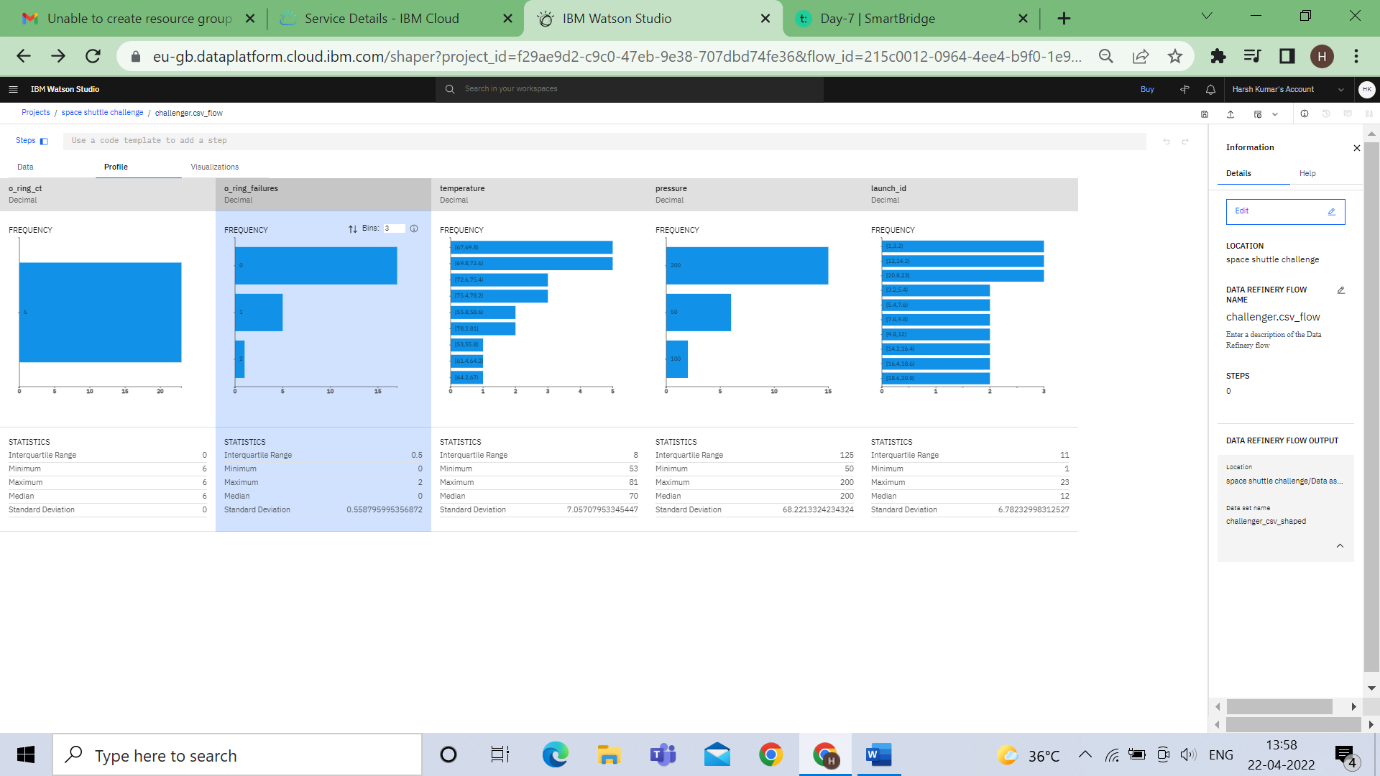
***Data Analytics***

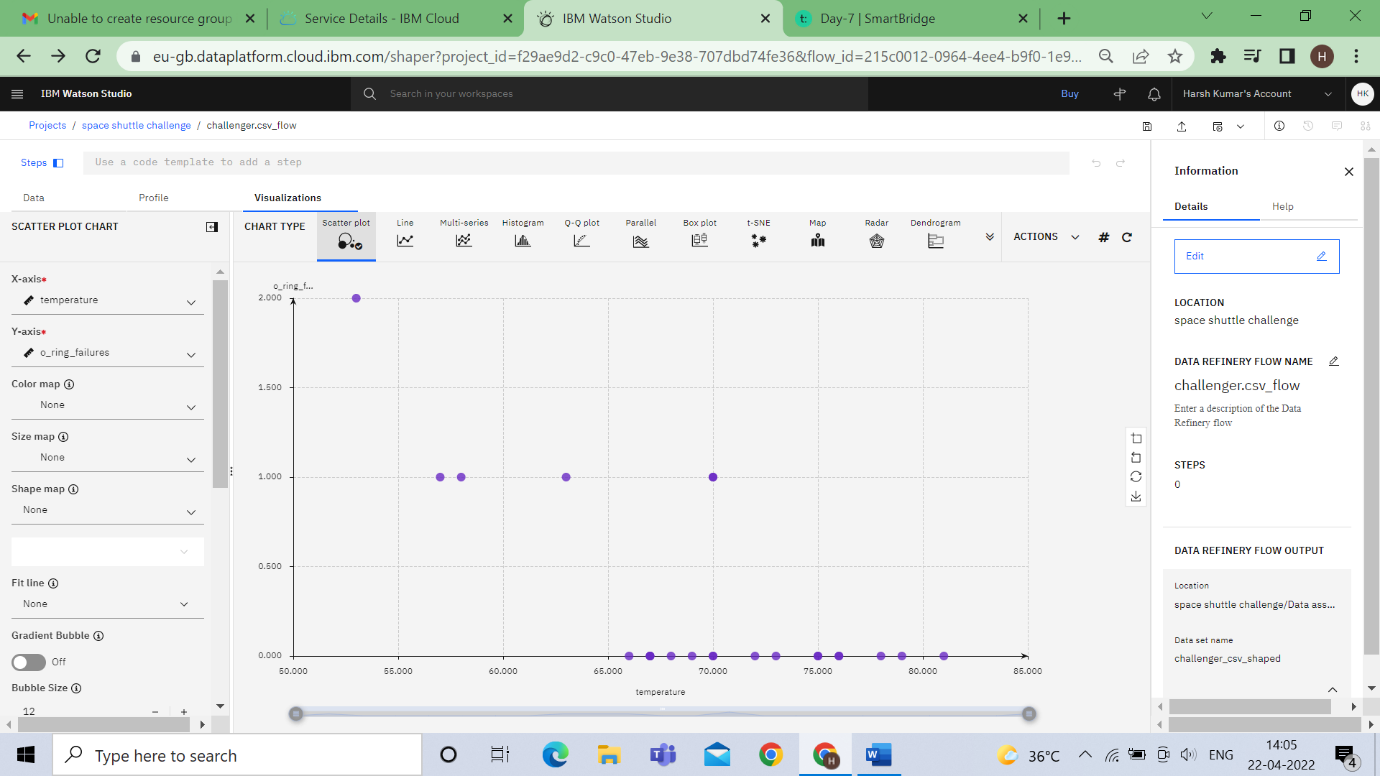
**Case Study: Risk Analysis of Space Shuttle, Multiple Linear Regression analysis.**

