

By Samuel Love



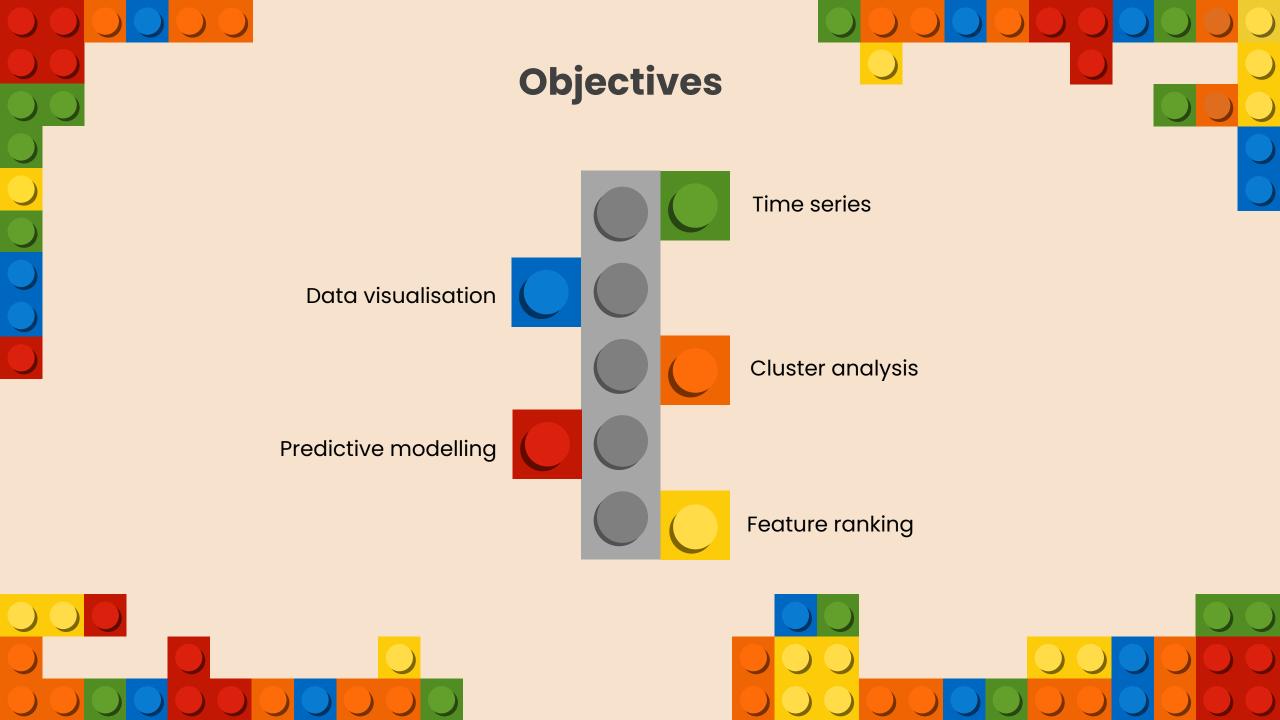
'Can we accurately predict the secondary prices of Lego sets using a defined set of characteristics?'

