Deepak Raj Gupta

19BCE2620

VIT - Vellore

Assignment 03

Problem Statement:

Visualize the following data in IBM cloud using Suitable Models.

1) Insurance

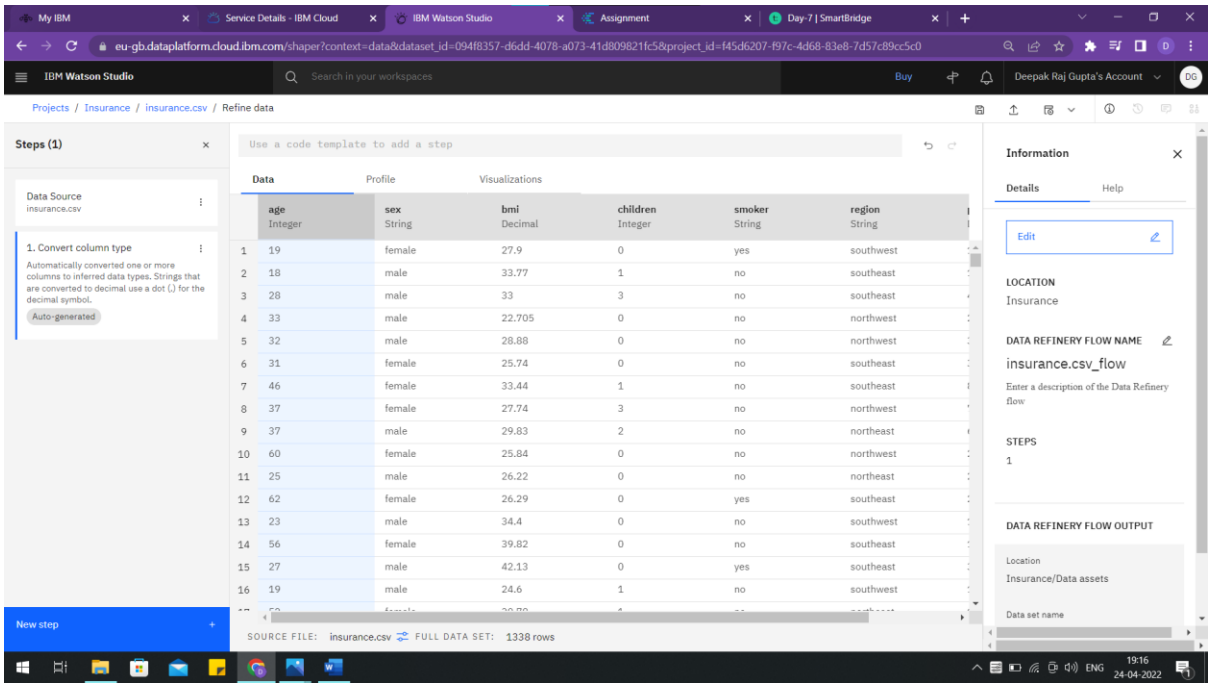