1. **Data Refinary**

* Descriptive analytics of data

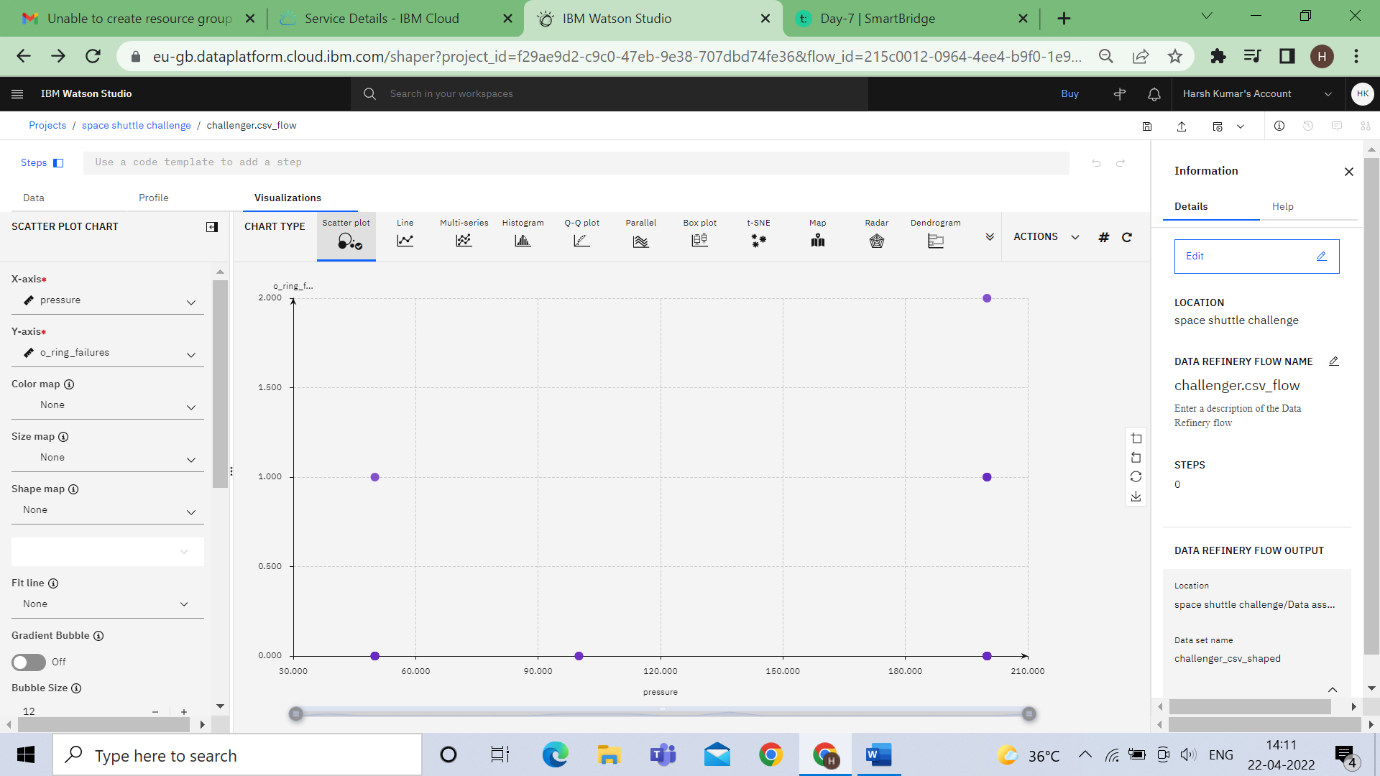


* Exploratory Analytics



x-axis = temperature ,y-axis – o\_ring\_failures

