

# Hay and Moriya ML project proposal

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## 1 project proposal

### 1.1 objective

### 1.2 Auto encoding

we aim to use aoutoencoder in order to extract feature vector from the image, and use it as input to the ML classifiers.

note: add an article that explains aoutoencoder.

### 1.3 ML and DL methods

- KNN
- SVM
- Logistic regression
- MLP
- CNN

### 1.4 Data Sets

- Mnist-number (Image)
- Mnist-fashion (Image)
- Dog vs Cat (Image)