Ride duration prediction
for
bike sharing systems

By: Wejdan Alzahrani

Project Goal

To analyze customers' data of a bike sharing system and predict their ride duration using machine learning models.
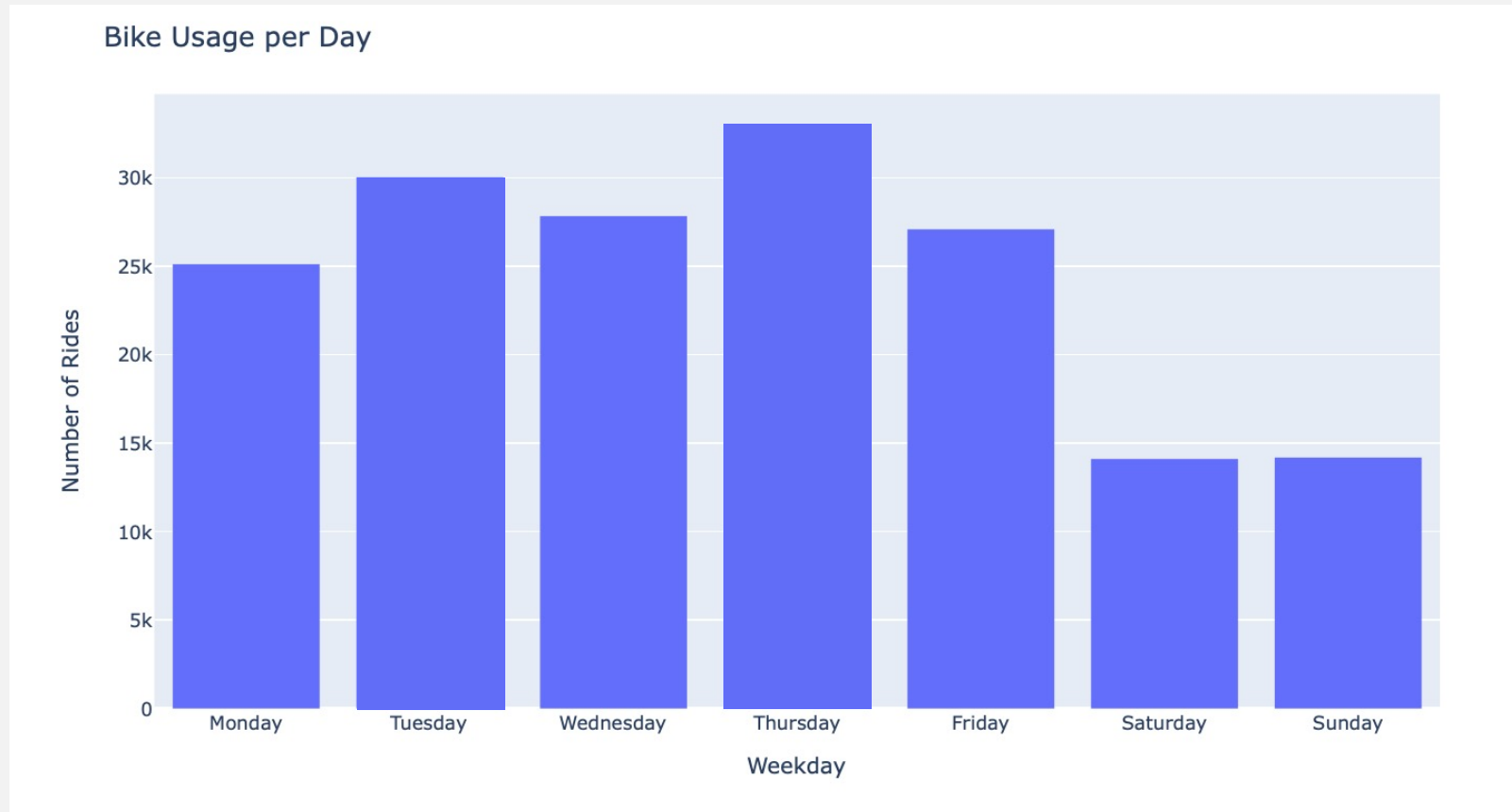
Data

