

### Scenario I



#### Time Series

(Att1 at Att6 and Machine Status)

### Scenario II



#### Entropy-Complexity HxC

(H, C, Dimension and Machine Status)

### Scenario III



#### Time Series and HxC

(Att1 at Att6, Dimension, HxC, Machine Status)

### Pre-processing

#### Normalized

(StandardScaler)

Train 70% and Test 30%

### Machine Learning

#### Supervised Learning

#### Classification

FNN

SVM

Network Encoder + SVM

Decision Tree