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**SMIT R PATEL** 

SEM 5

PRACTICAL 16

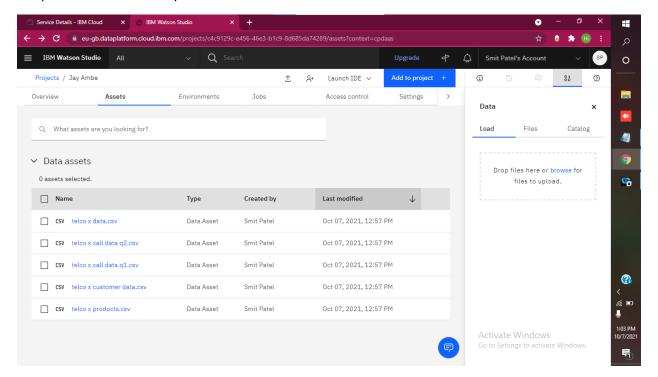
**BIG DATA AND ANALYTICS** 

AIM- To understand the working of SPSS Modeller in Watson Studio.

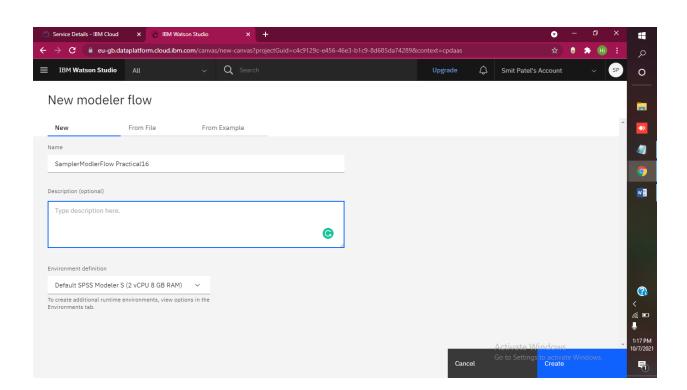
Exercise: Vodafone wants to analyse the factors as to why their customers are disassociating with their company and churning out. They have a few data files in order to help understand the same. Use a tool in the IBM Cloud in order to create a model to get insights and obtain graphs to understand the results better.

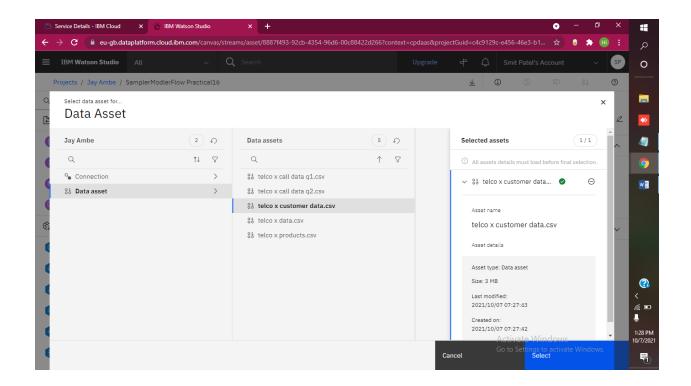
## Tasks:

1. Upload the data files in your Watson Studio Instance.

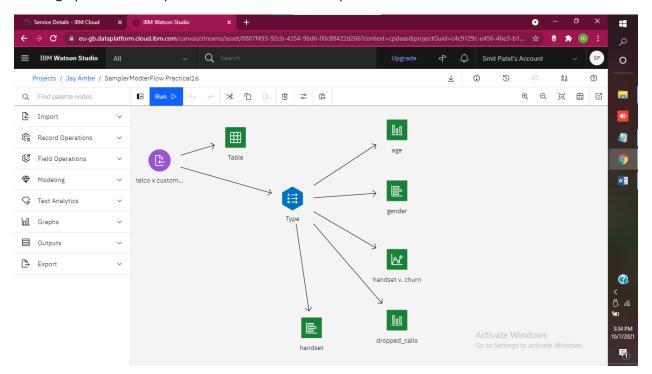


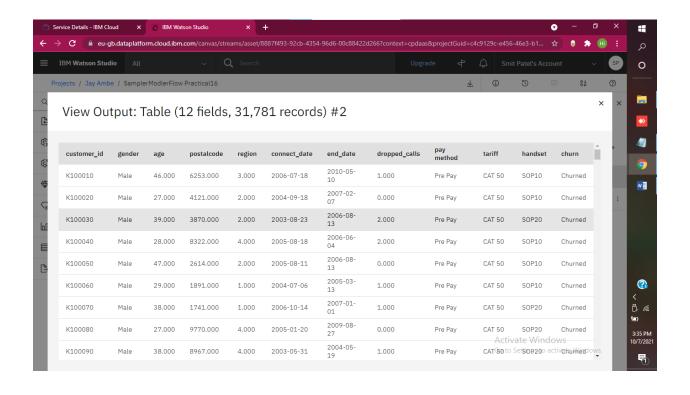
- 2. Understand basics of SPSS and a modeller flow.
- → SPSS stands for **Statistical Package for the Social Sciences**
- → IBM Watson SPSS Modeler flows in Watson Studio provide an interactive environment for quickly building machine learning pipelines that **flow data from ingestion to transformation to model building and evaluation**, without needing any code.
- → SPSS Modeler provides data mining and text analysis software, while SPSS Statistics is an integrated family of products. Both tools enable users **to build predictive models** and execute other analytics tasks.Modeler can apply different processes and algorithms to help the user discover information hidden in the data
- → **IBM SPSS Statistics** (2010) The new official name is now IBM SPSS Statistics and is part of IBM's analytics portfolio
- 3. Create an appropriate SPSS modeller flow to obtain the result.

