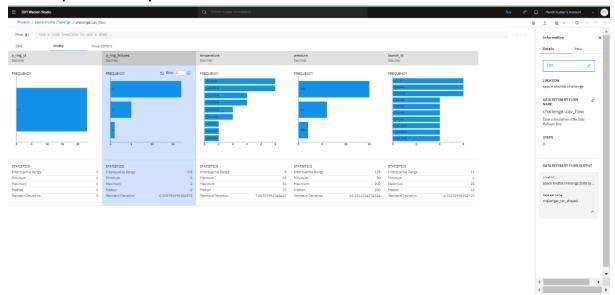
Data Analytics

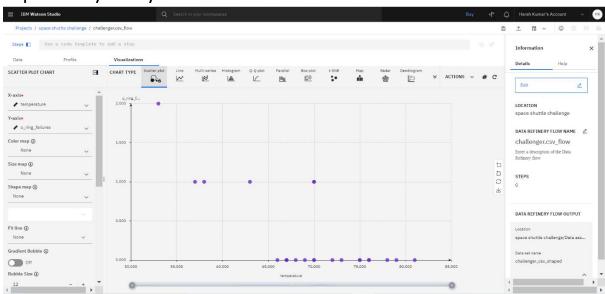
<u>Case Study:</u> Risk Analysis of Space Shuttle, Multiple Linear Regression analysis.

1. Data Refinary

• Descriptive analytics of data

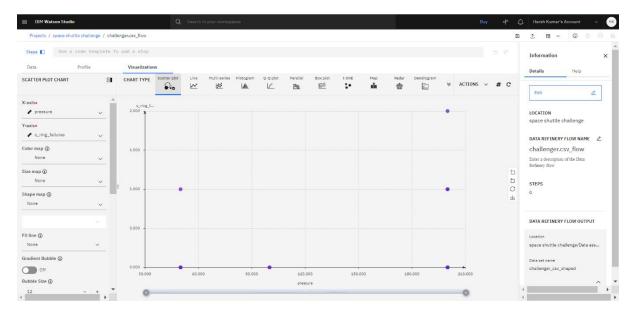


• Exploratory Analytics



x-axis = temperature ,y-axis - o_ring_failures

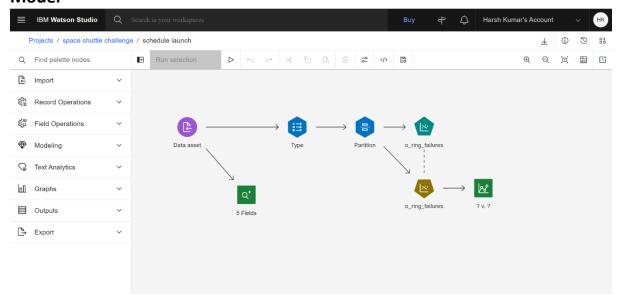
At Lower temperature failure are more, while at higher temperature failure are very less.



