DATA ANALYTICS

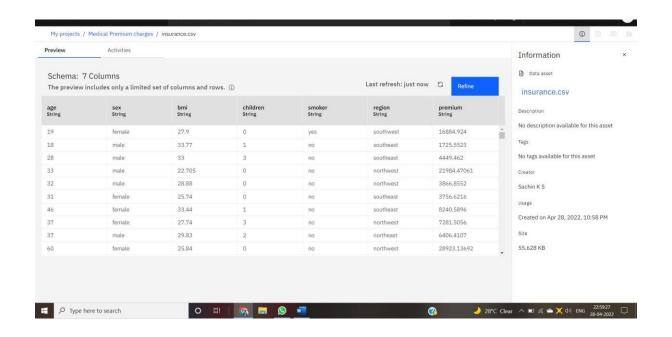
ASSIGNMENT-4

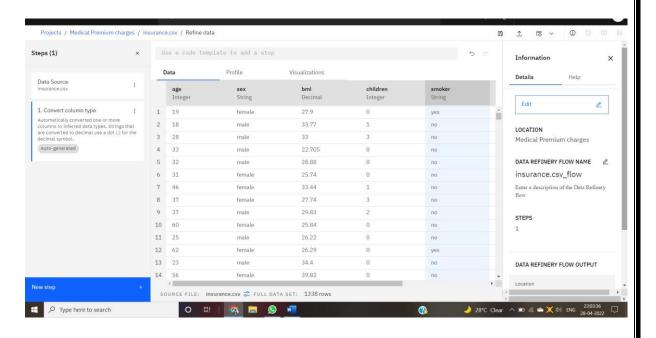
VIT-VELLORE CAMPUS

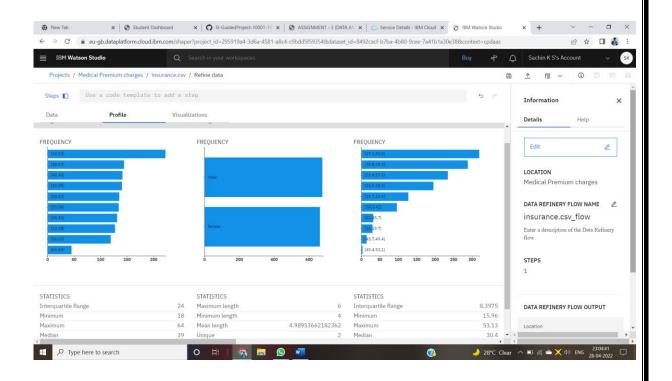
NAME: VENGATESH R

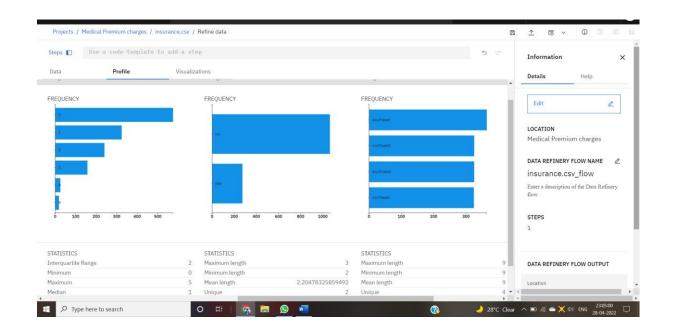
REG.NO: 19BEC0398

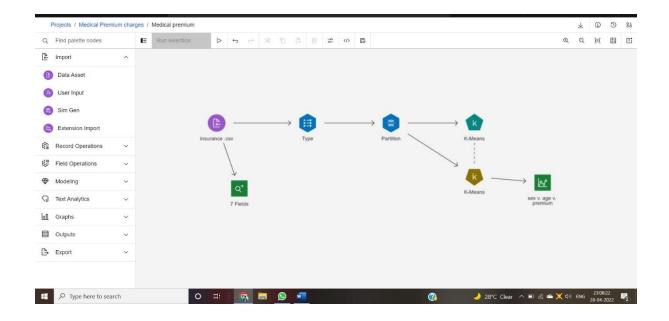
CLUSTERING MEDICAL PREMIUM CHARGES









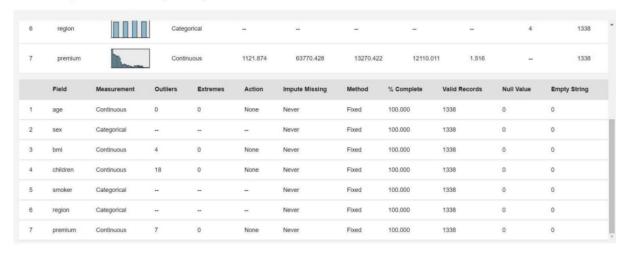


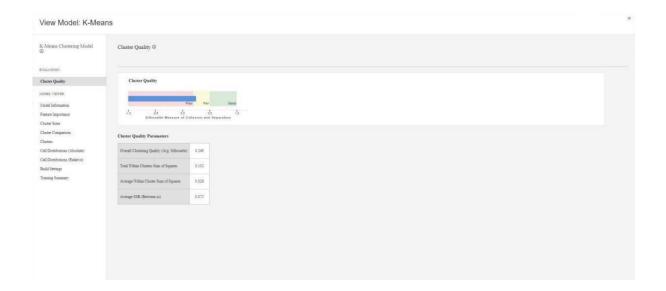
View Output: Data Audit of [7 fields]

	Field	Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
1	age		Continuous	18	64	39.207	14.050	0.056	-	1338
2	sex		Categorical			-	-	-	2	1338
3	bmi		Continuous	15.960	53.130	30.663	6.098	0.284	-	1338
4	children	In.	Continuous	0	5	1.095	1.205	0.938	-	1338
5	smoker		Categorical					-	2	1338
6	region		Categorical	-	-	-	-	-	4	1338

72/lbs

View Output: Data Audit of [7 fields]





View Model: K-Means



Cluster Quality

Model Information
Festals Importance
Cluster Stem
Cluster Stem
