INSURANCE FAULT DETECTION USING UNSUPERVISED SEQUENTIAL ANOMALY DETECTION

THE MODELS

THE SIMPLE MODEL

- HIT RATE 19%
- THRESHOLD 10 DAYS

THE INTERMEDIATE MODEL

- DECISION TREE
- HIT RATE 10%
- 8 OPTIMAL NUMBER OF LEAVES

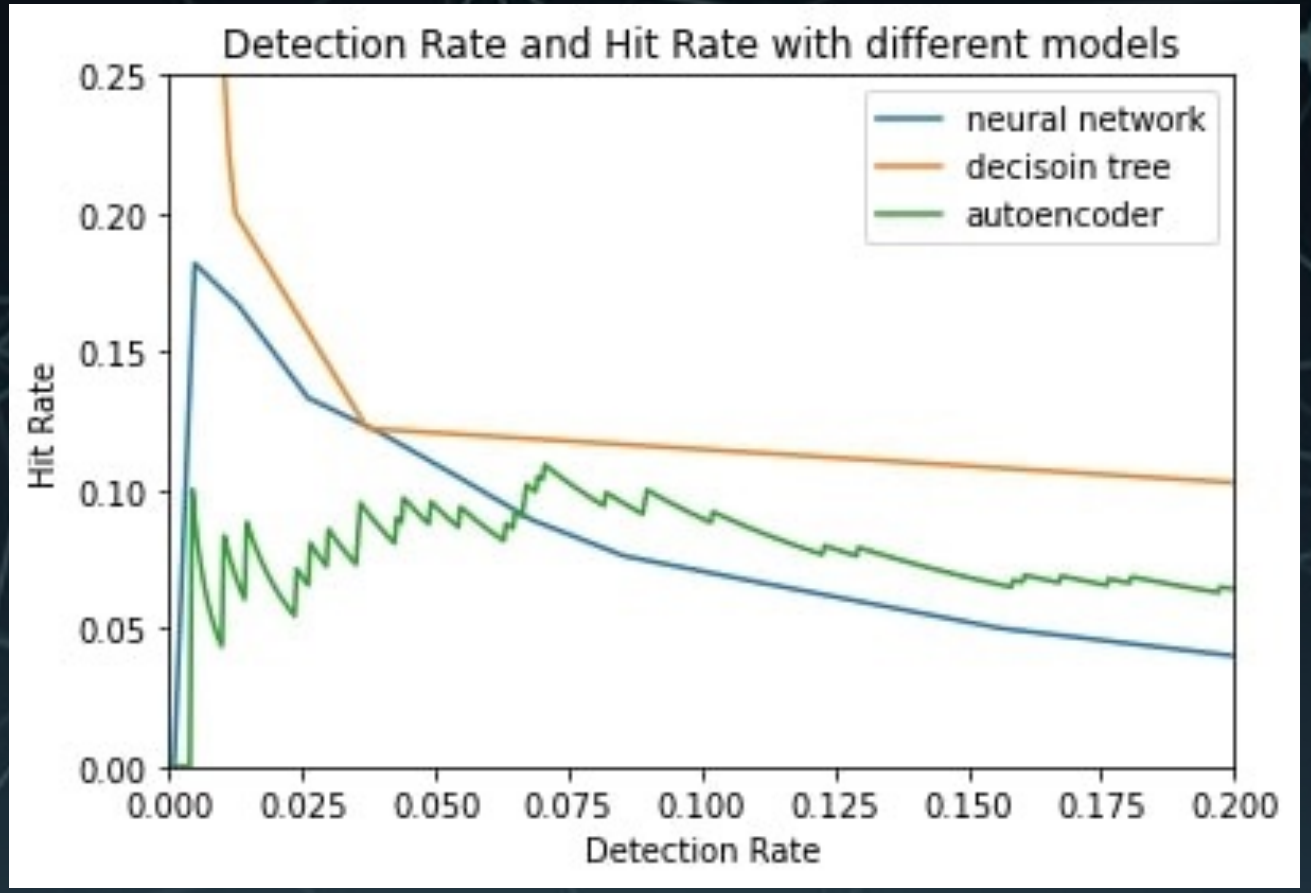
THE COMPLEX MODEL

- TENSORFLOW
- RMCprop
- ADAM
- HIT RATE 6%

AUTOENCODER

- TENSORFLOW
- SCALING
- tanh & RELU ACTIVATION
- EPOCHS

COMPARING THE MODELS



COMPARING THE MODELS

COMPLEXITY	SIMPLE MODEL	DECISION TREE	NEURAL NETWORK	AUTOENCODER
TRANSPARENCY	FULLY TRANSPERENT	TRANSPARENT/ MORE INTERPRETABLE	NO TRANSPARENCY	NO TRANSPARENCY
ACCURACY	NO ACCURACY	LIMITED	MORE ACCURATE	MOST ACCURATE