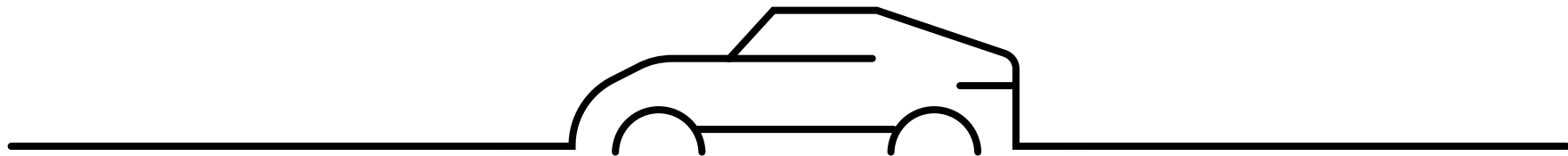
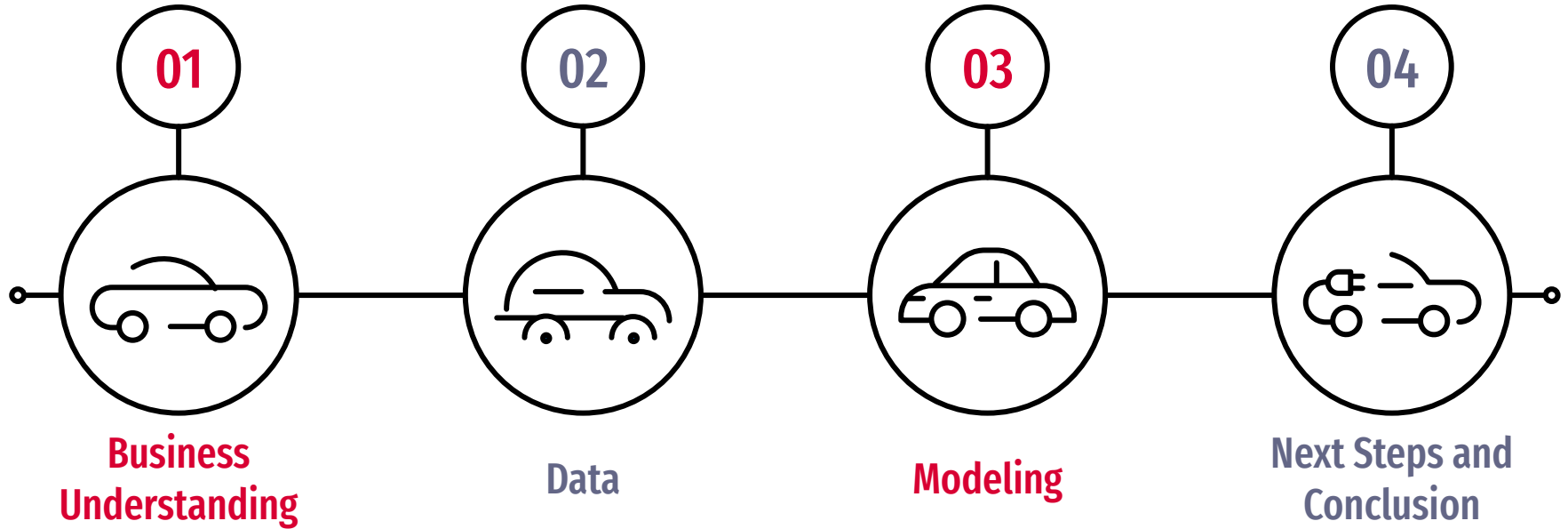


# Exact Car Prices Prediction



By: Roger Pineda

# Overview



# Problem At Hand

To Accurately  
Predict Used and  
New Car Prices

# Data

## Starting Data

Price Range  
0-3,700,000,000(in dollars)

Year of Cars  
1900-2022

Missing Values  
1,655,339

Car Listings  
430k

## Cleaned Data

Price Range  
100-59,999(in dollars)

Years of Cars  
2003-2022

Missing Values  
0

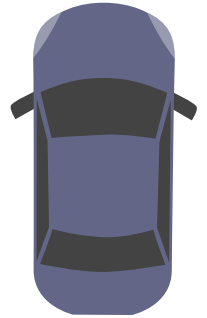
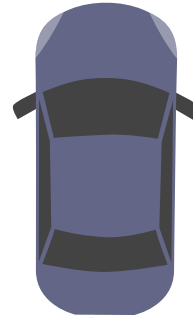
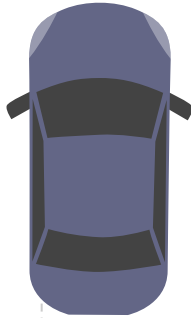
Car Listings  
150K