Fig: Refining Data

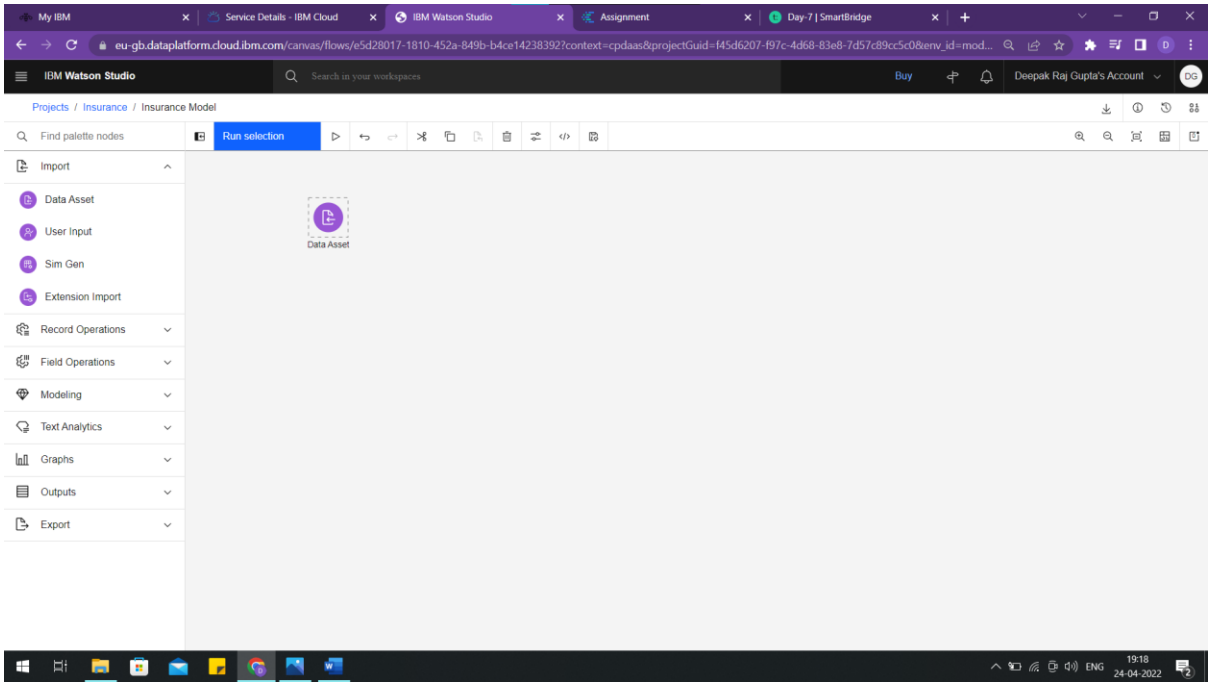


Fig: Importing data into model

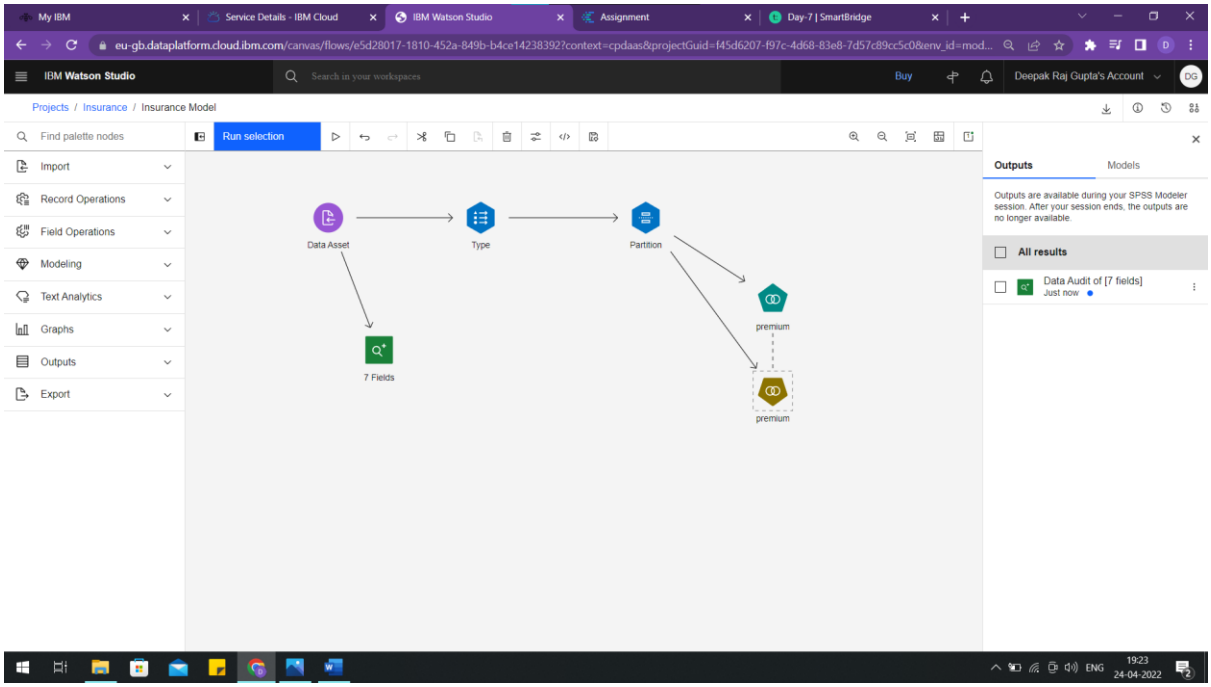


Fig: Creating clustering Model