Cluster Stem
Cluster
Cluster
Cluster
Cluster
Cluster
Cluster
Cluster
Cluster
Coll Develocions (Palarie)
Build Sentage
Tissuing Summary

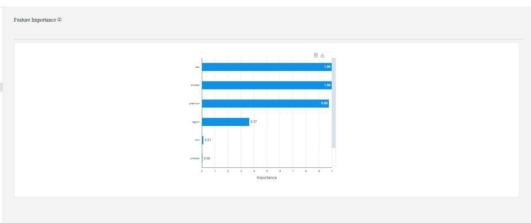
Algorithm	K-Means		
Model Class	Center Based		
Number of Features	7		
Distance Measure	Euclidean		
Number of Clusters		-5	
	Claster 1	81 (8.7%)	
	Charter 2	368 (39.531e)	
Number of instances in each cluster	Cluster 3	112 (12.03%)	
	Cluster 4	190 (20.41%)	
	Chater 5	180 (19.33%)	
Ratio of sizes (Largest to smallest)	4.543		

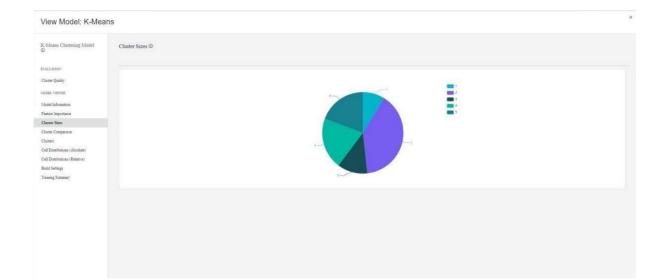
View Model: K-Means

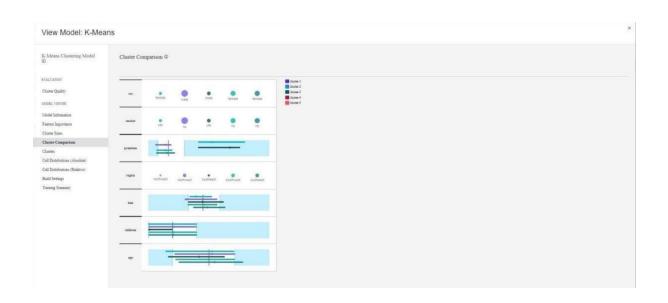
K-Means Clustering Model ©

EVALUATION Cluster Quality NAMES AND STREET

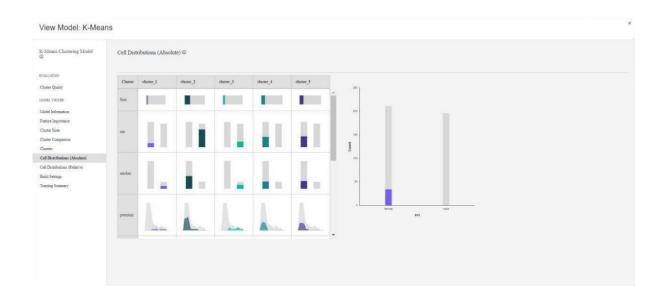
Model Information
Feature Information
Feature Information
Charter Compension
Charter
Compension
Charter
Coll Derechtorium (Shalme)
Cell Derechtorium (Shalme)
Build Seeting
Training Summary











View Model: K-Means **

