PLANT/INDUSTRIAL DATA MODEL ANALYSIS

INPUTS- 400 X 15

OUTPUTS - 400 X 4

- ETHYLENE
- PROPYLENE
- RPG
- C4

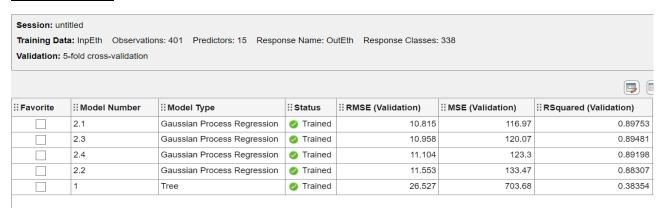
4 Models --- each output column was individually mapped with input columns.

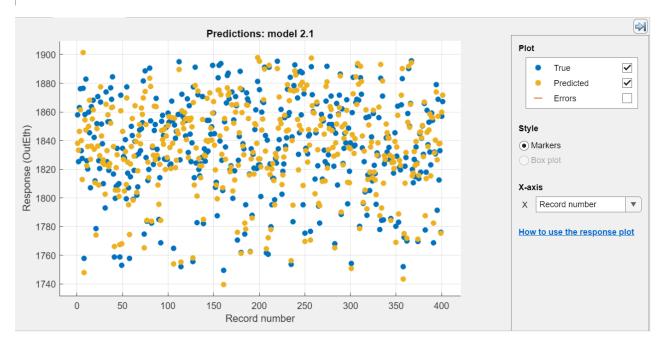
The given data was cleaned thoroughly so that the average error in each model was minimised to the greatest extent.

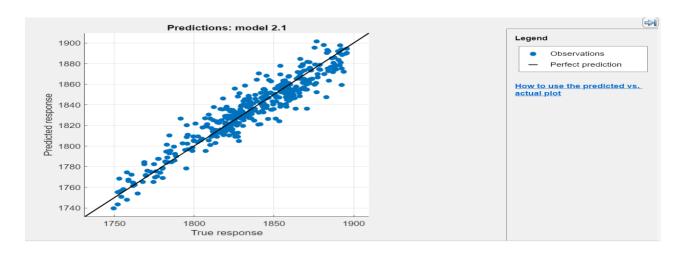
INPUT VS ETHYLENE

MODEL: GAUSSIAN PROCESS REGRESSION(EXPONENTIAL)

R-SQUARED ERROR: 0.89753



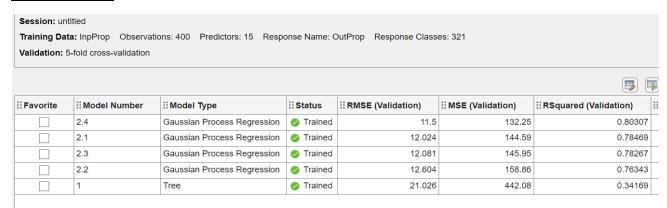


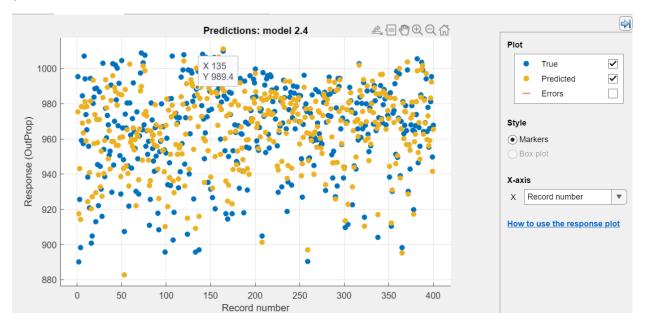


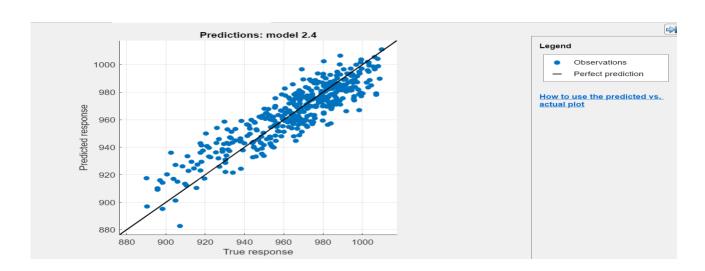
INPUT VS PROPYLENE

MODEL: GAUSSIAN PROCESS REGRESSION(EXPONENTIAL)

R-SQUARED ERROR: 0.80307



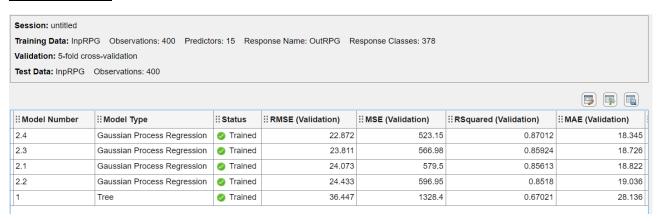


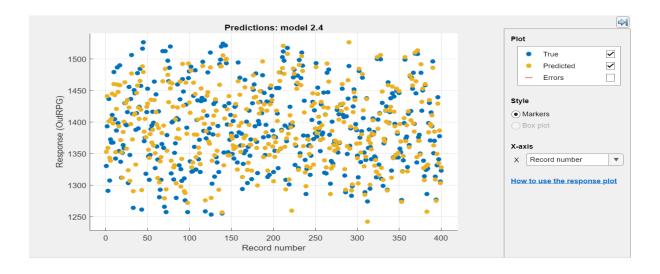


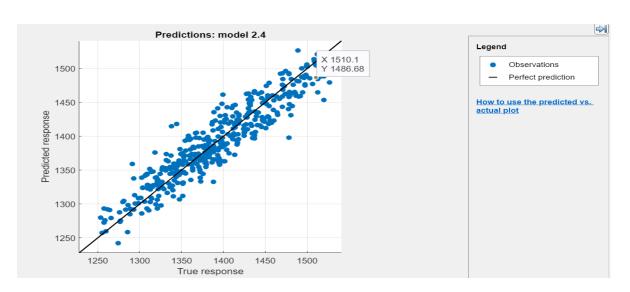
INPUT VS RPG

MODEL: GAUSSIAN PROCESS REGRESSION(EXPONENTIAL)

R-SQUARED ERROR: 0.87







INPUT VS C4

MODEL: GAUSSIAN PROCESS REGRESSION(EXPONENTIAL)

R-SQUARED ERROR: 0.79735

