

# Laptop Price Prediction by Regression Models

## "Minimum Viable Product MVP"

*Annal Ali Albeeshi*

*Aesha Bakheet Aljohani*

The objective of this project is to predict the prices of laptops, and to discover how some factors affect the prices, for example: laptop manufacturer, brand and model, type (notebook, ultrabook, gaming, etc.), screen size, central processing unit (cpu) , ram, memory, operating system, laptop weight, warranty.

And through regression models: Random Forest Regressor model & Linear Regression model.

The figure shows the performance scale of regression models for  $R^2$  Score in mean and median, and we note that the performance of Random Forest Regression model is better than the performance of Linear Regression in predicting prices.

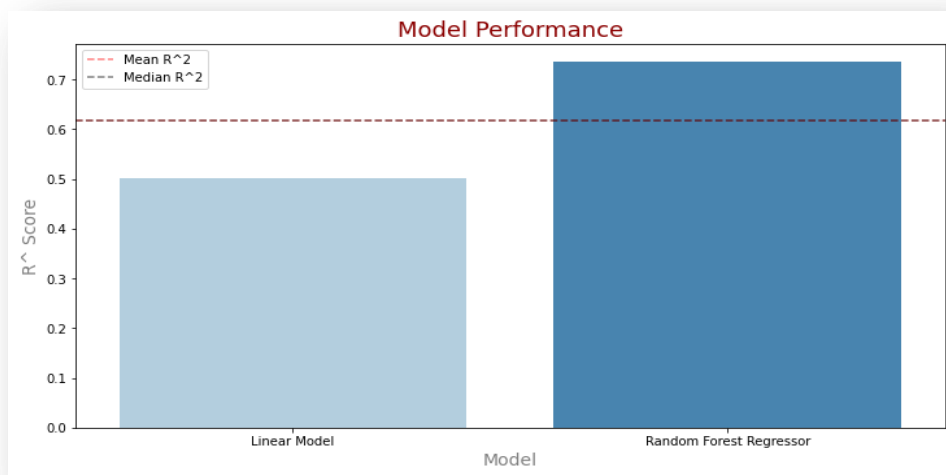


Fig 1: Model Performance