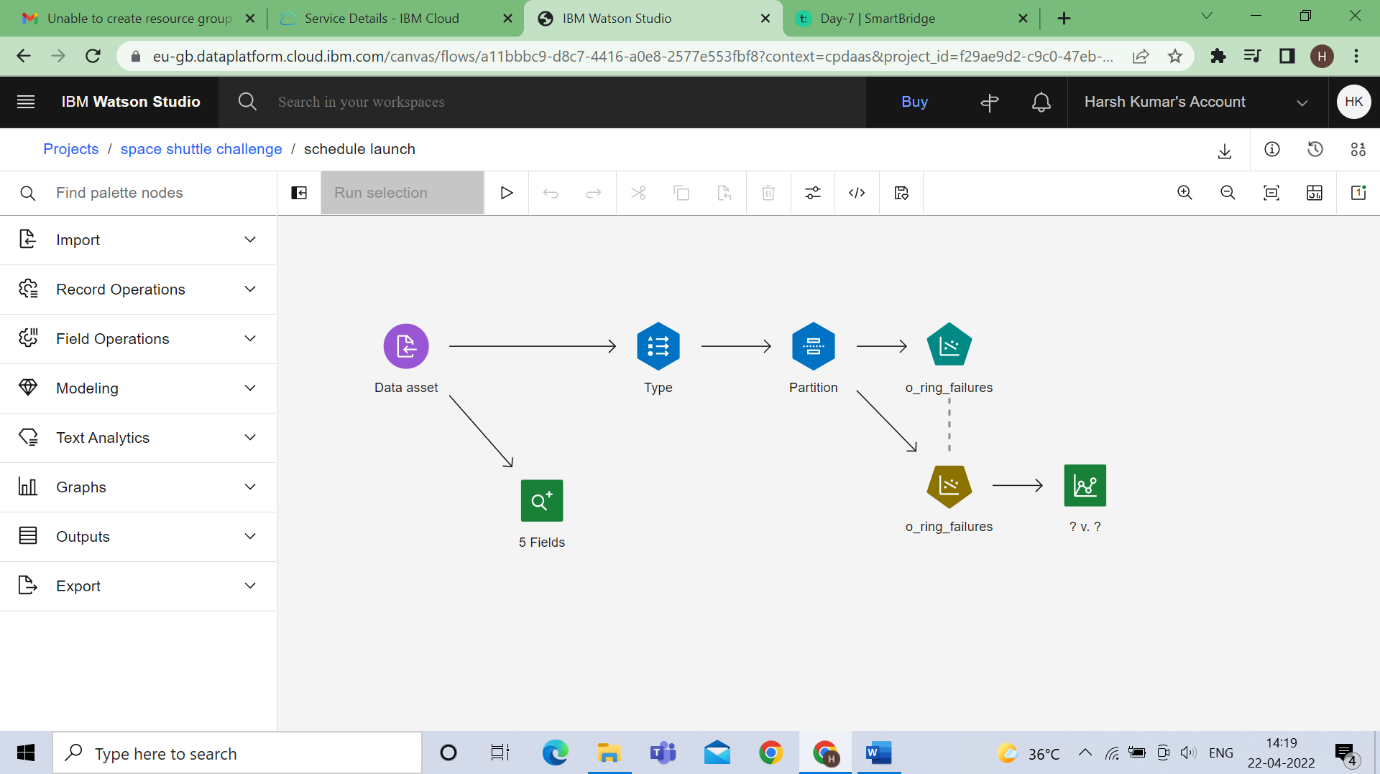
* At Lower temperature failure are more,while at higher temperature failure are very less.



