**Laptop Price Prediction**

**Abstract:**

With the ever-increasing demand for consumer electronics, accurate price prediction models can provide significant value to both consumers and manufacturers by assisting in price optimization, inventory management, and competitive analysis.

This dataset is ideal for researchers, data scientists, and practitioners looking to explore and develop innovative solutions in the realm of price prediction and market analysis in the consumer electronics sector. By providing a realistic and detailed snapshot of the laptop market, this dataset serves as a valuable resource for advancing the state of predictive modeling and price optimization.

**Dataset Description:**

This dataset is a comprehensive collection of data aimed at facilitating the development and evaluation of machine learning models for predicting the prices of laptops. This dataset encompasses a wide array of features including specifications, brand, and physical attributes of laptops, thereby offering a robust foundation for predictive analytics.

The dataset includes around 800 entries, each representing a unique laptop model, with attributes such as processor type, RAM size, storage capacity, screen size, brand, operating system, and more. Additionally, the dataset is enriched with categorical and numerical data, enabling a diverse range of analytical techniques from regression to classification.

**You are expected to:**

* Summarize the dataset
* Conduct exploratory data analysis to identify factors influencing the price of the laptops
* Build ML Model to predict the laptop prices
* Derive insights that would help the customers to buy the right laptop as well as help the laptop companies to cater the customers better by understanding their requirements
* Present the exploratory analysis, insights and scored results in a deck for top management