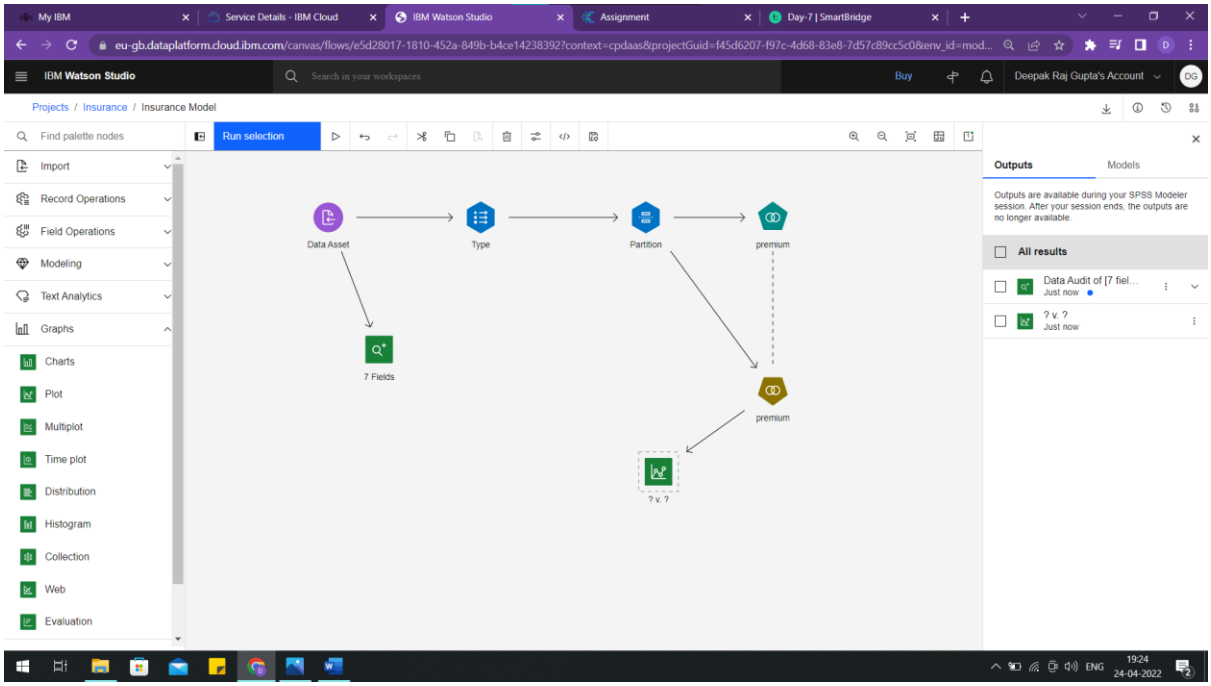


Fig: plotting values on graph

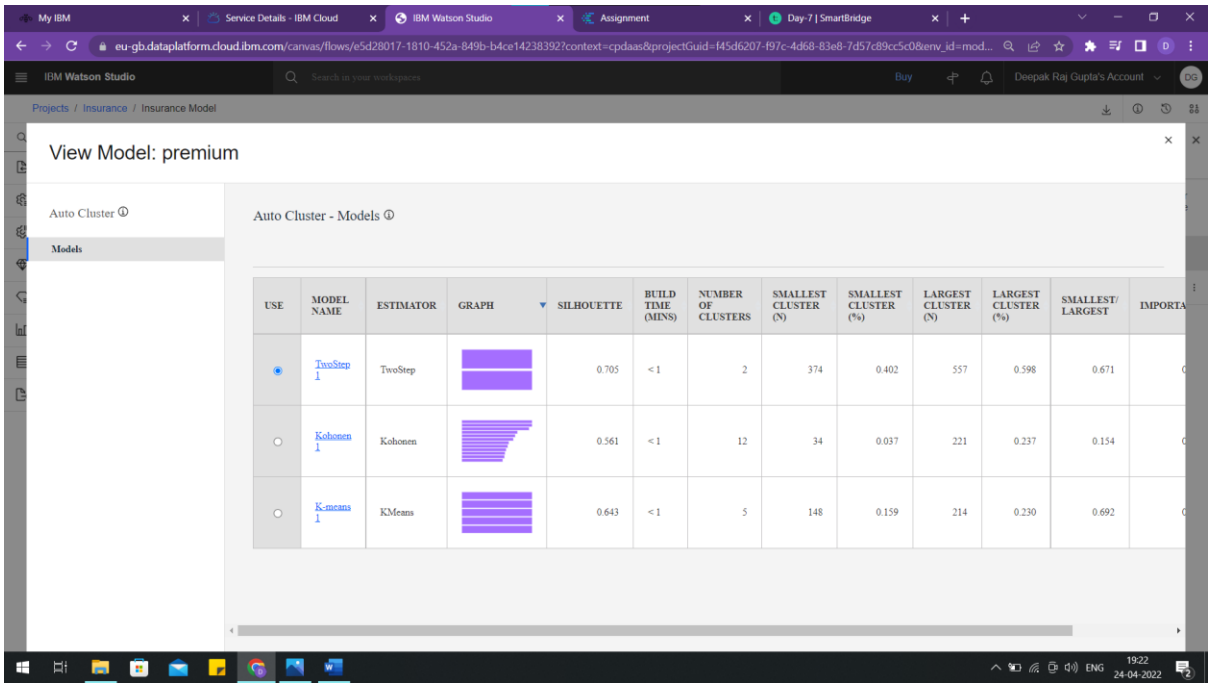


Fig: Model View

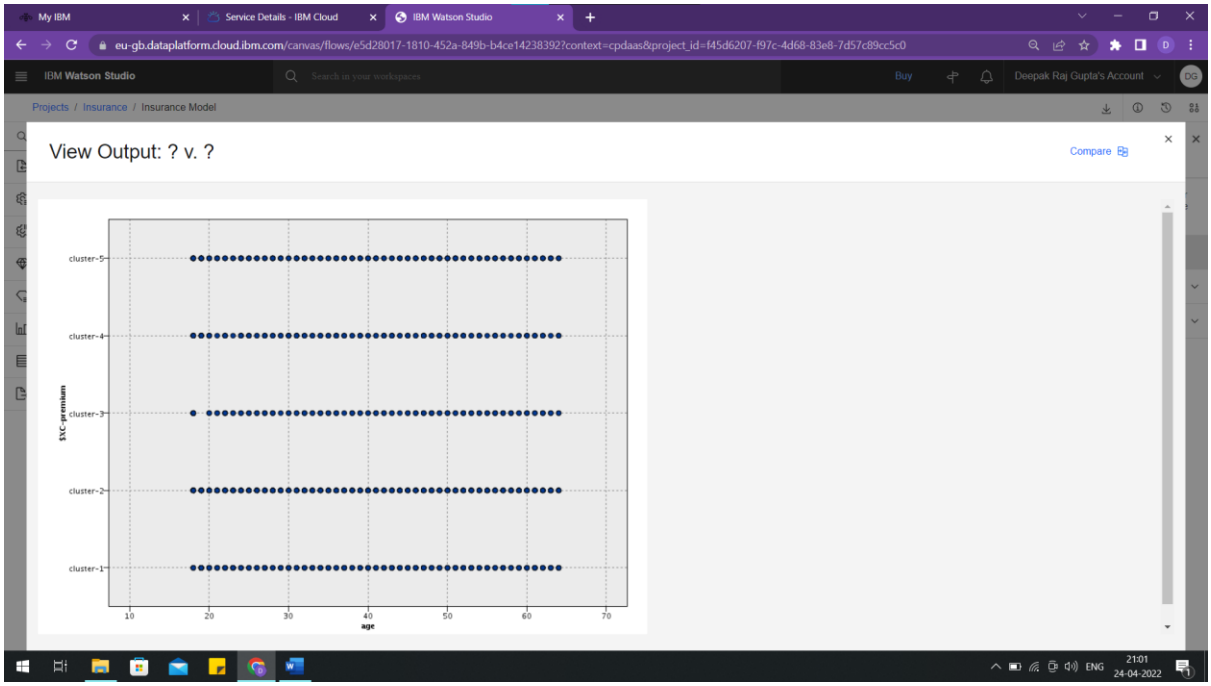
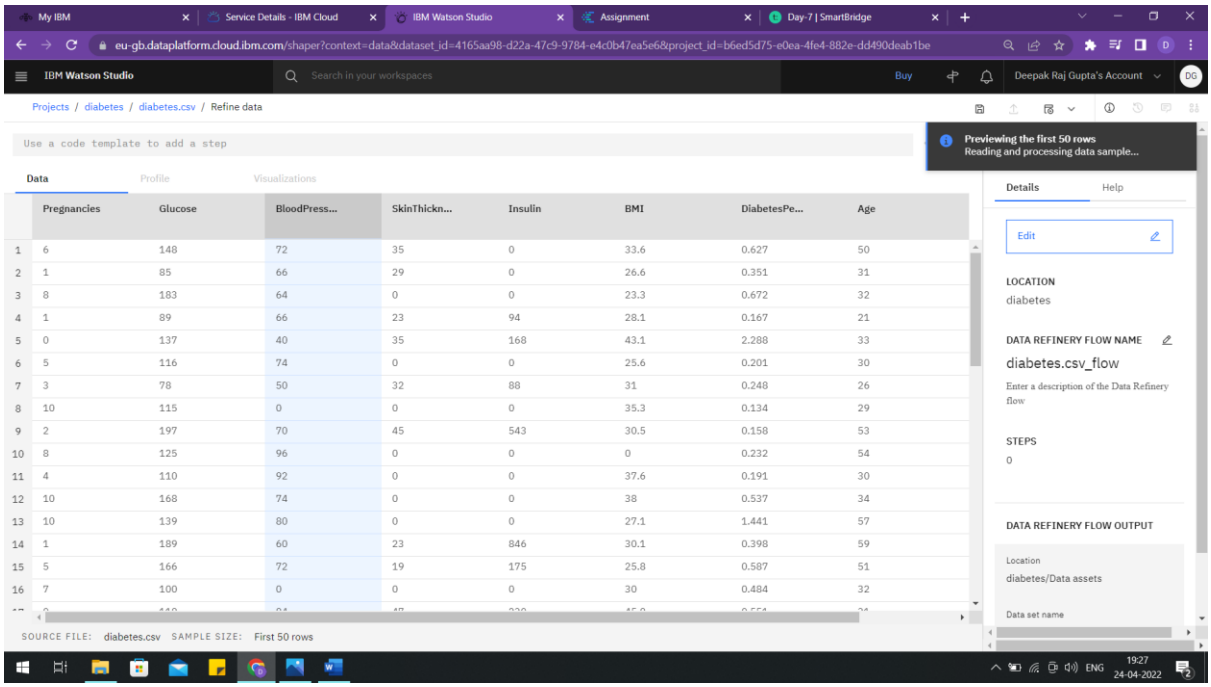


