

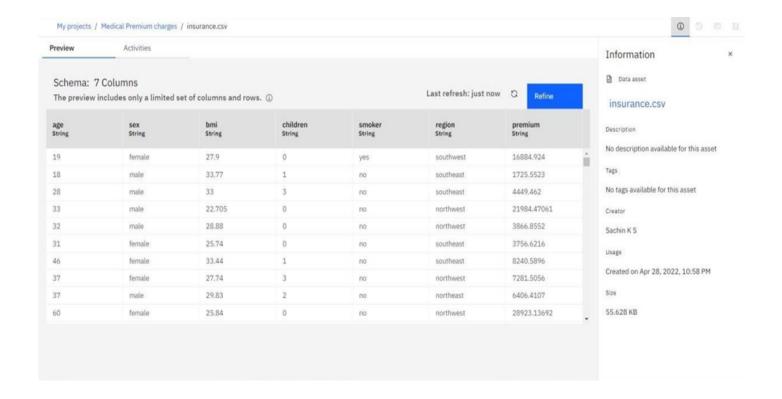
# DATA ANALYTICS Assignment-4

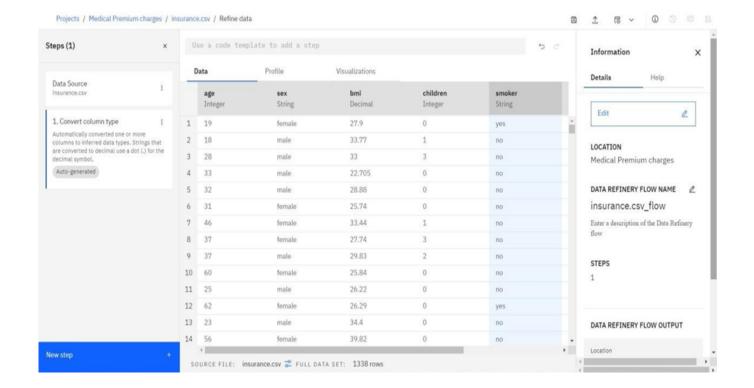
NAME: Dhinesh.B

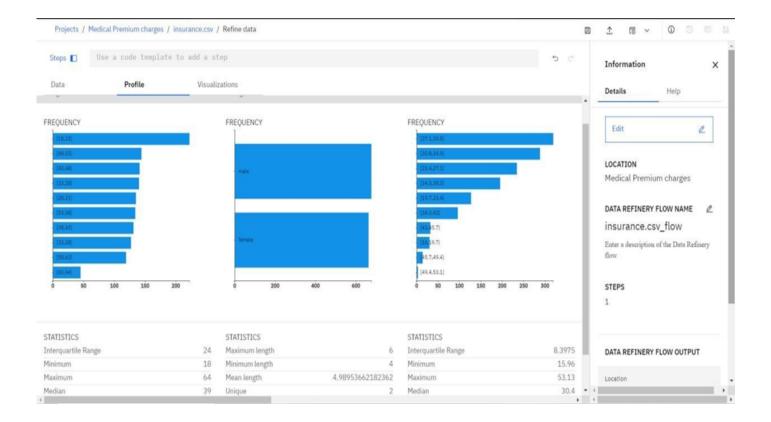
**REG NO: 19BEC0684** 

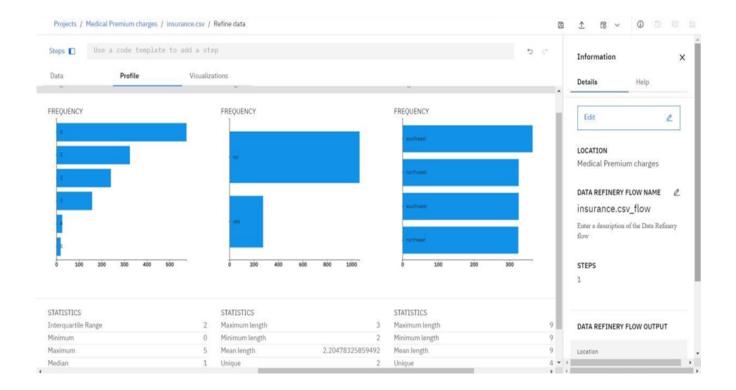
**CAMPUS: Vellore** 

### **CLUSTERING MEDICAL PREMIUM CHARGES**









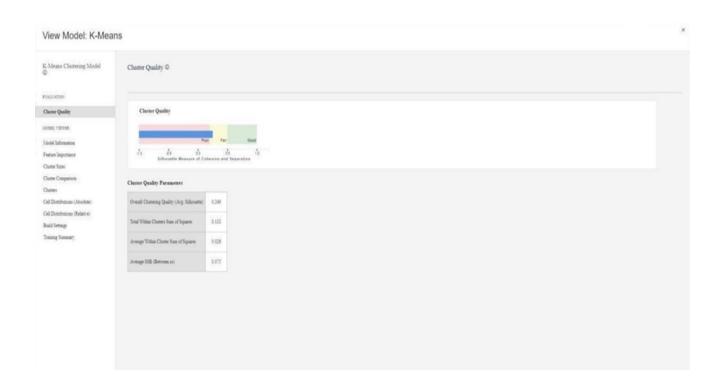
# View Output: Data Audit of [7 fields]

	Field	Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
1	age	ALLE ALLE	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	111.	Continuous	0	5	1.095	1.205	0.938		1338
5	smoker		Categorical	-		-	-	-	2	1338
6	region		Categorical	-				-	4	1338

#### >

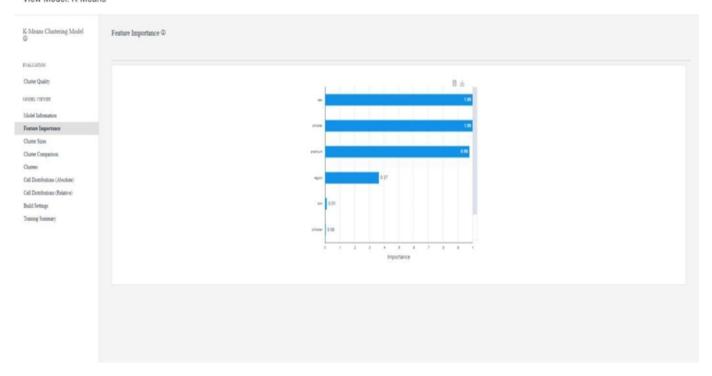
