

Capstone Project proposal

Objective: To classify images of different pieces of clothing.

Client & Data-Set: Fashion-MNIST is a dataset of Zalando's article images—consisting of a training set of **60,000** examples and a test set of **10,000** examples. Each example is a 28x28 grayscale image, associated with a label from **10 classes**.

Data-set is publicly available on kaggle and [Zalando Fashion MNIST repository](#) on Github.

Fashion-MNIST is intended as direct drop-in replacement for the original MNIST dataset. It shares the same image size and structure of training and testing splits.

Labels: Each training and test example is assigned to one of the following labels:

- 0 - T-shirt/top
- 1 - Trouser
- 2 - Pullover
- 3 - Dress
- 4 - Coat
- 5 - Sandal
- 6 - Shirt
- 7 - Sneaker
- 8 - Bag
- 9 - Ankle boot

Deliverables: Report, code and slide deck.

Here's an example how the data looks (*each class takes three-rows*):