Fig: Data Visualization in graph

2) Diabetes



	Pregnancies	Glucose	BloodPress...	SkinThickn...	Insulin	BMI	DiabetesPe...	Age
1	6	148	72	35	0	33.6	0.627	50
2	1	85	66	29	0	26.6	0.351	31
3	8	183	64	0	0	23.3	0.672	32
4	1	89	66	23	94	28.1	0.167	21
5	0	137	40	35	168	43.1	2.288	33
6	5	116	74	0	0	25.6	0.201	30
7	3	78	50	32	88	31	0.248	26
8	10	115	0	0	0	35.3	0.134	29
9	2	197	70	45	543	30.5	0.158	53
10	8	125	96	0	0	0	0.232	54
11	4	110	92	0	0	37.6	0.191	30
12	10	168	74	0	0	38	0.537	34
13	10	139	80	0	0	27.1	1.441	57
14	1	189	60	23	846	30.1	0.398	59
15	5	166	72	19	175	25.8	0.587	51
16	7	100	0	0	0	30	0.484	32

Fig: Data Refining

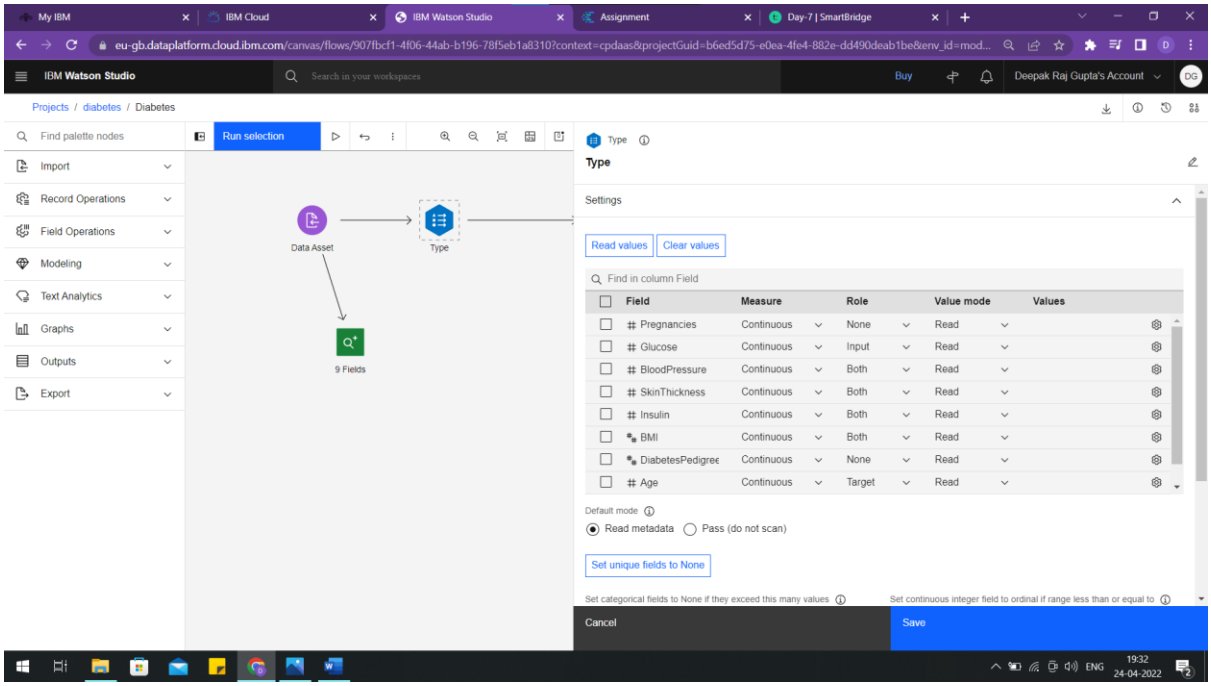


Fig: Defining type of data