Around 183K observations, provided by Ford GoBike, which represents trips taken by the customers for the month of February of 2019.
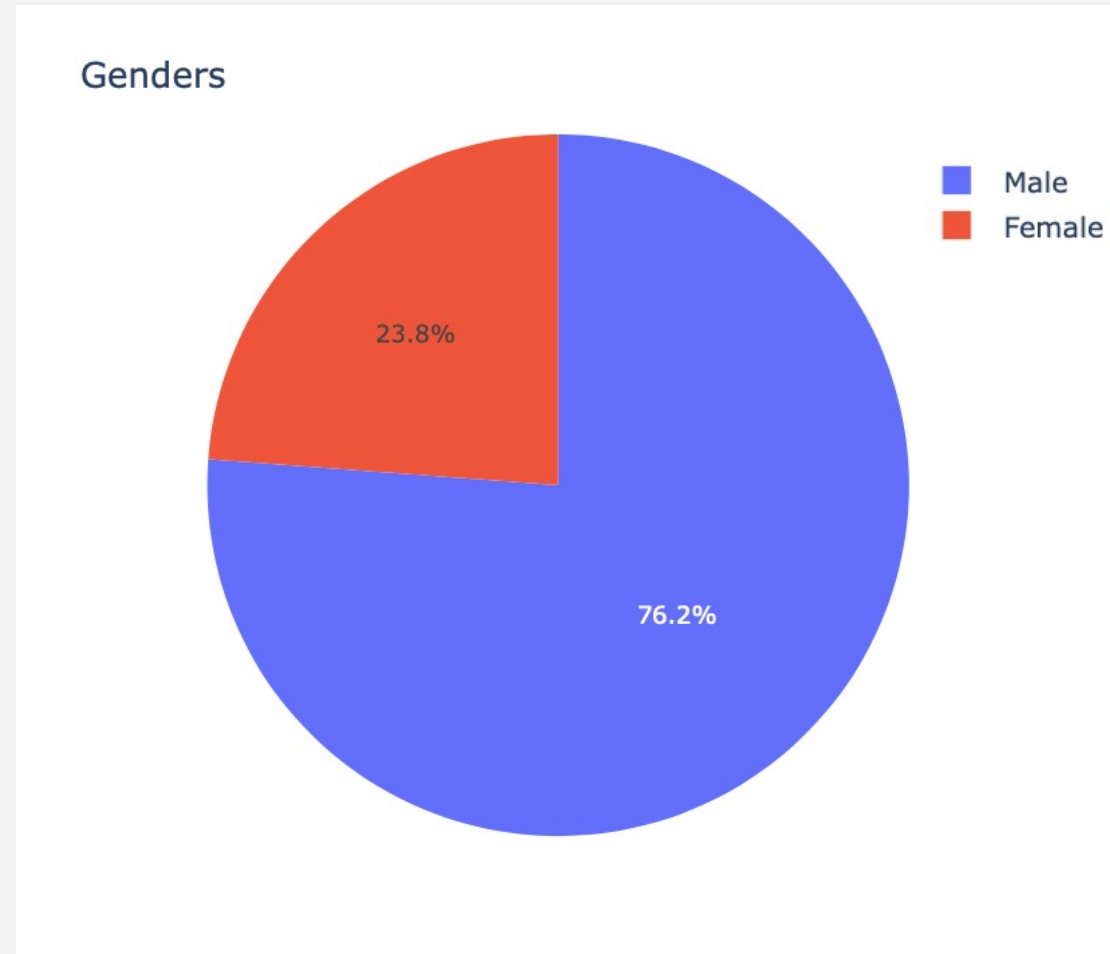
Data pre-preocessing :