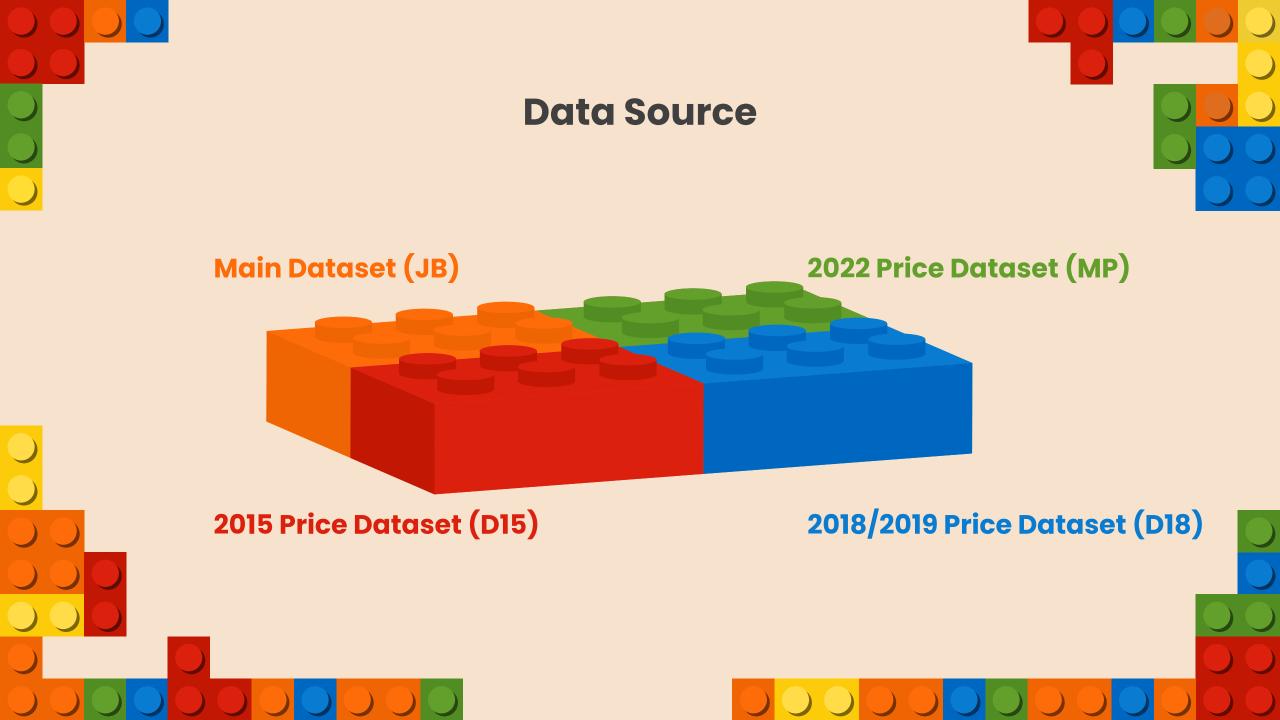
'Do Lego sets based on licensed intellectual properties differ from Lego original sets?'



Trends in characteristics

Machine learning predictive models

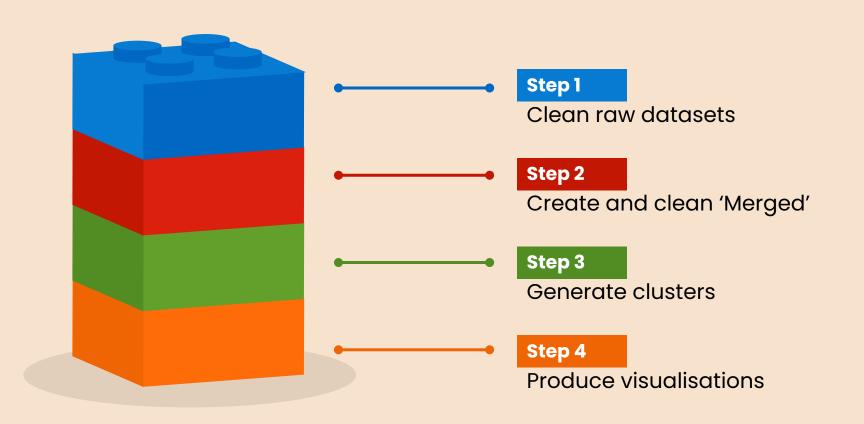




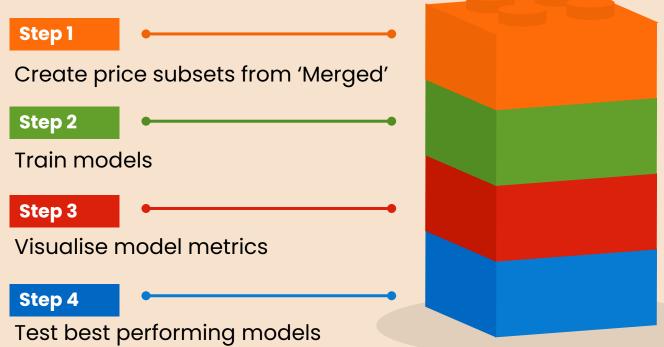
Data Limitations







Method- Machine Learning







Increasing number of sets



Characteristics diversifying



Average price variation



Price correlates with complexity

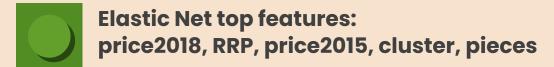


Organic clustering potential

Results – Predicting 2019 Prices









Results – Predicting 2022 Prices









Conclusions



Increasing complexity over time



High average price variation



Price variables best predictors



No obvious optimal model