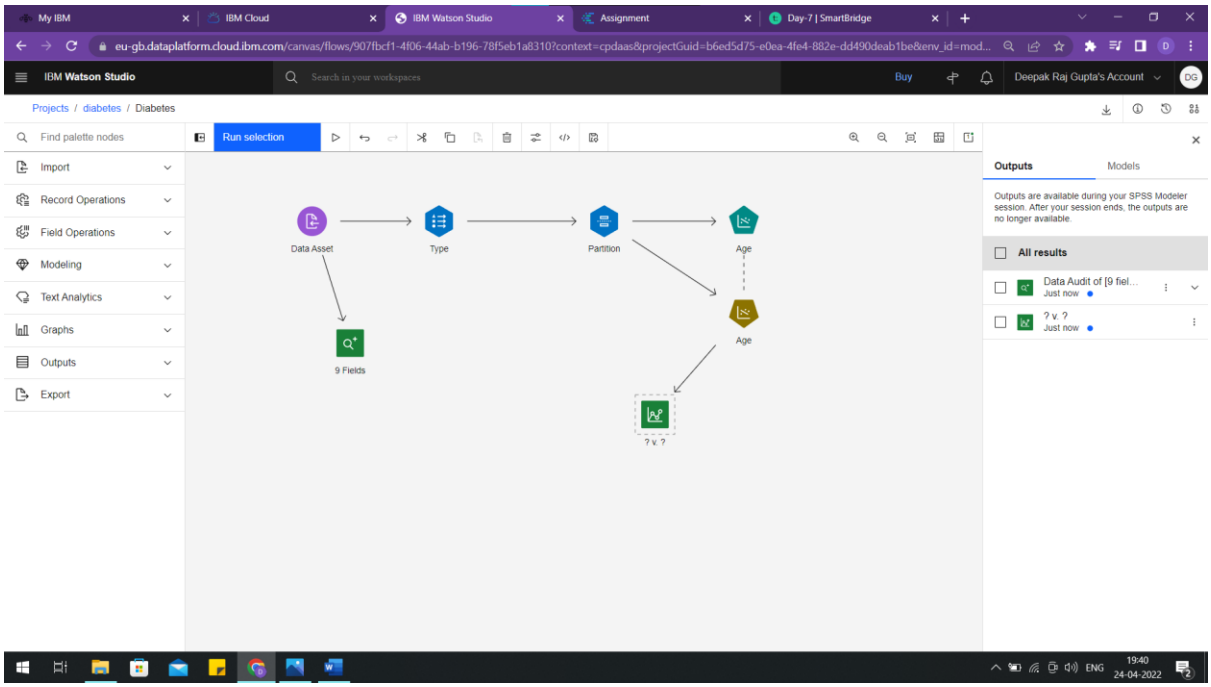


Fig: Design of Regression Model

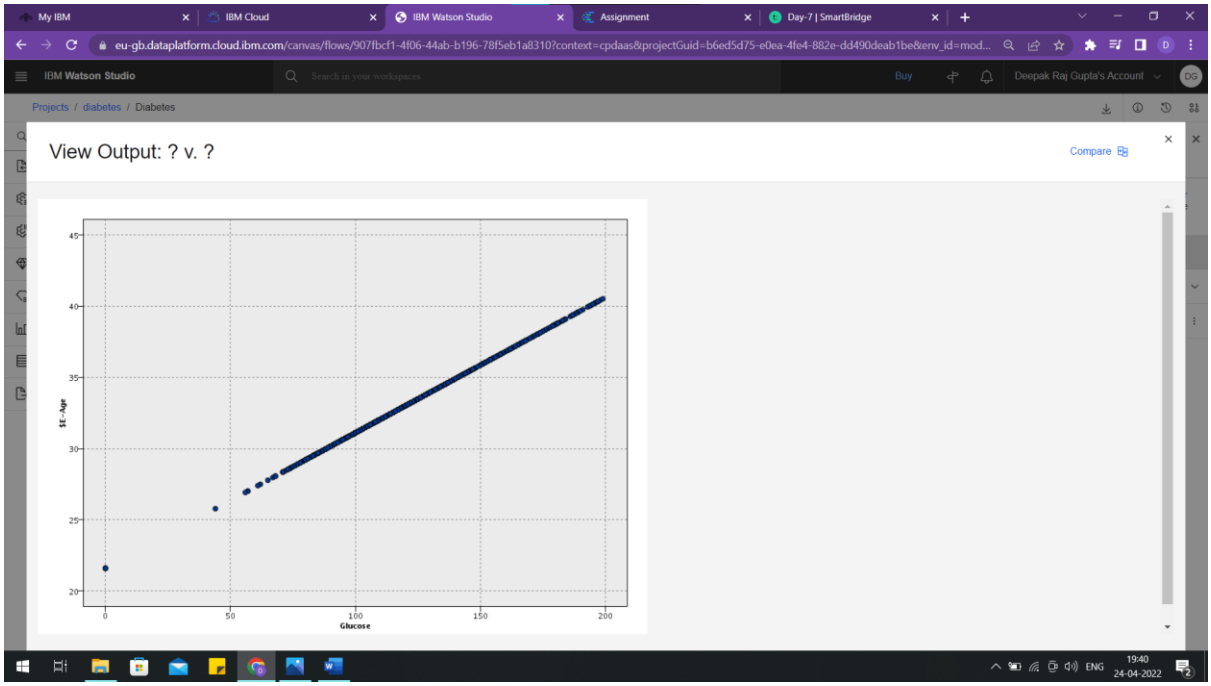


Fig: Data Visualization in graph

3) Mall Customer

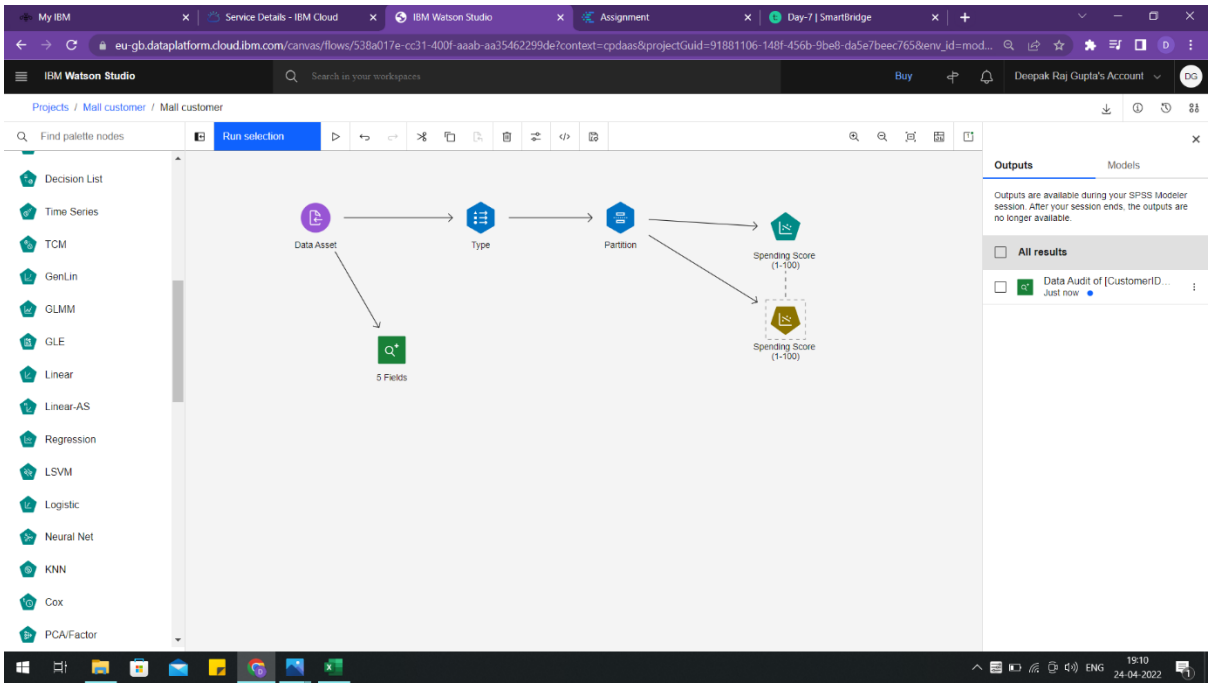


Fig: Regression Model Creation

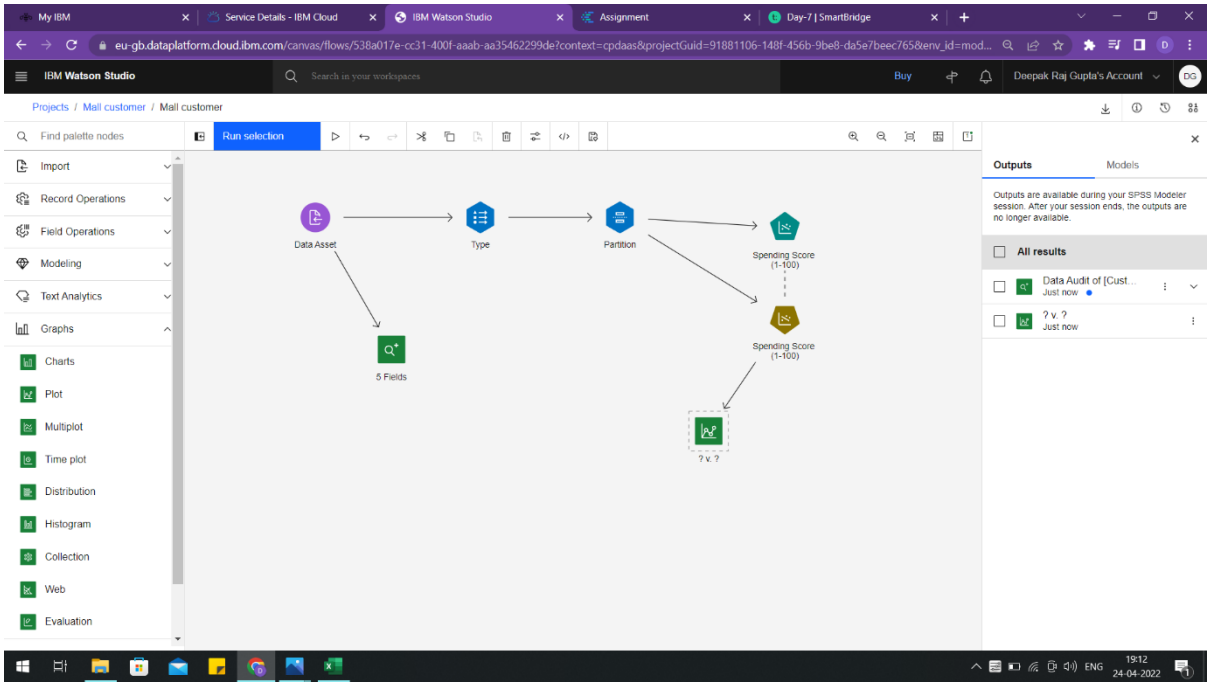
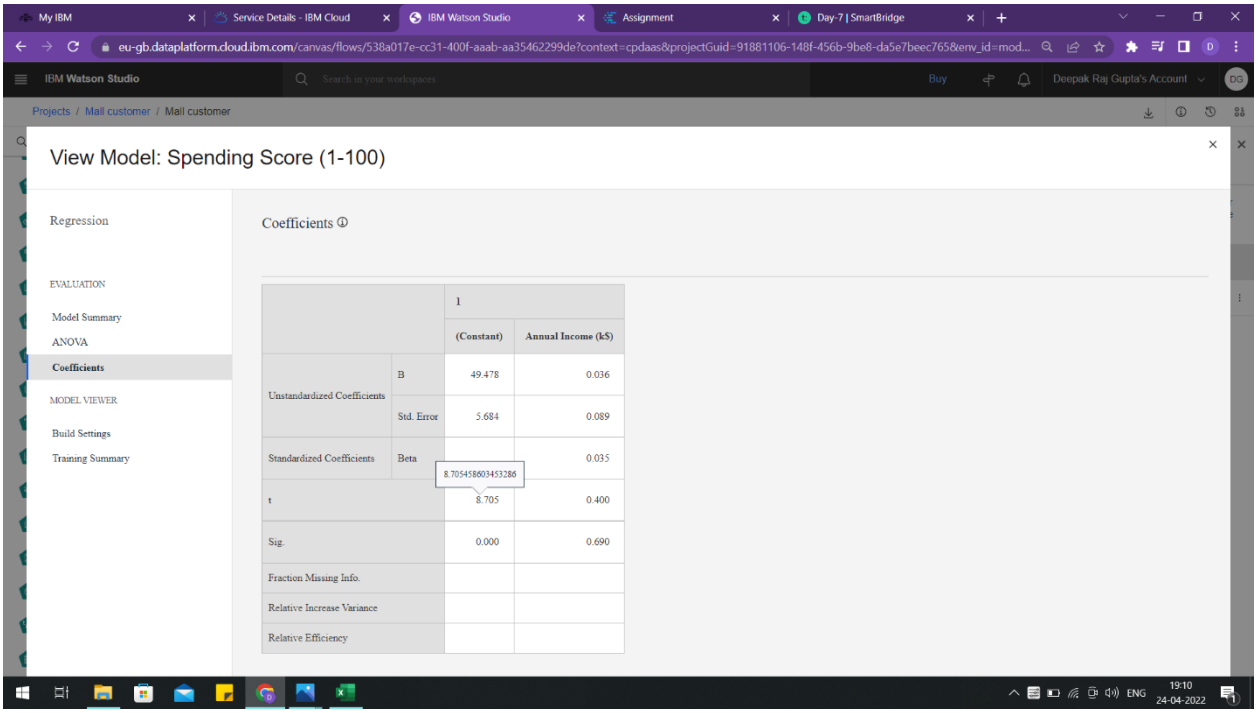
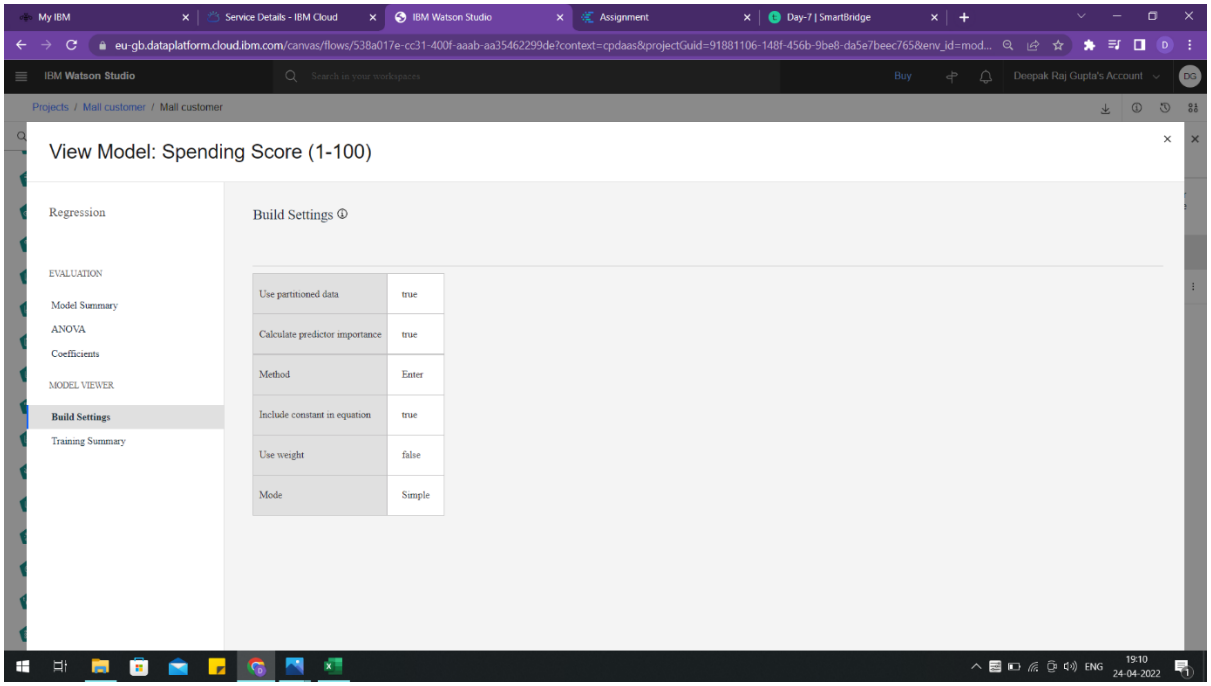


