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ECE 532
Gender classification
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Project dataset:

The purpose for this project is using features on face to classify gender. The dataset is from Kaggle (<https://www.kaggle.com/elakircoder/gender-classification-dataset>). It has 5001 columns for 7 feature and a label of gender. Features includes long of hair, width and height of forehead, long and wide of nose, lips thin and distance from nose to lips.

Algorithms that will be investigated:

Least square regularization and SVM as simple baseline method, I will use cross validation for 5 groups, for each group has 1000 or 1001 columns.

Neural networks

Project GitHub:

<https://github.com/Miegy/face-gender-classify>

Project timeline:

Nov 17th – Initial proposal

Nov 17th – Finding classifier weight by using least square regulation and SVM

Nov 25th – After learning Neural networks, using Neural networks to do classification

Dec 1st – Write final report

Dec 12th – Final project report