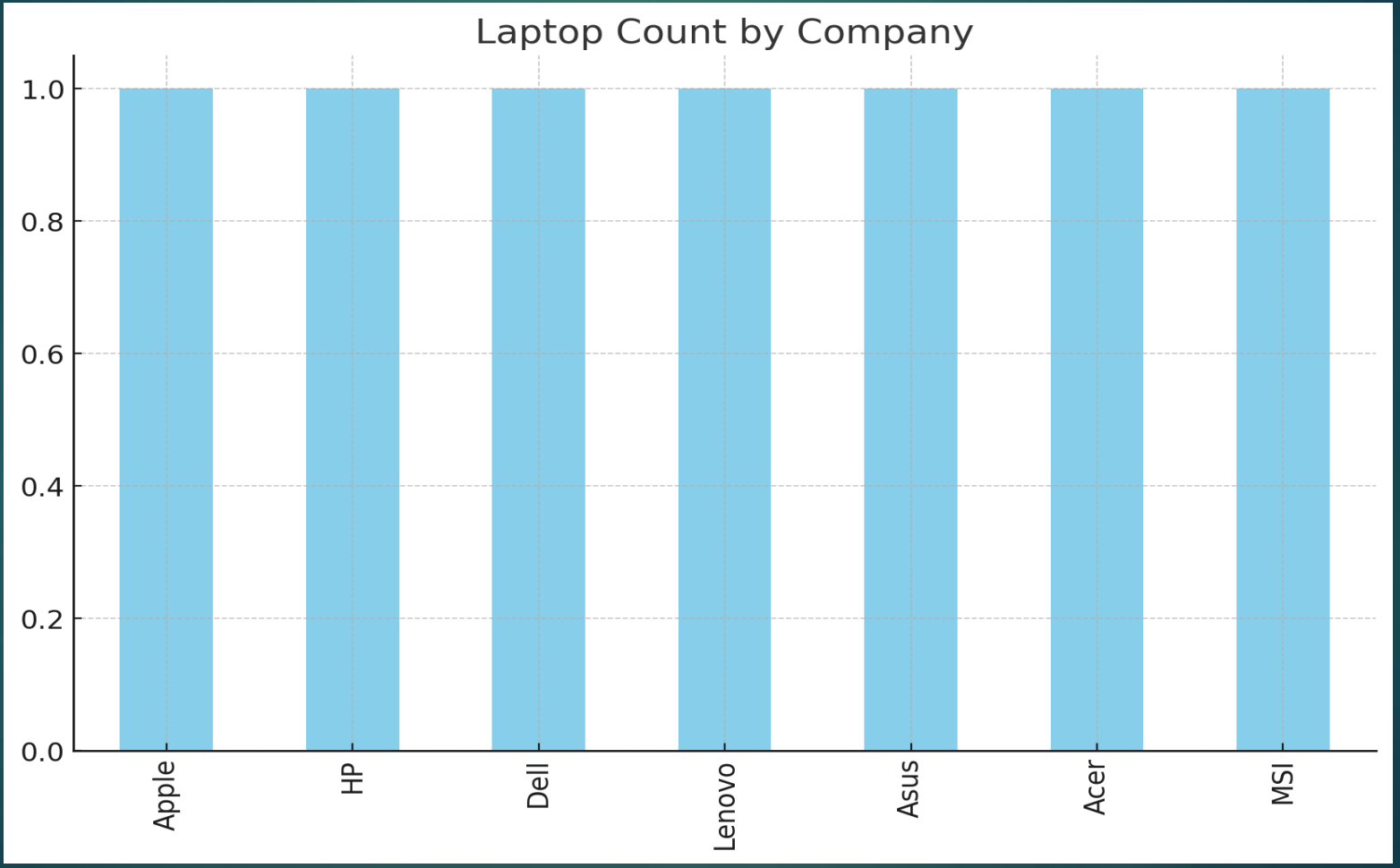
Laptop Price Analysis

MACHINE LEARNING | EDA | VISUALIZATION

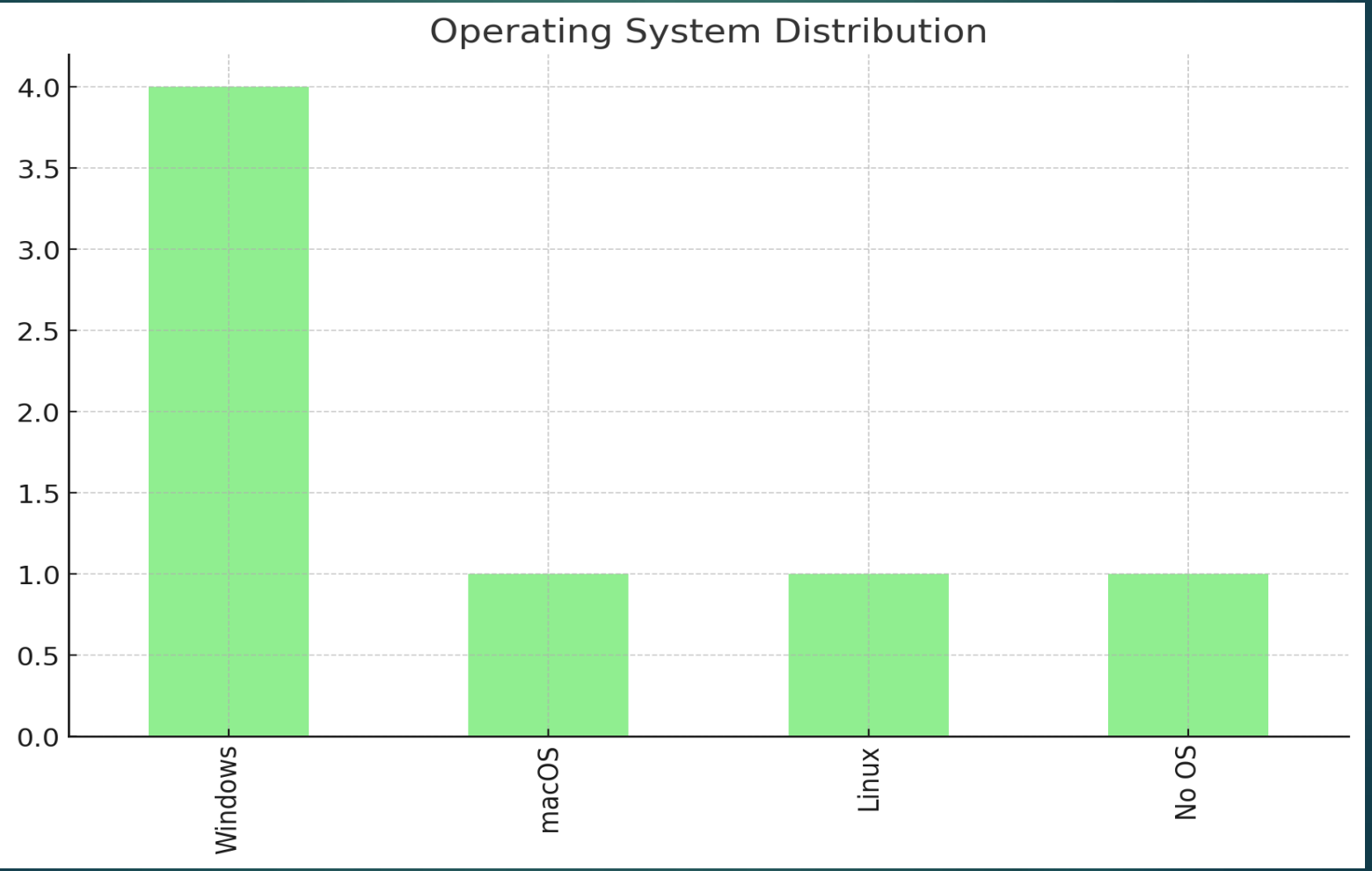
Object of the Project

- This project will help you understand how to analyze and predict laptop prices using a dataset containing laptop specifications. It is a simple regression task where we predict the price of a laptop based on its features like brand, processor, RAM, storage, etc