Fig: Executing model

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IBM Watson Studio
Buy
Deepak Raj Gupta's Account
Projects / Mall customer / Mall customer
View Model: Spending Score (1-100)
Regression
EVALUATION
Model Summary
ANOVA
Coefficients
MODEL VIEWER
Build Settings
Training Summary
Build Settings
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Calculate predictor importance
true
Method
Enter
Include constant in equation
true
Use weight
false
Mode
Simple
ENG
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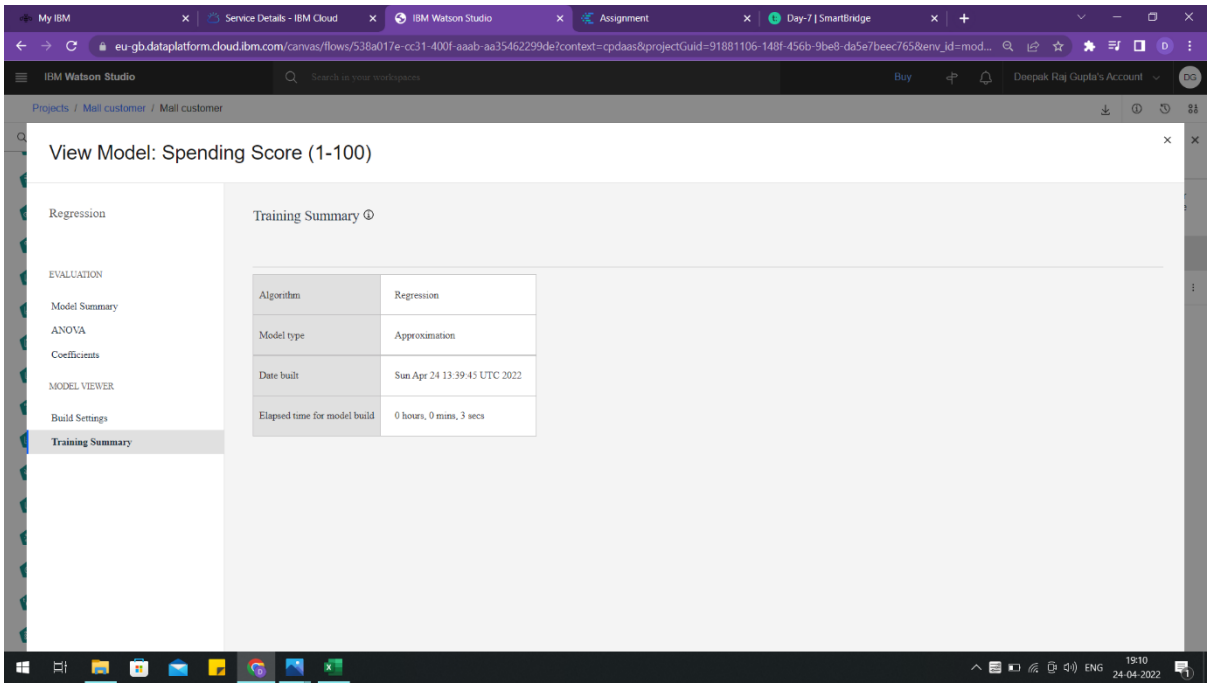
24-04-2022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MODEL VIEWER
Build Settings
Training Summary
Training Summary
Algorithm
Regression
Model type
Approximation
Date built
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Elapsed time for model build
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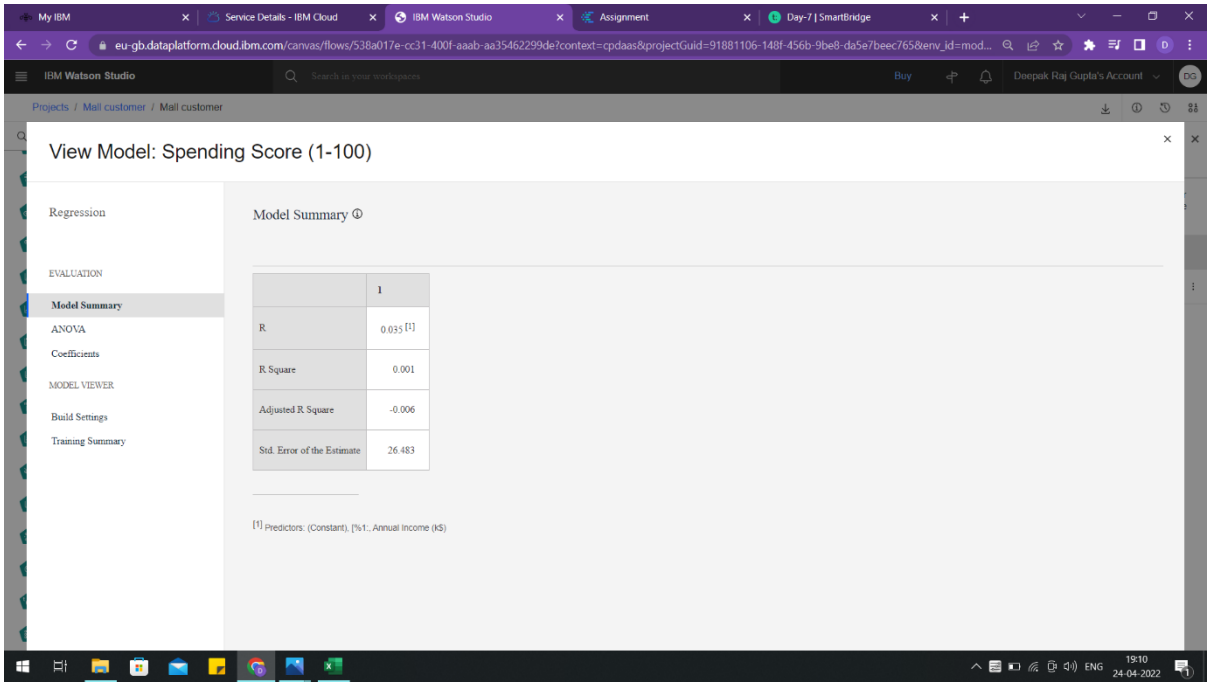
24-04-2022