x-axis=Pressure ,y-axis= o\_ring\_failures

**2.SPSS Modeler**

* **Model**

****

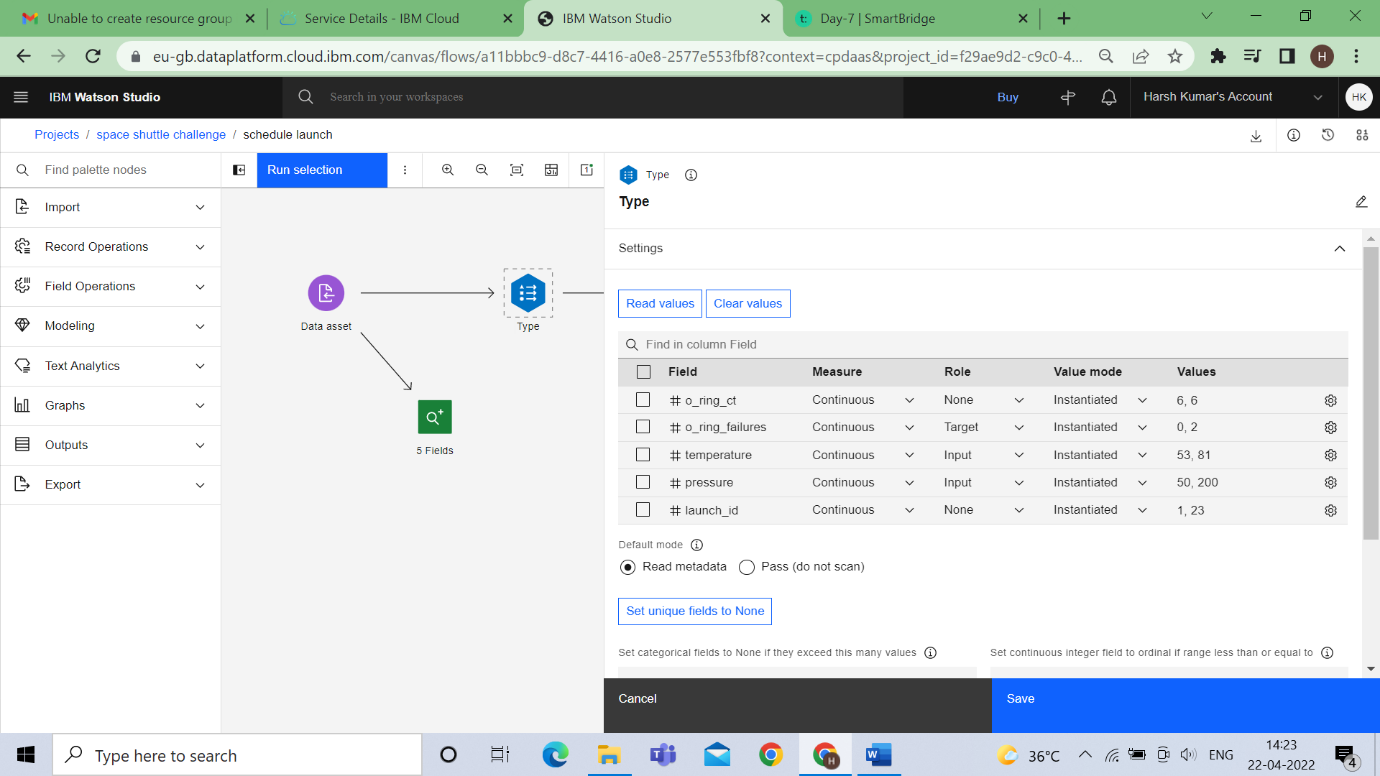
* **Type node**