# Regression Models

Lasso

XG-Boost

Random  
Forest



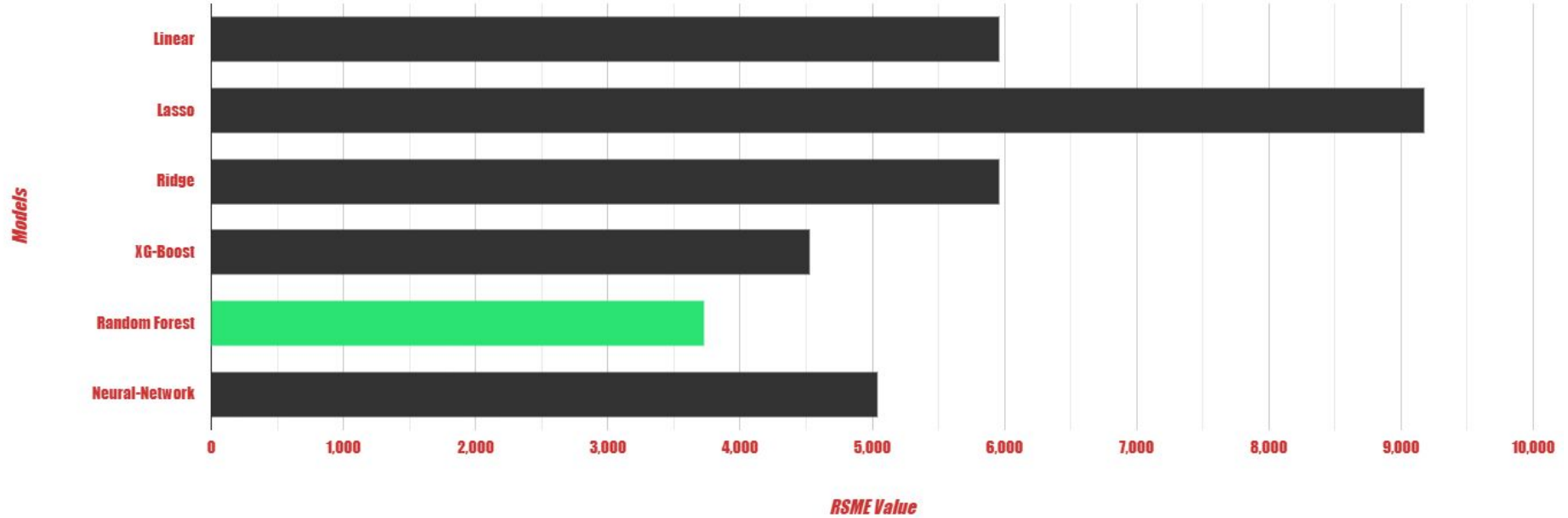
Linear

Ridge

Neural  
Networks

# RSME

## Model RSME Scores

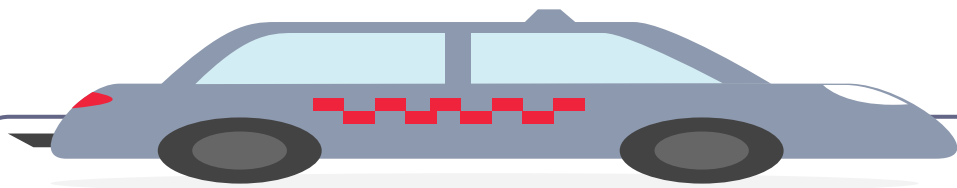


# Final Model

Random Forest  
Regressor

RSME  
3724.54

# Model in practice



## My Vehicle Specs

- 2020
- Audi
- 15000 Miles
- 4 Cylinder twin turbo engine
- AWD
- White
- Gas Powered

**My Model (with  
limited features)**

**34665**

**Kelley Blue Book  
Prediction**

**34790**



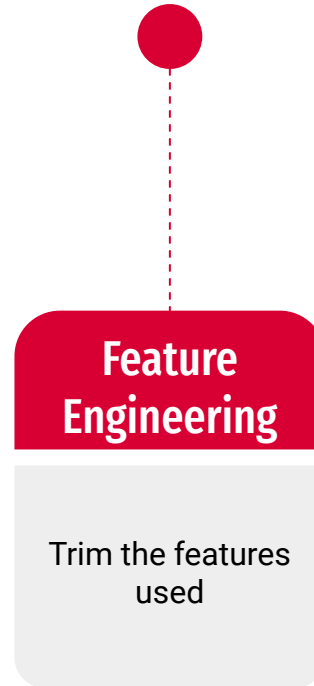
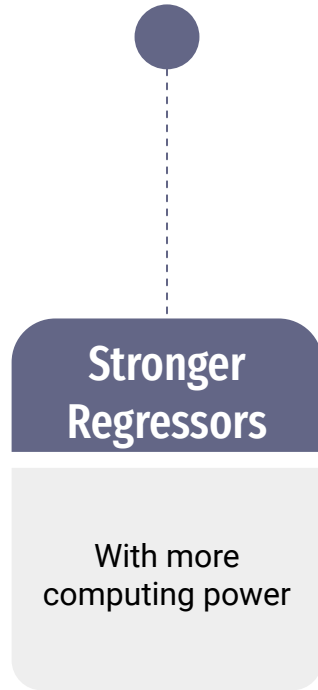
# Model in practice

**My model with all the features**



**6767**

# Next Steps



# Questions?

Roger Pineda

[LinkedIn](#)

[GitHub](#)

## References

- <https://www.kbb.com/audi/a4/2020/45-premium-sedan-4d/?vehicleid=447814&mileage=15000&modalview=false&intent=trade-in-sell&pricetype=trade-in&condition=verygood&options=9415673%7cttrue%7c9415672%7cttrue%7c9415670%7cttrue%7c9415671%7cttrue%7c9415669%7cttrue>
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