

## Kaggle Project

### Otto Group Product Classification

<https://www.kaggle.com/c/otto-group-product-classification-challenge>

The detailed description of this project is available on the website link provided above.

You have to come up with a solution which will give you the highest accuracy and in this case, a high public and private score on Kaggle.

You will make a submission on Kaggle and record your score. You can submit multiple times. For this class, you will have to submit two of your Kaggle submissions: 1) in your preliminary stage, 2) your final submission at the end of the semester. You can make multiple submission if you want to.

The Otto Product Classification is a Multiclass classification problem. Microsoft Azure Machine Learning Studio has good ensemble classification algorithms which could be used for this problem. You can use its tools to do some data preprocessing. You have simple training and testing sets, you can have a look at them and decide what approach you need to follow. No method is wrong. You can get a solution using any method you think is right. You are expected to explore and experiment with the various algorithms available in the tool to decide which one or ones suit your data the best.

You will be evaluated based on your approach and your efforts taken to get a good score. You need to adhere to the phases of the project submission to get full credit. You will also have to present the project in class which contributes to your grades. You also need to write a report about your project.

The phases of the project and the format of the report are uploaded to the Blackboard.

Best of luck!