**Temperature as Input**

**Pressure as input**

**O\_ring\_failure as Output or terget**

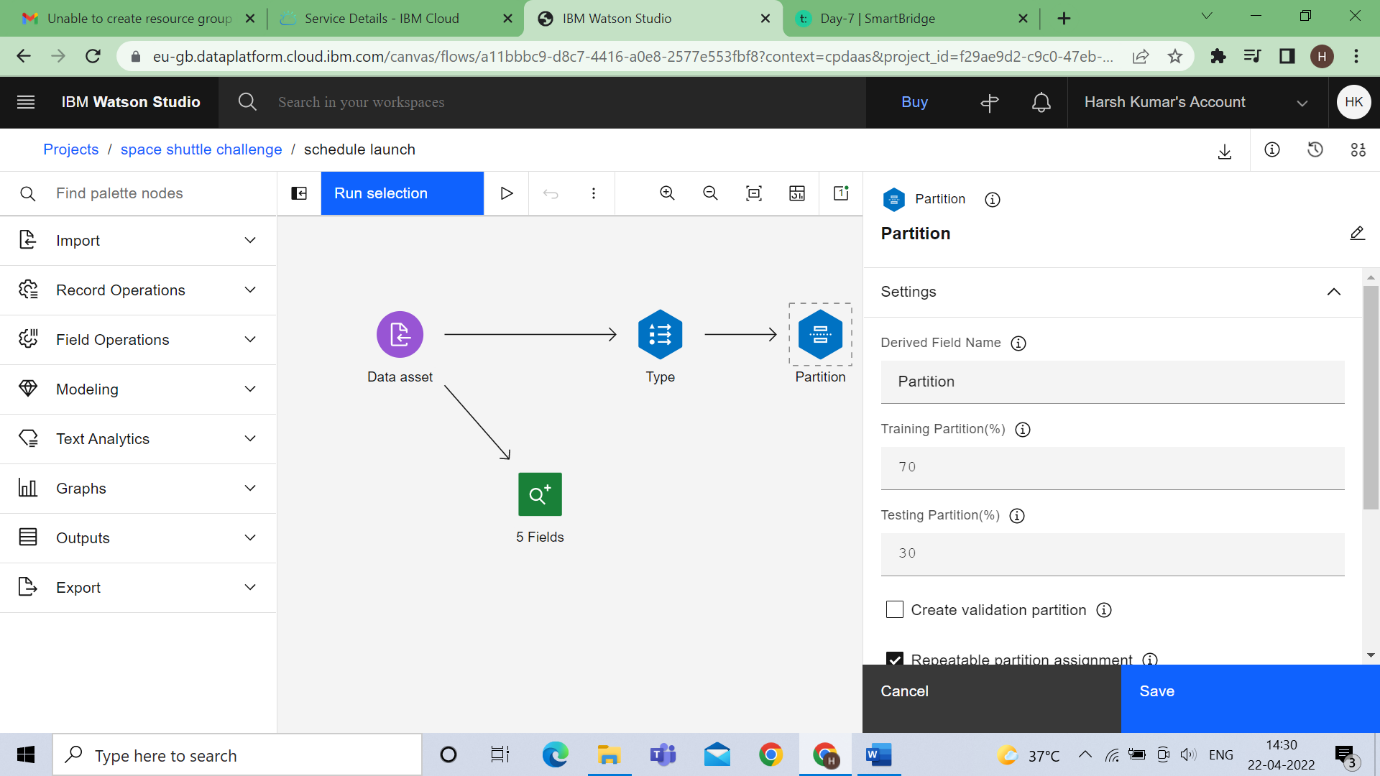
