

## Project Summary

The project will give you the opportunity to:

- Create a model for the Predict Bike Sharing Demand Kaggle competition
- Use AutoGluon to build and evaluate models
- Compete in Kaggle by submitting your model and receive a ranking
- Create a report of ML discoveries so you can showcase your work

25 submissions for [Matt Maybeno](#)

Sort by 

Select...

All

Successful

Selected

Submission and Description	Private Score	Public Score	Use for Final Score
<div><a href="#">submission_new_hpo.csv</a></div> <div>2 months ago by <a href="#">Matt Maybeno</a></div> <div>new features with hyperparameters</div>	0.46182	0.46182	<input type="checkbox"/>
<div><a href="#">submission_new_features.csv</a></div> <div>2 months ago by <a href="#">Matt Maybeno</a></div> <div>new features</div>	0.46412	0.46412	<input type="checkbox"/>
<div><a href="#">submission.csv</a></div> <div>2 months ago by <a href="#">Matt Maybeno</a></div> <div>first raw submission</div>	1.37140	1.37140	<input type="checkbox"/>

### Kaggle competition results for the Bike Sharing Demand competition

In addition to submitting your work to Kaggle for a ranking, you'll create a report that will showcase your work. Below is an example section of what you'll be working on. It will include not only explanations of your work, but tables and figures of your findings. You will see the full details when you start working on the project.

# Report: Predict Bike Sharing Demand with AutoGluon Solution

Matt Maybeno

## Initial Training

What did you realize when you tried to submit your predictions? What changes were needed to the output of the predictor to submit your results?

When I tried to submit my predictions, I realized that the output of the predictor was a list of floats, but the submission script required a list of integers. I needed to round the floats to the nearest integer to match the required format.

What was the top ranked model that performed?

The top ranked model was XGBoost, which achieved the highest score. I used it as the base model and combined it with other models using ensemble methods to improve performance.

Example section of Predict Bike Sharing Demand Report