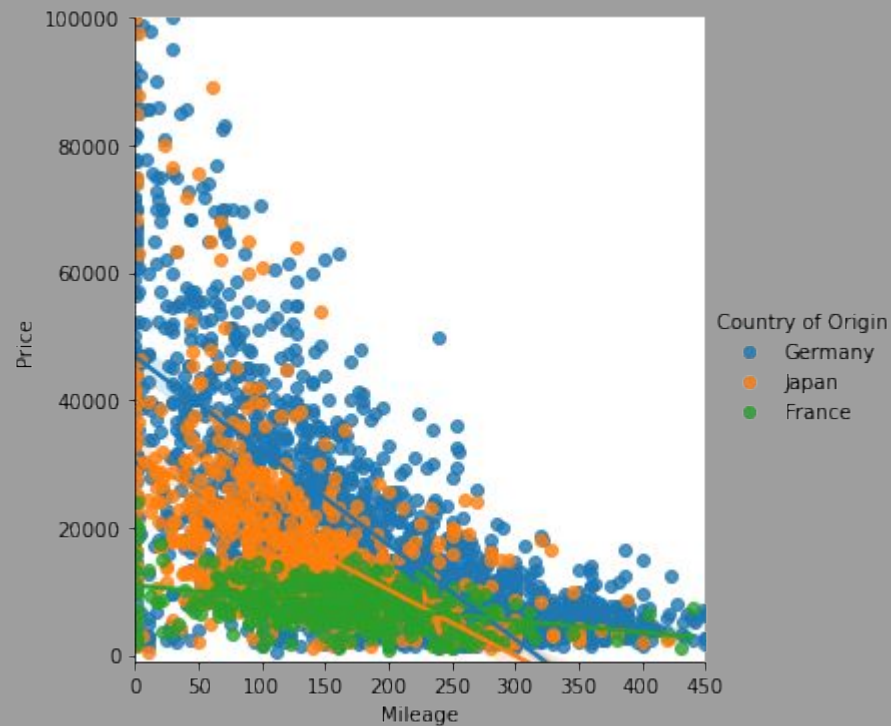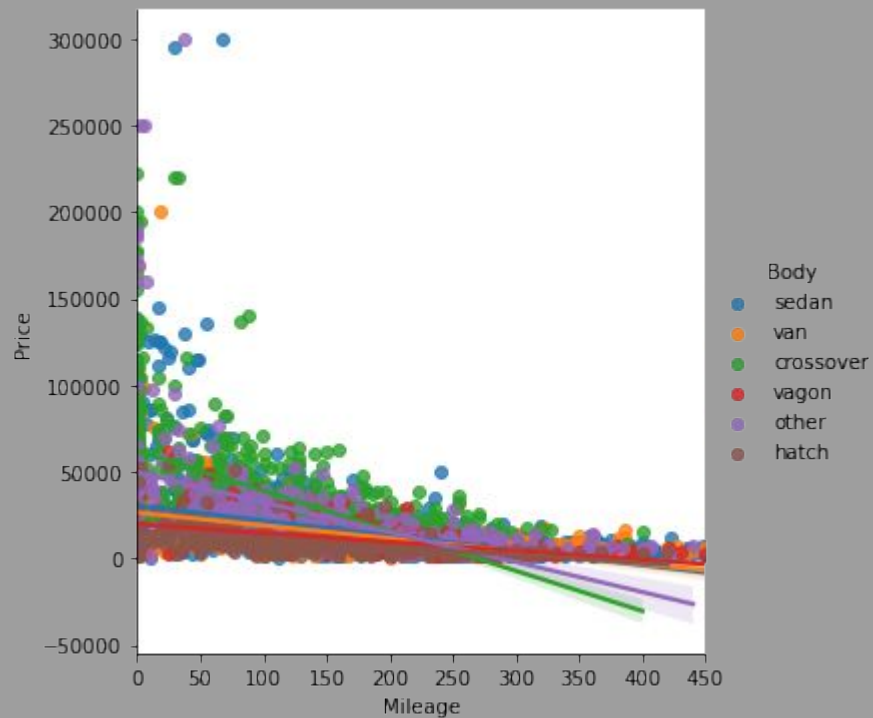# Car Sale-Price Prediction Model

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Coire Gavin-Hanner
Coding Dojo Part-Time Data Science Bootcamp- Project 2

Background Information

- Task: Predict car sales prices using readily-available features
- Motivation: Car dealership needs a method for confirming sales predictions by expert sales people
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Data Description and Analysis

Prediction Model Performance

- Random Forest Model predicted car sales prices with an average error of $3197
- Mean sale price in data set: $18,297

Car	Actual Price ($)	Predicted Price ($)
Mercedes-Benz Van	11850.00	11967.91
Volkswagen Sedan	3100.00	3294.50
BMW	8700.00	6334.27
Volkswagen Sedan	12500.00	12339.46

Final Recommendations

- This model can be used as check for car sales estimates
- This model does NOT provide exact predictions
  - RMSE = $ 7349
- More features and more data will lead to a more accurate model