**Other as none**

****

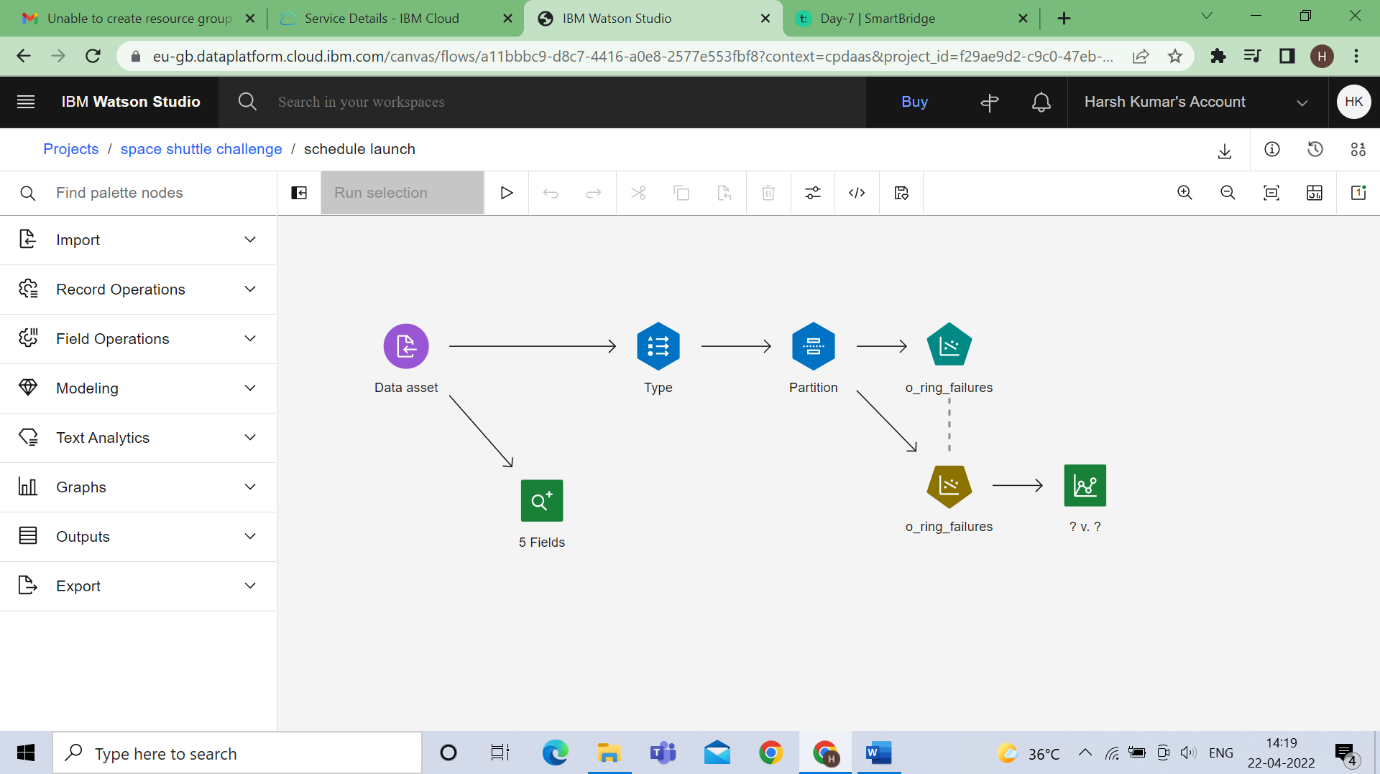
* **Partition node**

**Training – 70%**

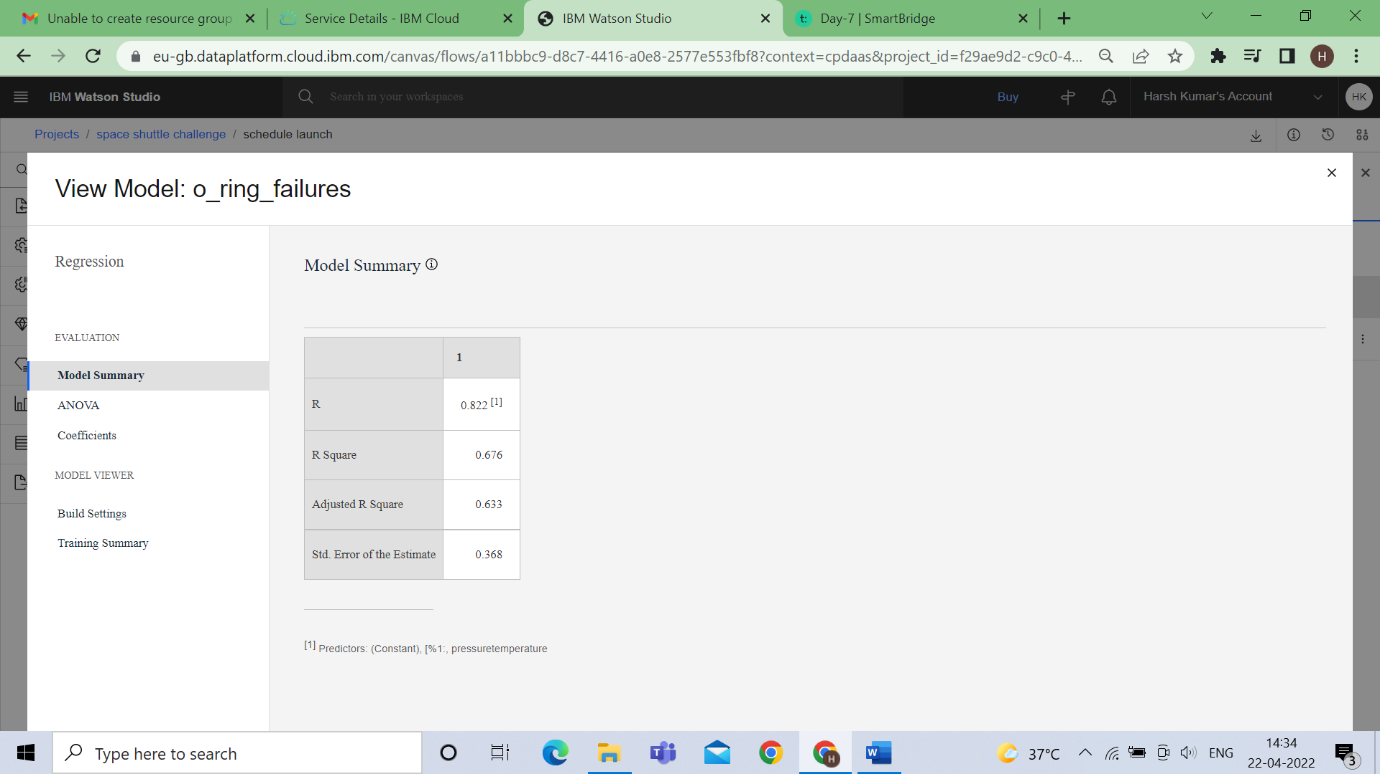
