Compressed Neural Network

Project Work of Intelligent Systems

Epidemics Rebuild pipelines

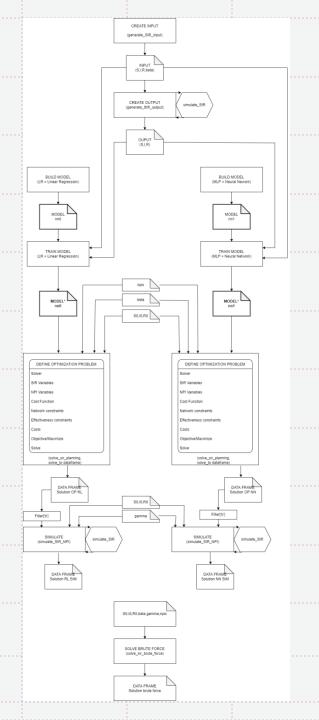
From

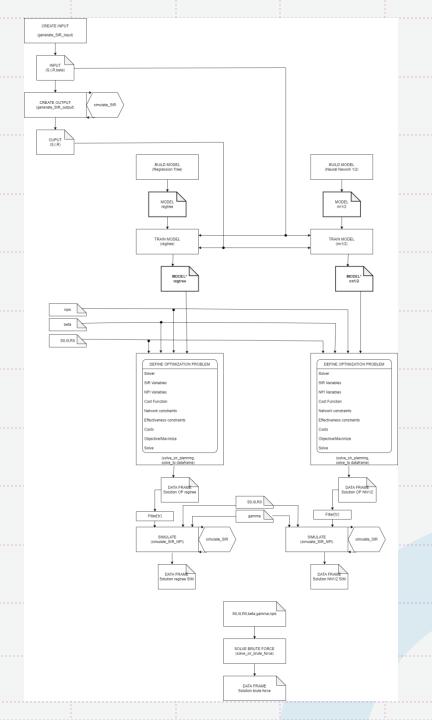
DecisioneTree and single NN

DecisionTree and multiple NN

Pipeline

Data Train Encode Solve Simulate **Brute Force**





Epidemics

TensorFlow Model Optimization Toolkit

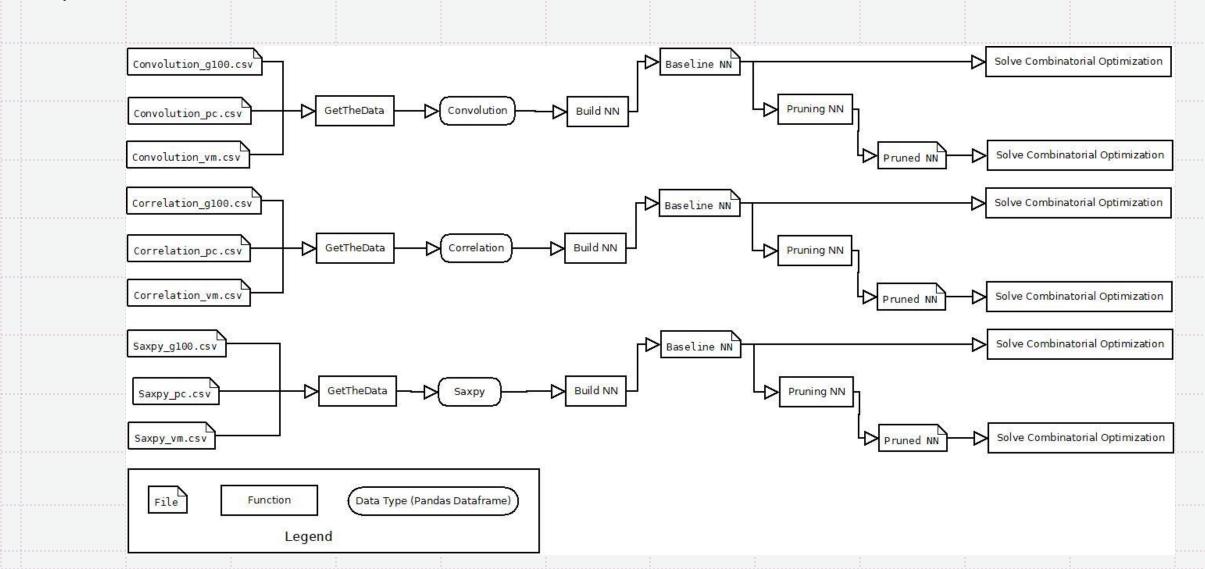
- Post Training Quantization
 - **Pro**: reduce size, most technique do not lose accuracy
 - Cons: does not allow encoding in EML
- Pruning
 - **Pro**: does not lose accuracy, allows encoding in EML
 - 2 Cons: increase file size



TensorFlow

Transprecision Computing

Pipeline



Result