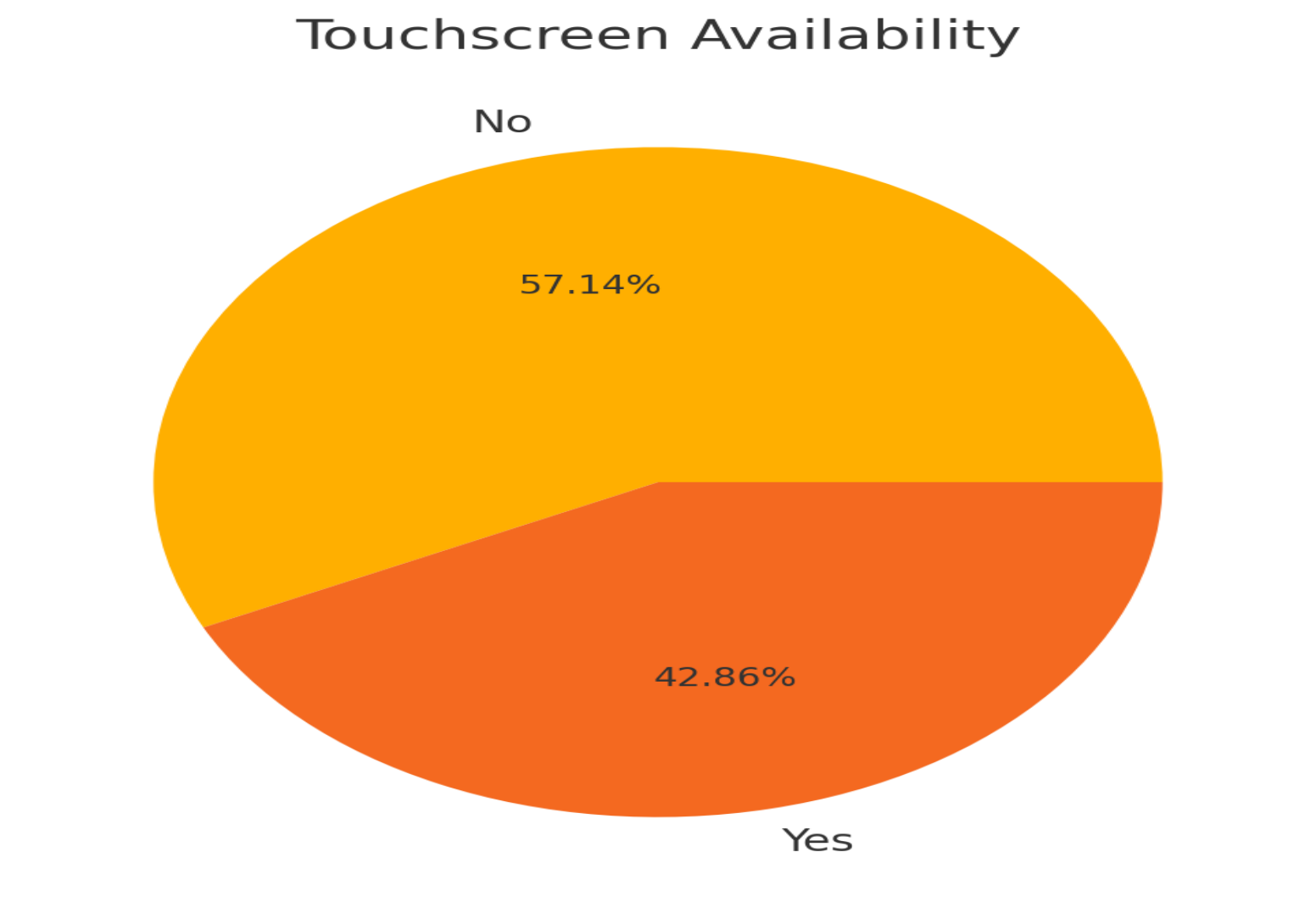
Company-wise Laptop Count



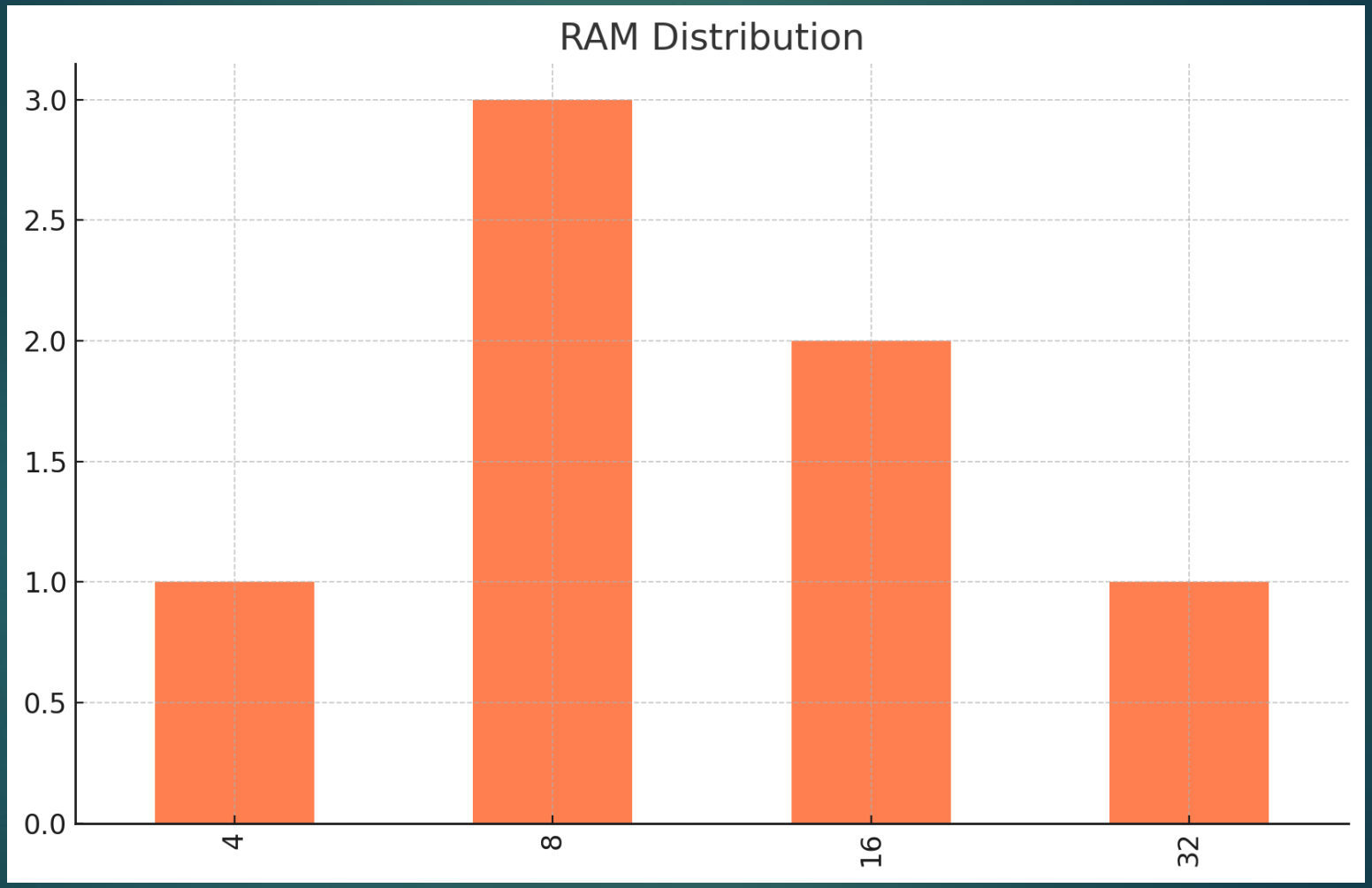
Operating System Distribution



