

Hyper-parameter tuning experiment (mlflow)

1. PCA using logistic regression

Visualizations

Parallel Coordinates Plot

Scatter Plot

Box Plot

Contour Plot

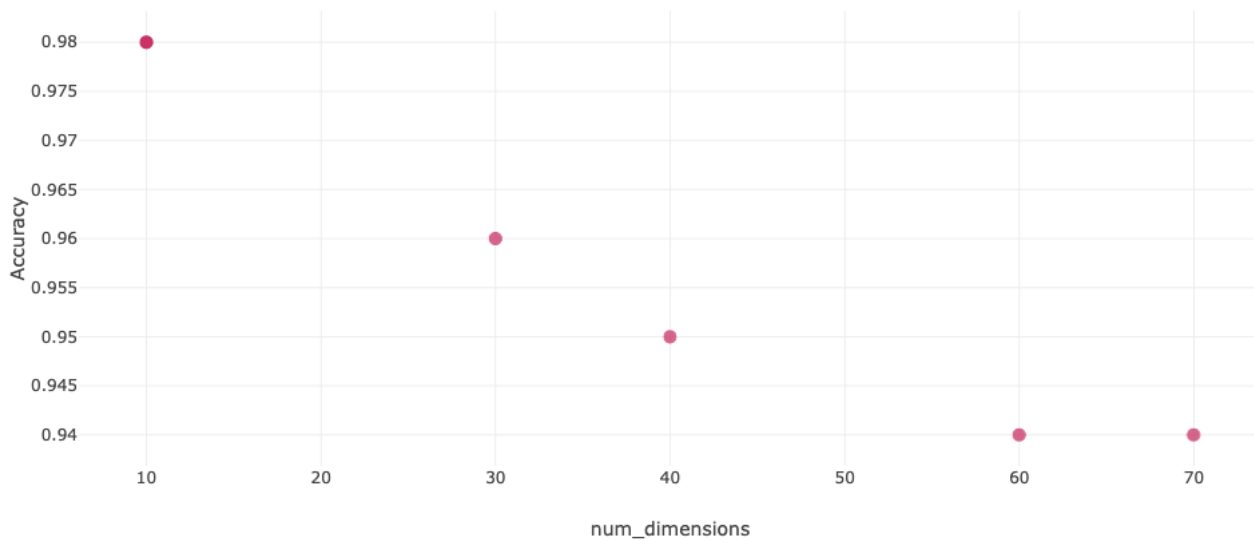
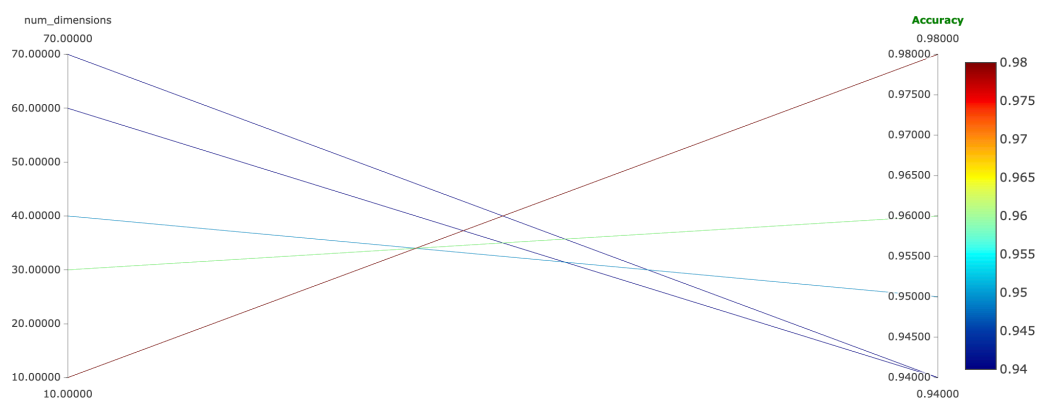
Parameters:

num_dimensions X

Metrics:

Accuracy X

Clear All



Best Parameters:
Dimensions: 10.

Elastic-net model for l1-ratio and alpha values

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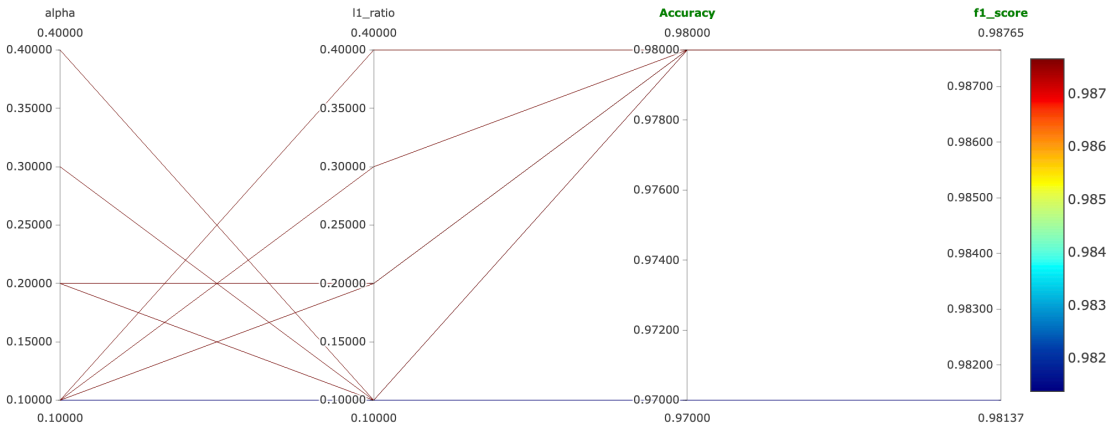
Parameters:

alpha X l1_ratio X

Metrics:

Accuracy X f1_score X

Clear All



Run details

Best Parameters: alpha = 0.1, l1_ratio: [0,0.4]

AutoEncoder (learning rate, # hidden neuron, latent dimension, activation.

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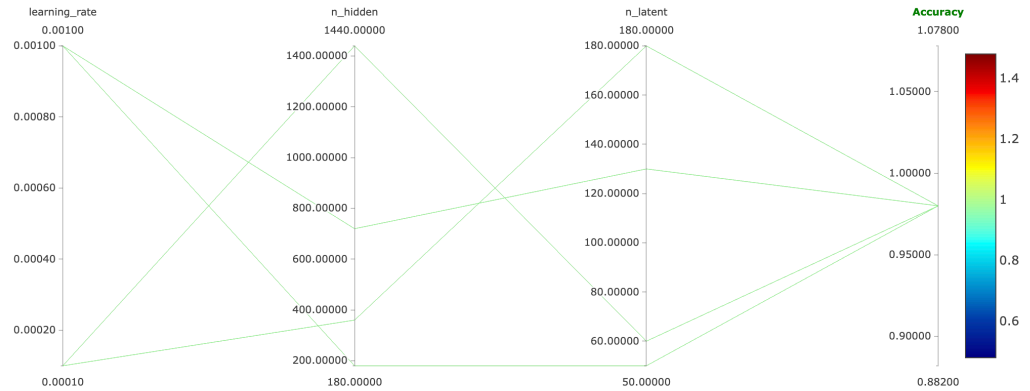
Parameters:

learning_rate X n_hidden X n_latent X

Metrics:

Accuracy X

Clear All



Best and efficient Params:

lr = 1e-3, n_hidden=180, n_latent=50, activation='relu'