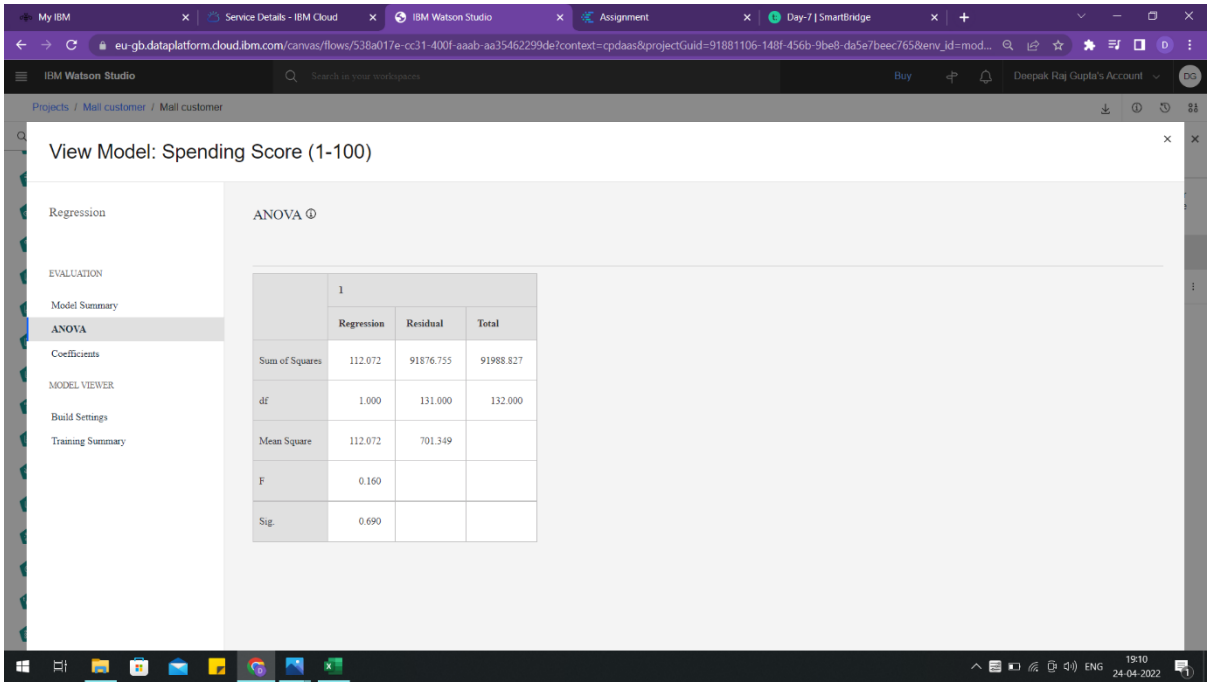


Fig: Detailed Information of the model

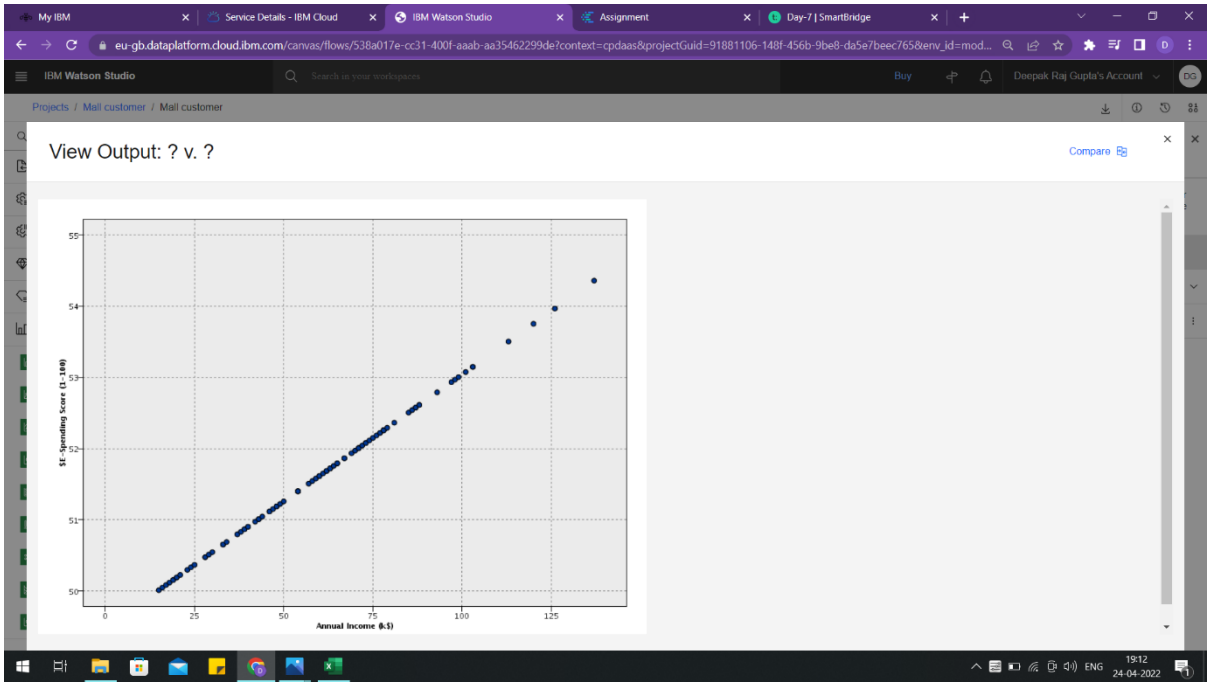


Fig: Data Visualization in graph