- Handling null values
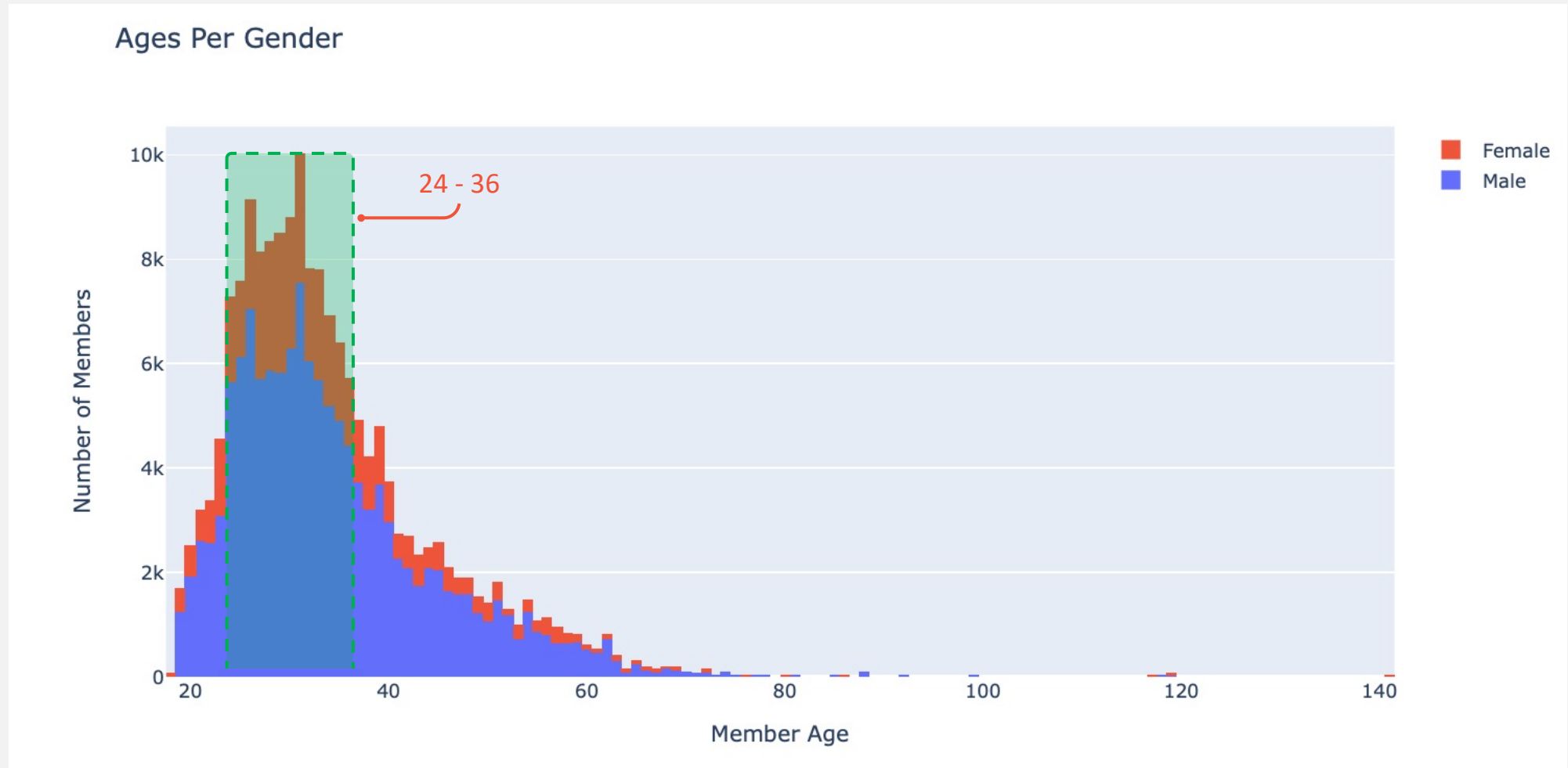- Handling undefined values
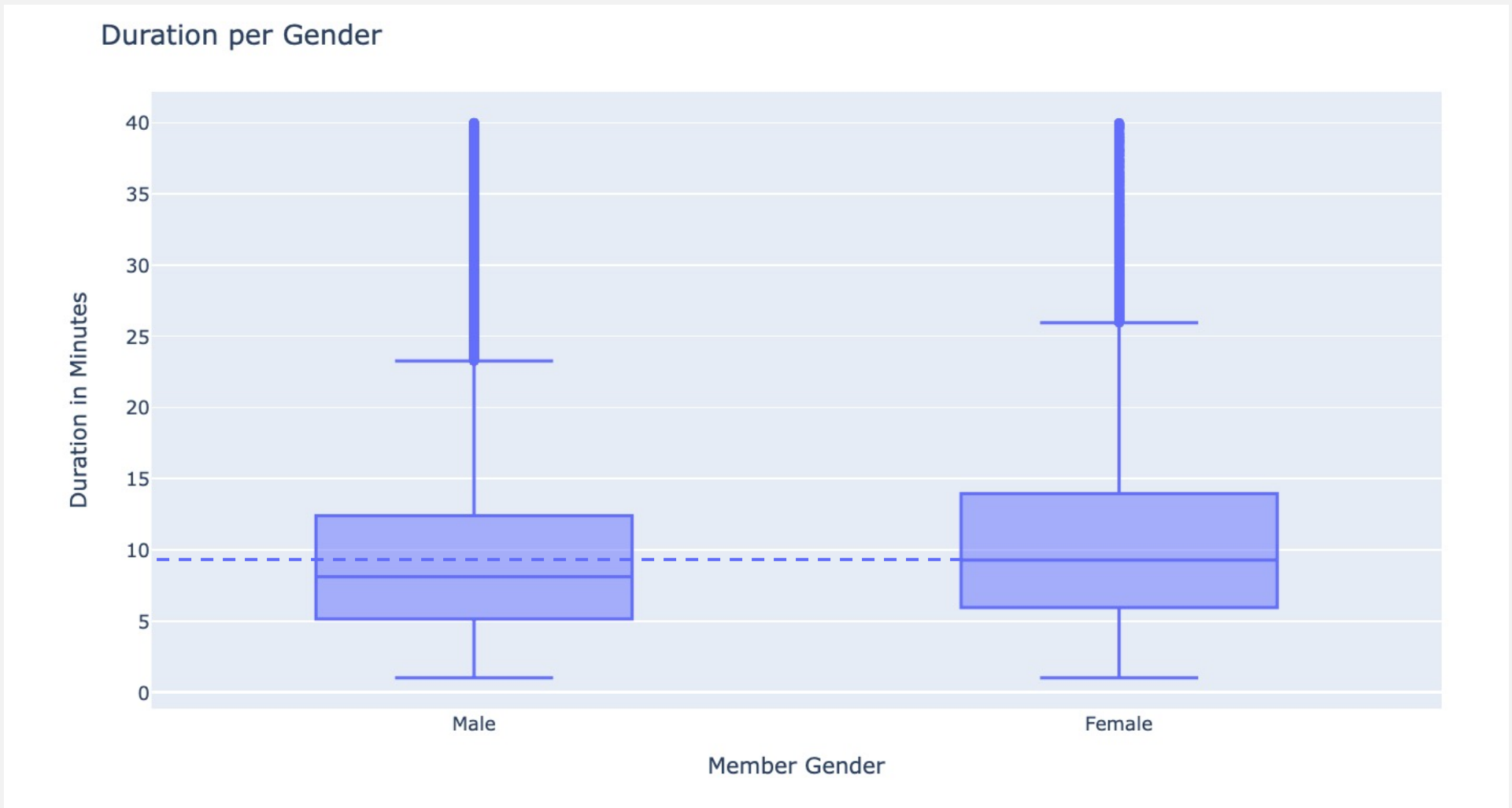- Adding new features

Data

Data

Data

Data

Modeling

	Linear Regression	Gradient Boosted Trees
MAE	6.77	6.17
Training Time	32.8 ms	3.03 s
Pred. Time	2.88 ms	11.4 ms

Thank you