**Testing – 30%**

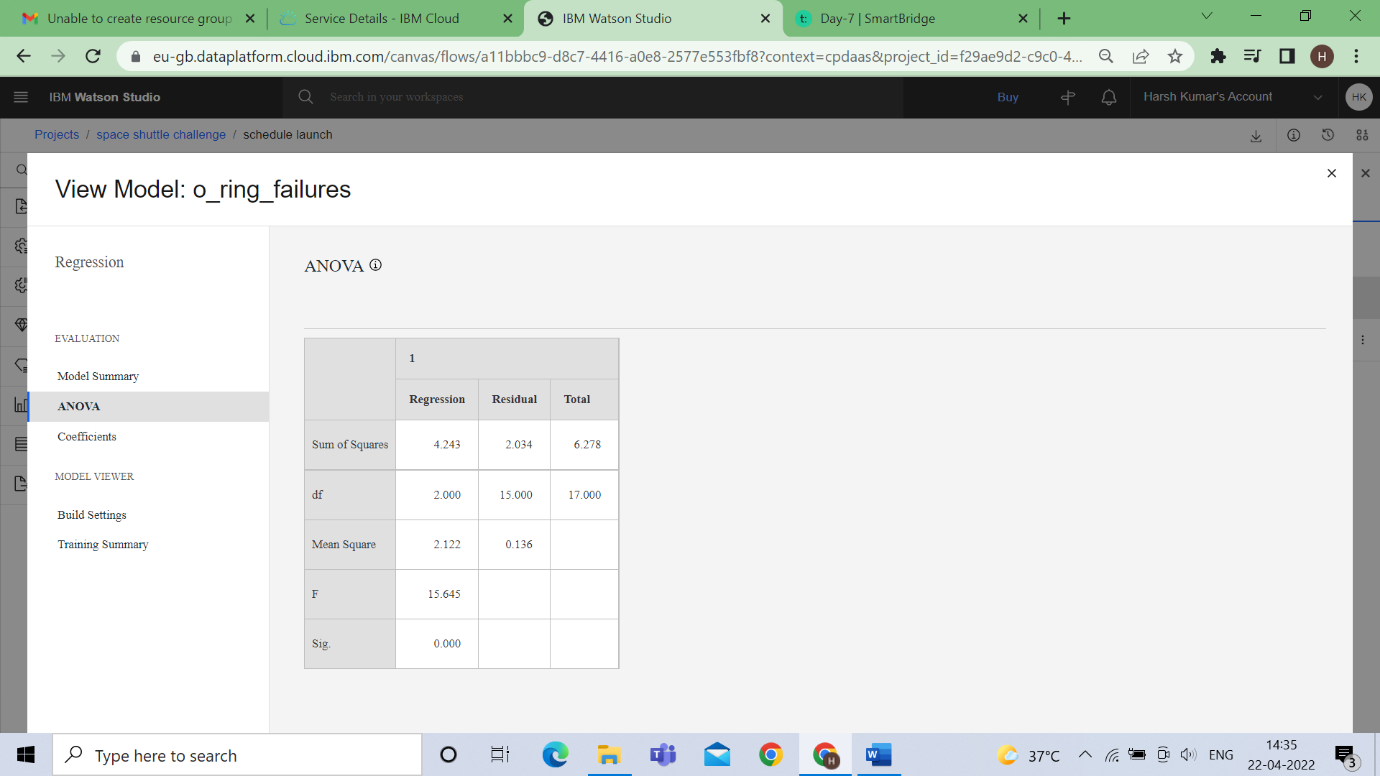
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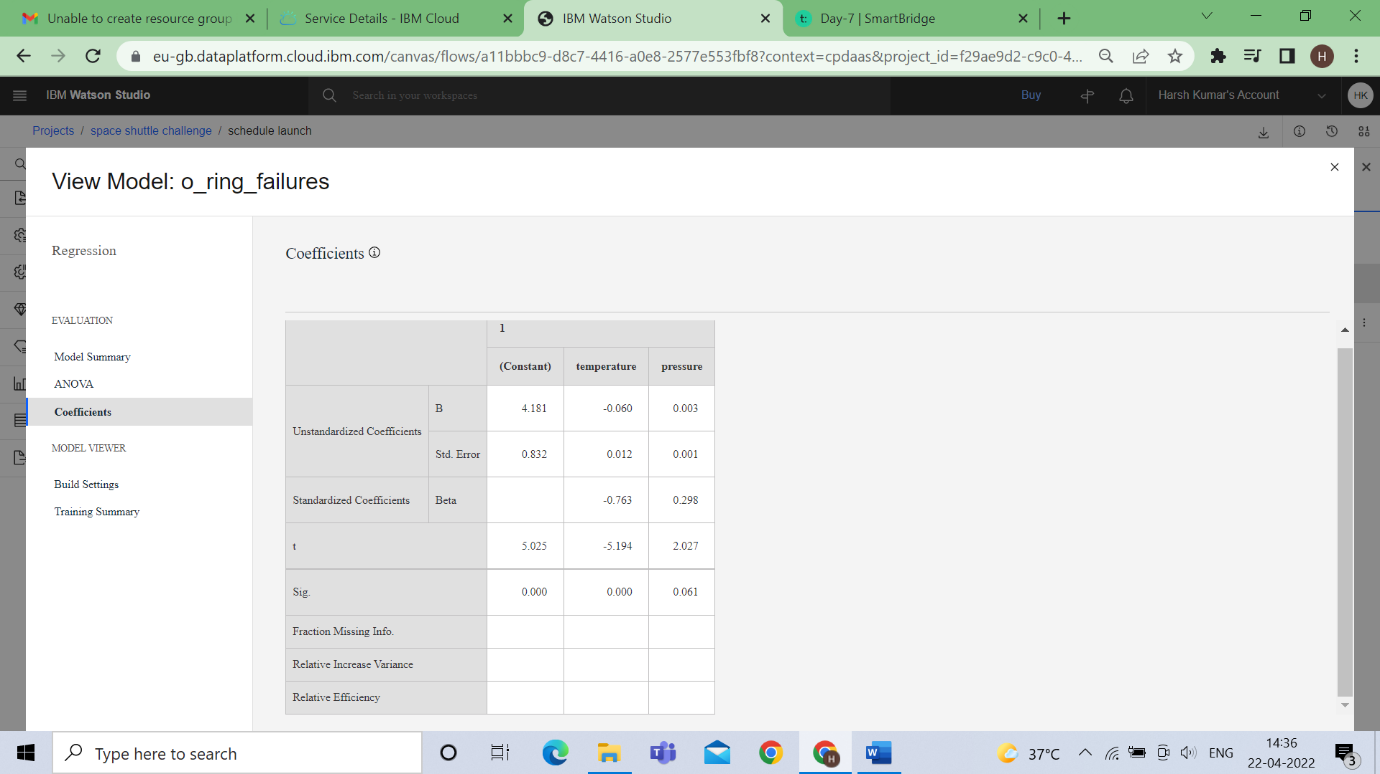
* **Model**