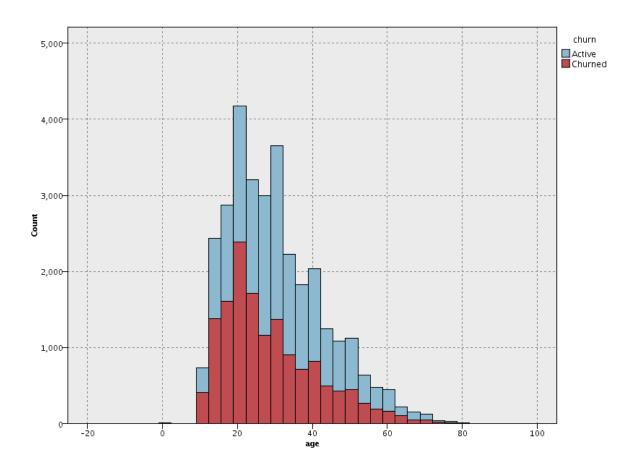


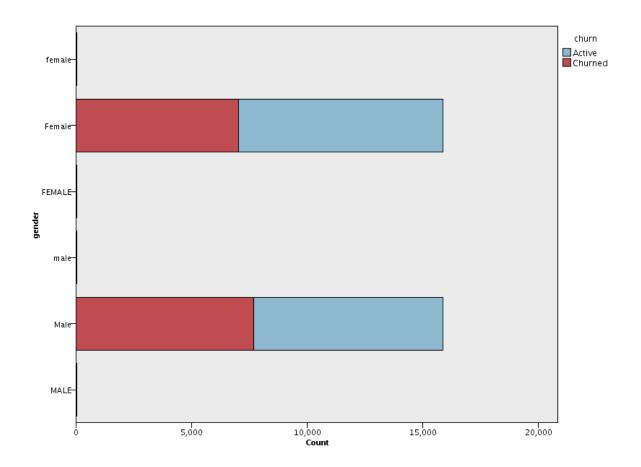


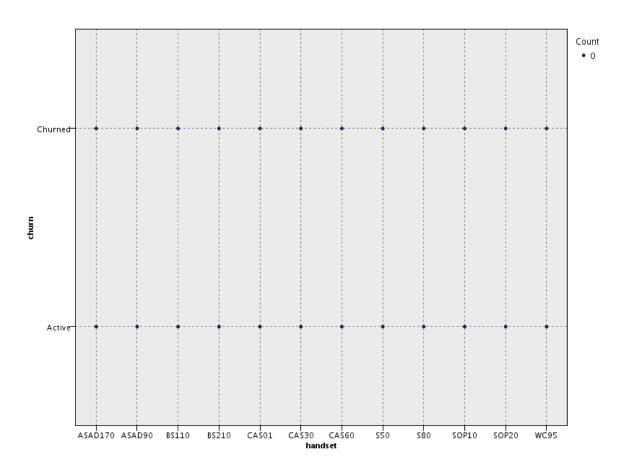
4. Add graph nodes to depict results in the form of Graphs.

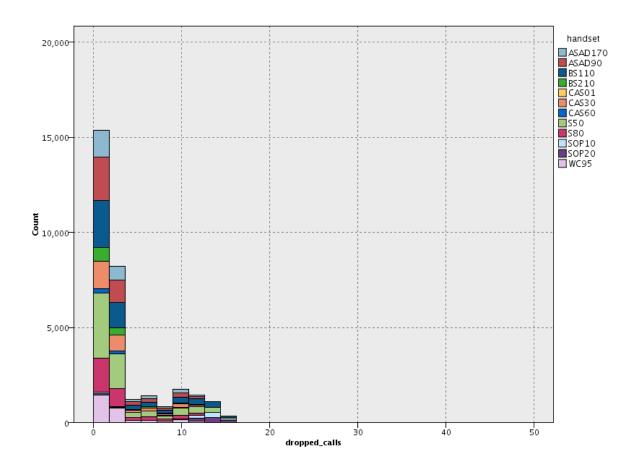


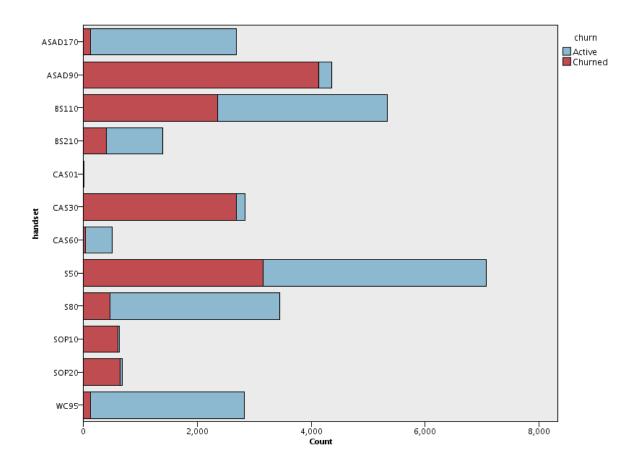












Extra :
Now We get telco x data.csv file for practice more in Watson studio

