ReCell

ML-based solution to develop a dynamic pricing strategy for used and refurbished devices for startup 'ReCell'

EDA is done. Outliers were treated. Encoded categorical features. Identified F1 as evaluation metric.

Created new feature device category.

Imputed the missing values in the data by the column medians grouped by release  and brand\_name

Checked outliers. Outliers looked like natural part of the population. They does not seem to be impossible values.

Converted used\_price and new\_price to log form to deal with skewness in the data.

Built linear regression model.

Evaluated model performance on training and testing data.

Linear Regression assumptions were tested.

Dropped high p-value variables.

Built model with selected features.

Compared initial and final model.

Recommendations were made.