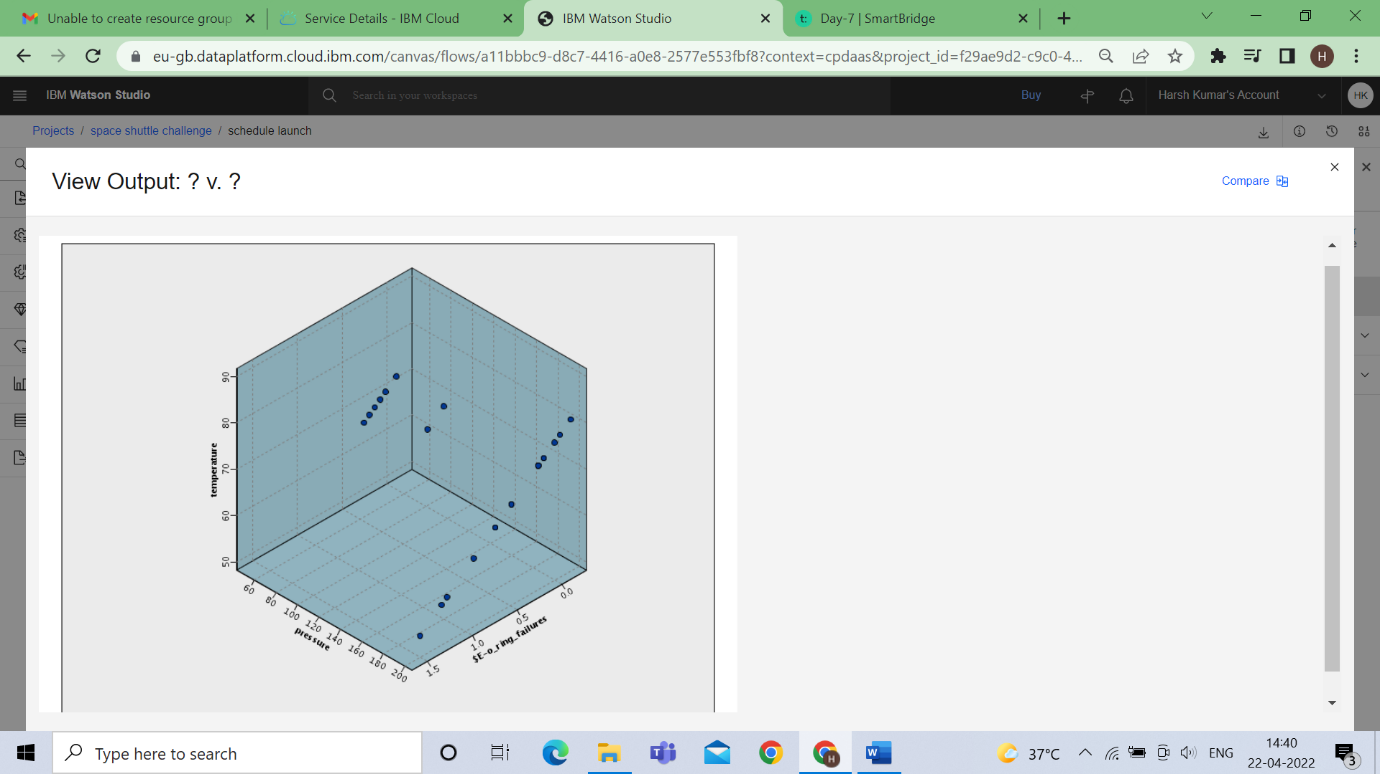
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* **Output**
  + **View Model**

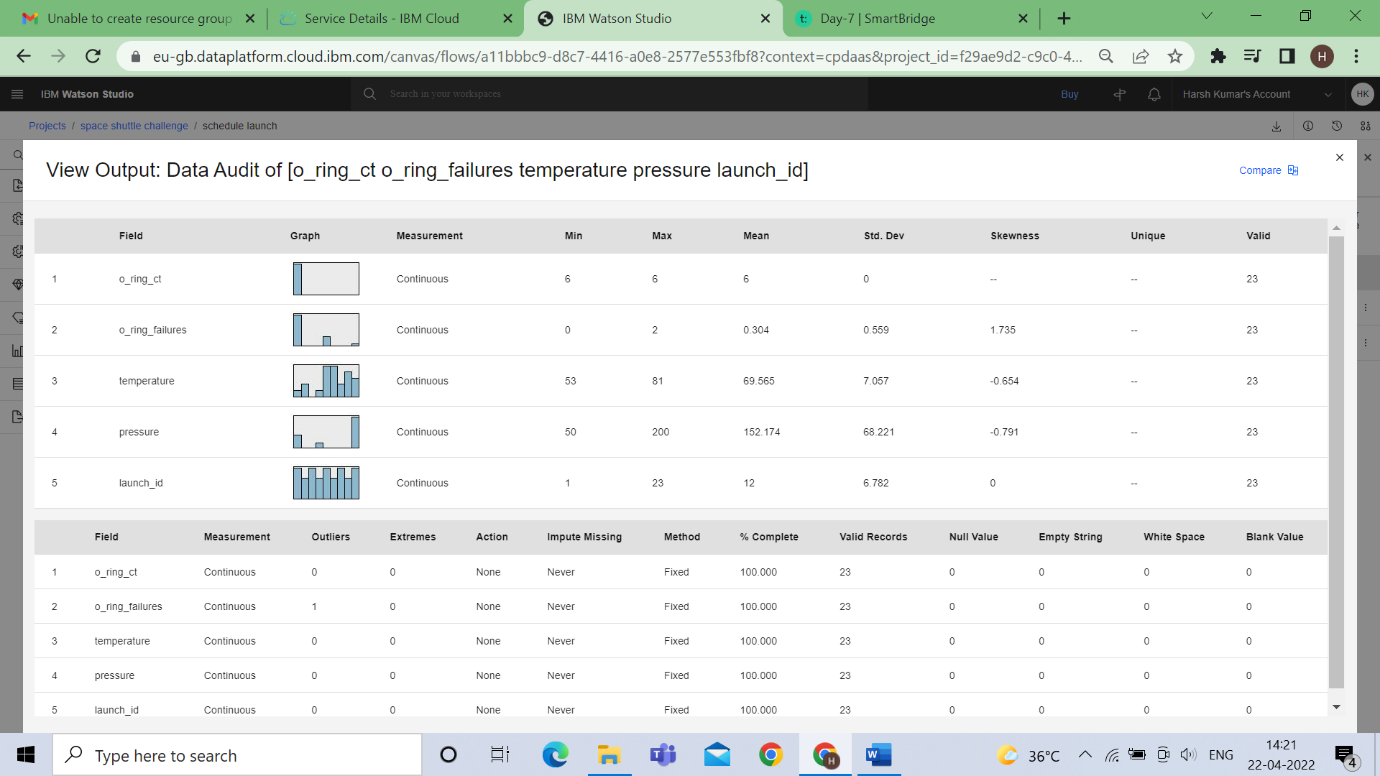
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* + **Data Audit**

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