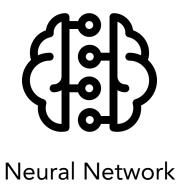
# Concrete Pump Size Classification

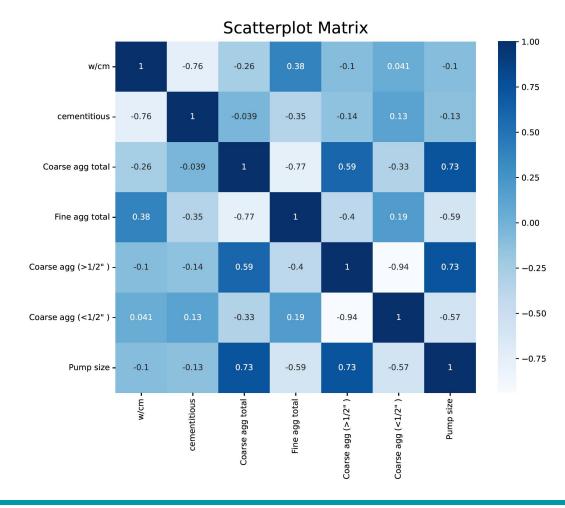
PARISIab Research Project Nick Monozon

### Overview

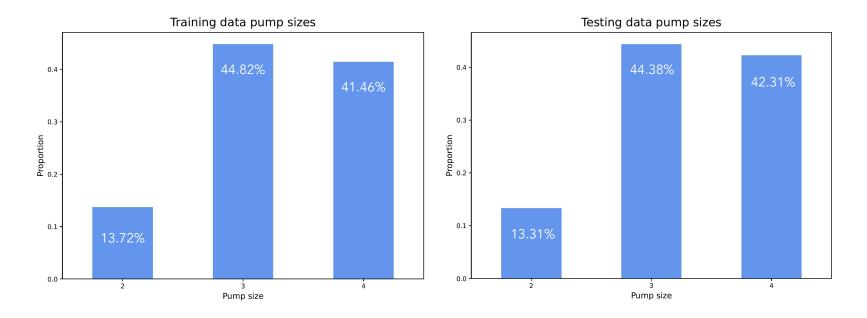






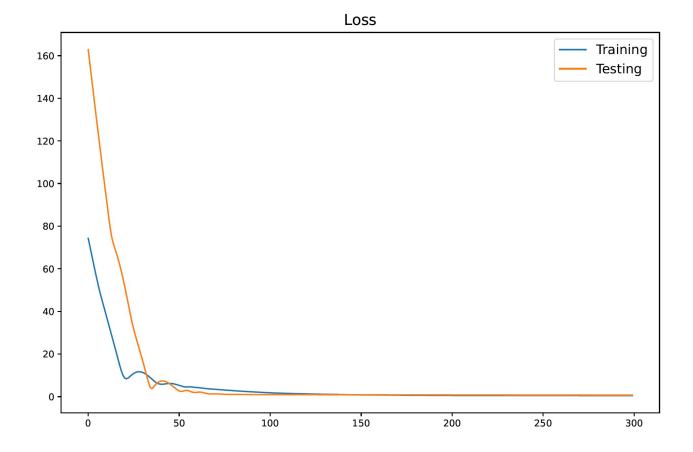


### Training and testing datasets (n=5747)



#### Model details

- 2 hidden layers
  - 16 and 8 neutrons respectively
- CrossEntropyLoss
- ReLU activator
- Adam optimizer (Ir=0.001)
- 300 epochs for training data





Accuracy: 84.30%

Accuracy: 83.02%

#### Future directions

- Hyperparameter optimization
- Stochastic Gradient Descent (SGD)
  - Momentum
- Revisit classification task with GPR

## Thank you!