

## Exercise: AutoGluon

Throughout this lesson, you've been trying different models on the same two datasets, wine, and diabetes. Now, we're going to try our hand at accelerating this methodology by using AutoGluon. In this exercise, train two different AutoGluon models and see how they compare to previous iterations in exercises 1 and 2.

You're tasked with completing the following steps:

1. Load in the wine dataset from scikit learn.
2. For the wine dataset, create a train and test split, 80% train / 20% test.
3. Create a AutoGluon Classifier model with these hyper parameters:

```
time_limit: 120  
presets: best_quality
```

4. Output the model table summary
5. Evaluate the trained model on the test dataset
6. Load the diabetes dataset from scikit learn
7. For the Diabetes dataset, create a train and test split, 80% train / 20% test.
8. Create a AutoGluon Regression model with these hyper parameters:

```
eval_metric: r2  
time_limit: 120  
presets: best_quality
```

9. Output the model table summary
10. Evaluate the trained model on the test dataset