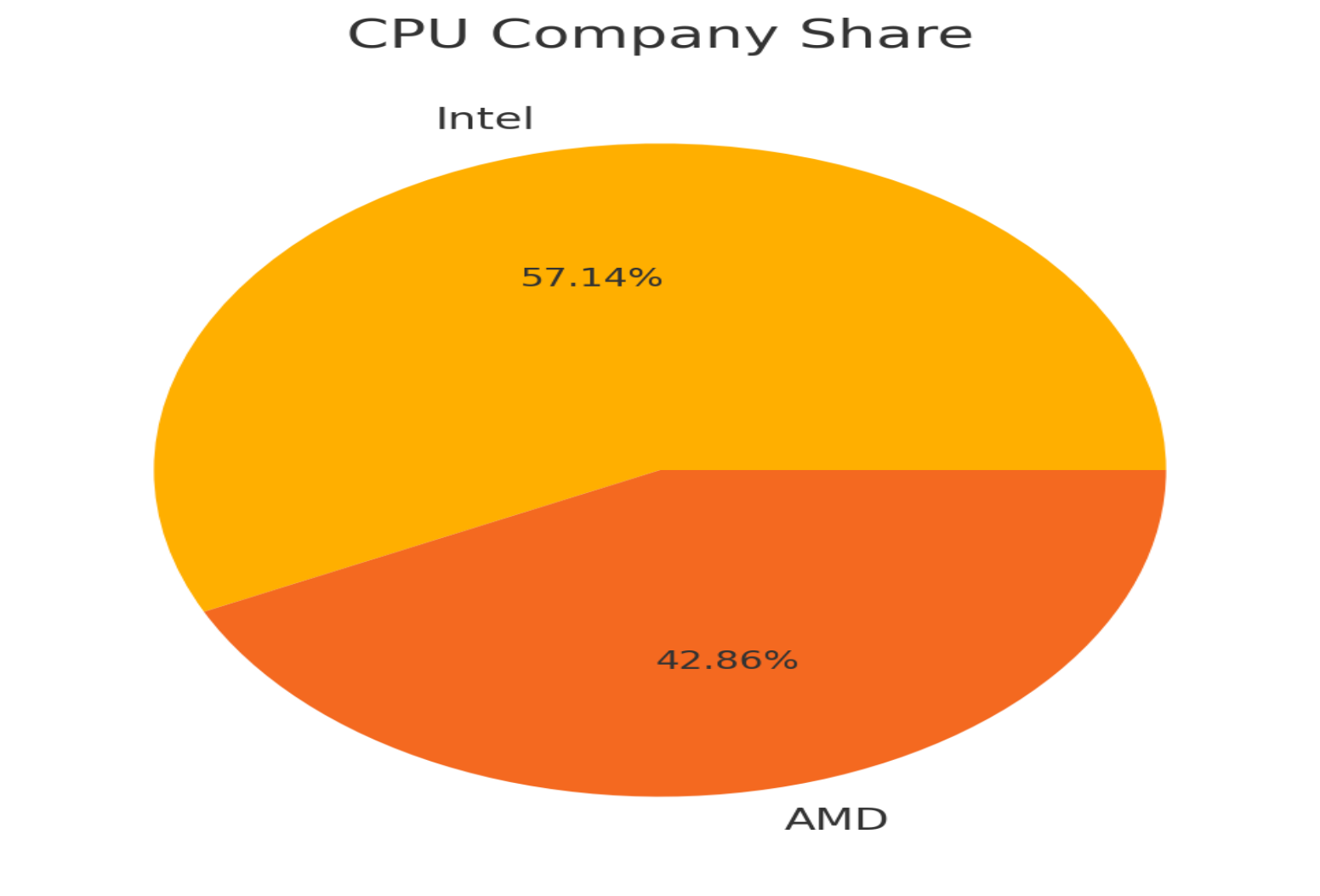
Touchscreen Distribution



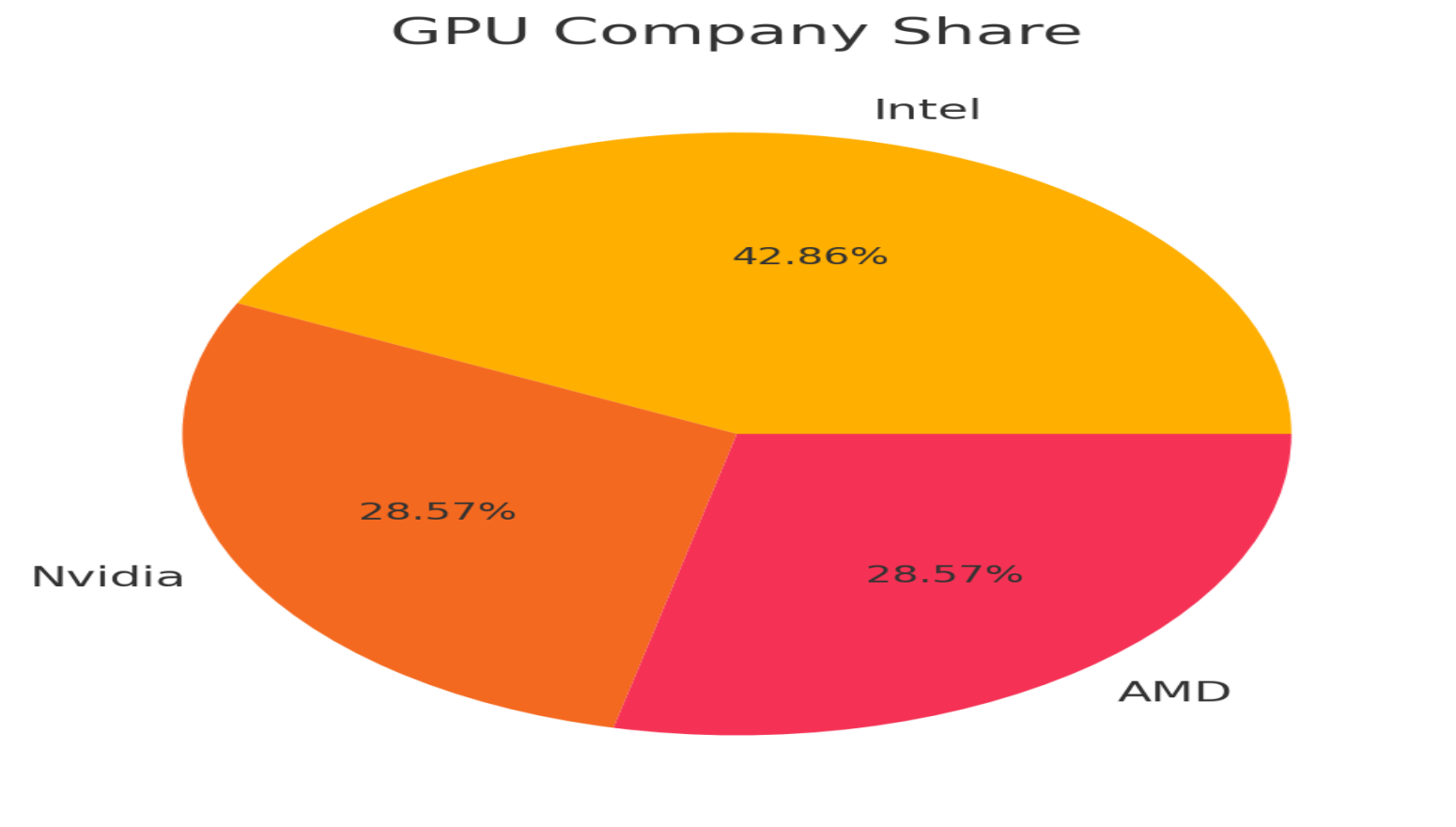
RAM Distribution



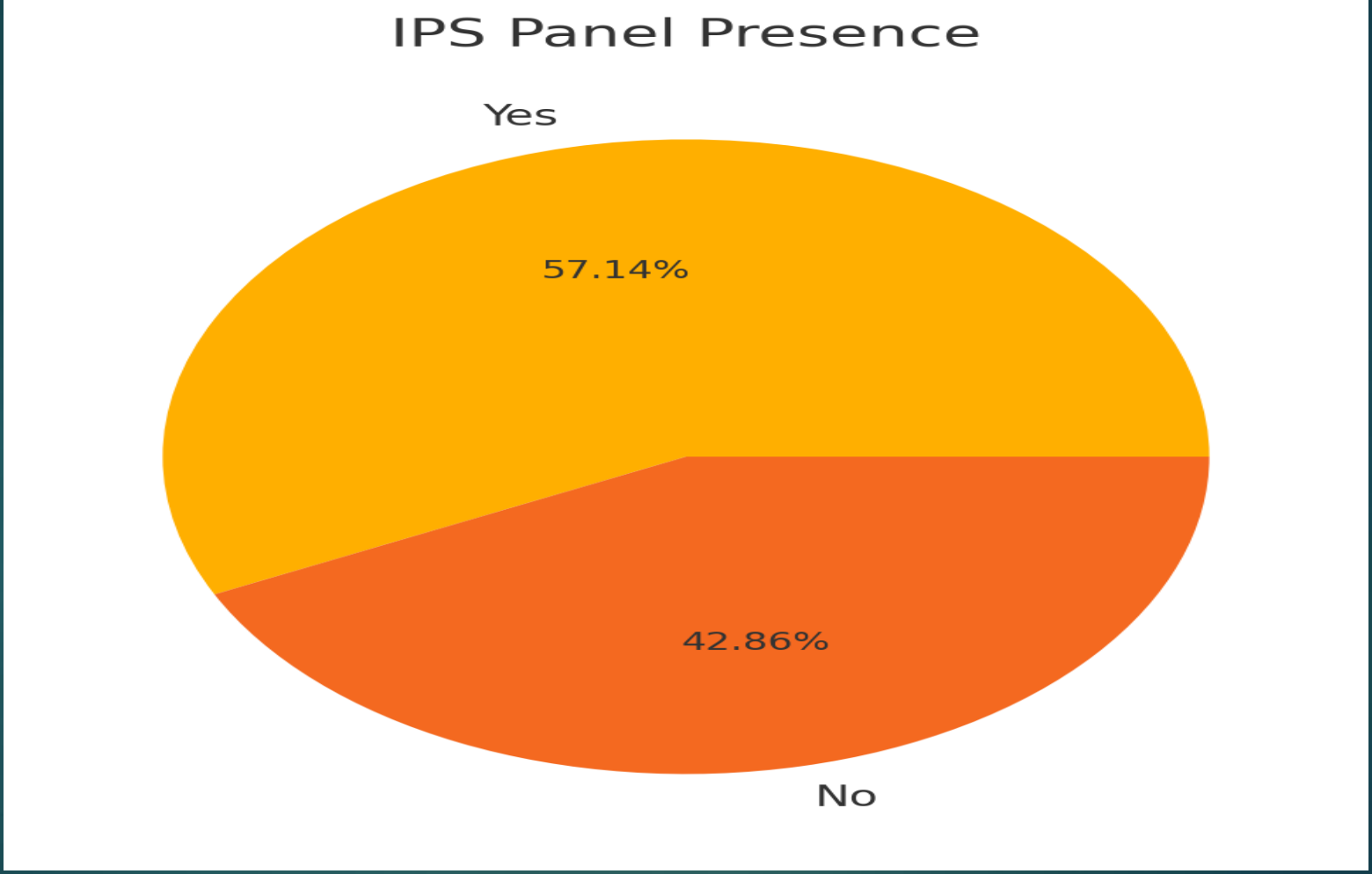