x-axis=Pressure, y-axis= o_ring_failures

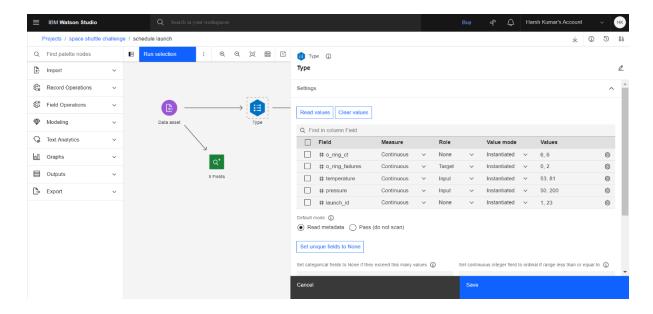
2.SPSS Modeler

Model



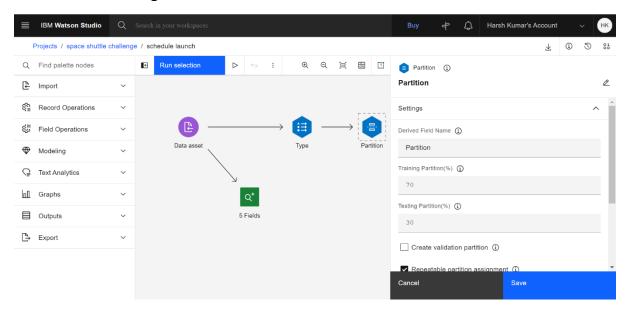
Type node

Temperature as Input
Pressure as input
O_ring_failure as Output or terget
Other as none

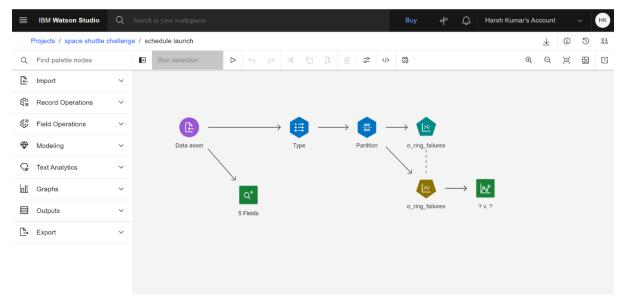


Partition node

Training – 70% Testing – 30%

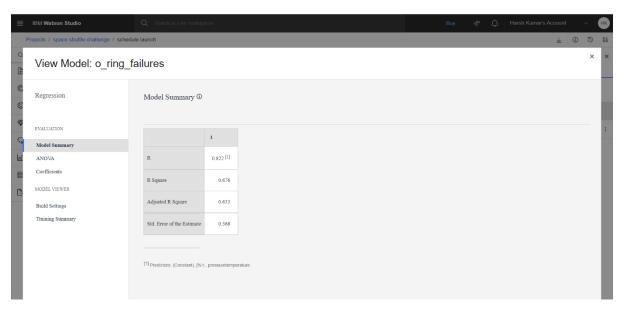


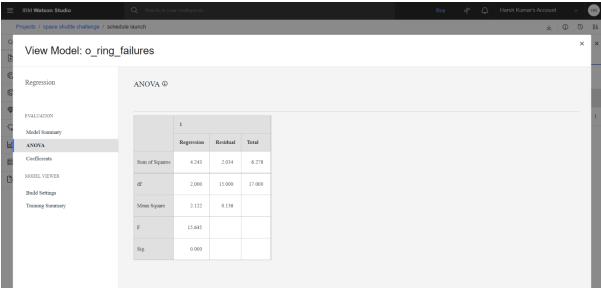
Model

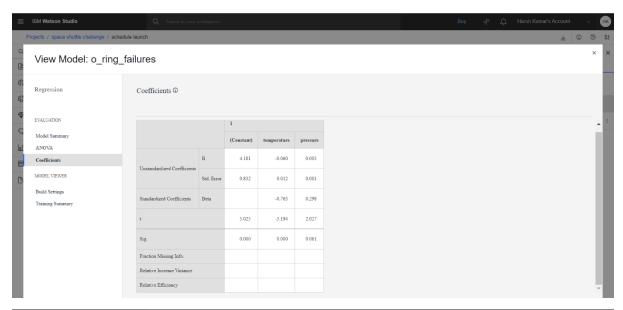


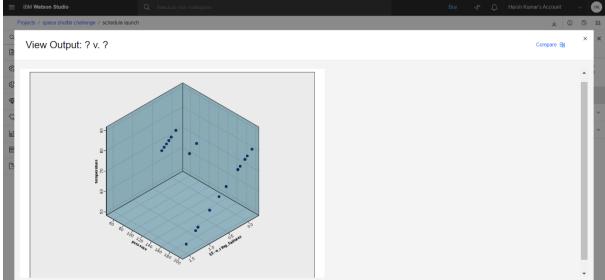
Output

o View Model









o Data Audit