CPU Company Distribution



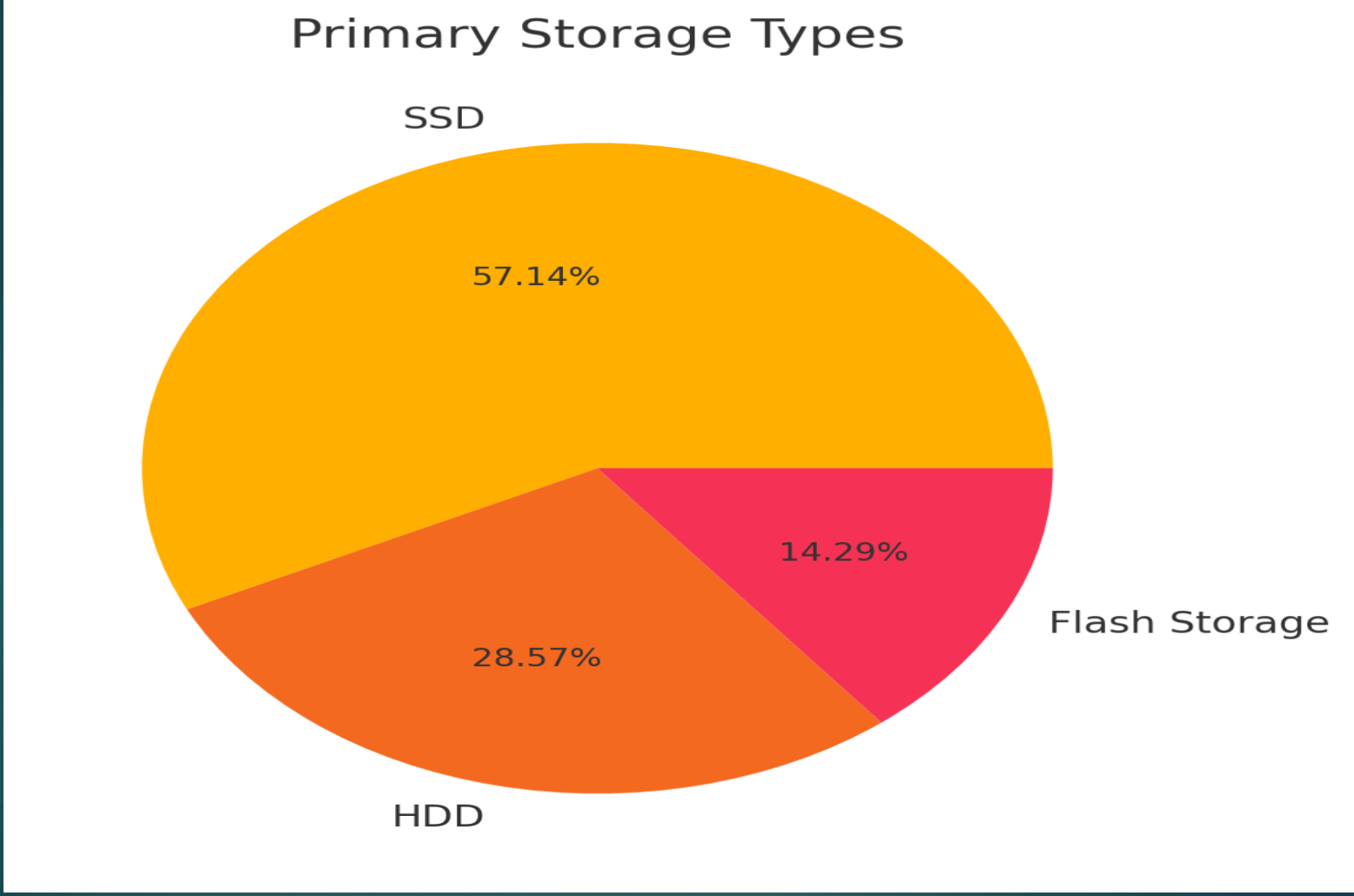
GPU Company Distribution



IPS Panel Distribution



Primary Storage Type



Project Summary

- • Objective:
- Build a machine learning model to predict laptop prices based on variou

- • Dataset:
- Contains information about laptops including brand, RAM, OS, CPU/GPU, storage.

- • Tools Used:
- Python, Pandas, Seaborn, Matplotlib, Scikit-learn

- • Process:
- - Data Cleaning and Preprocessing
- - Exploratory Data Analysis (EDA)
- - Model Training (Linear Regression)
- - Evaluation using R-squared and MSE
- - Visualization of Insights