## View Output: Data Audit of [7 fields]

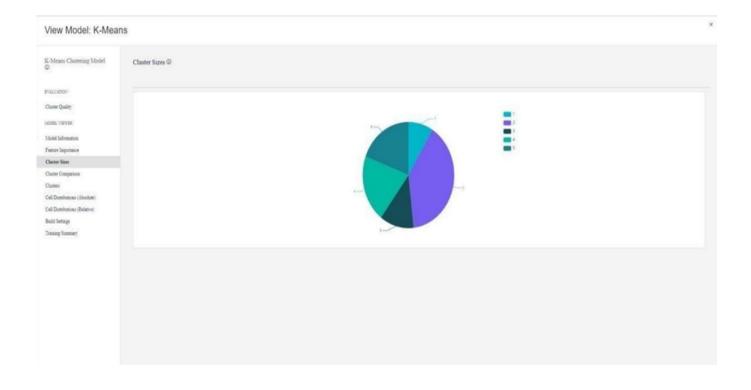
6	region		Categ	orical	-	-	-	-	-	4	1338
7	premium	premium		nuous	1121.874	63770.428	13270.422	12110.01	1 1.516	-	1338
	Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value	Empty String
1	age	Continuous	0	0	None	Never	Fixed	100.000	1338	0	0
2	sex	Categorical	-	-	-	Never	Fixed	100.000	1338	0	0
3	bml	Continuous	4	0	None	Never	Fixed	100.000	1338	0	0
4	children	Continuous	18	0	None	Never	Fixed	100.000	1338	0	0
5	smoker	Categorical	-	-	-	Never	Fixed	100.000	1338	0	0
6	region	Categorical	-	-	-	Never	Fixed	100.000	1338	0	0
7	premium	Continuous	7	0	None	Never	Fixed	100.000	1338	0	0

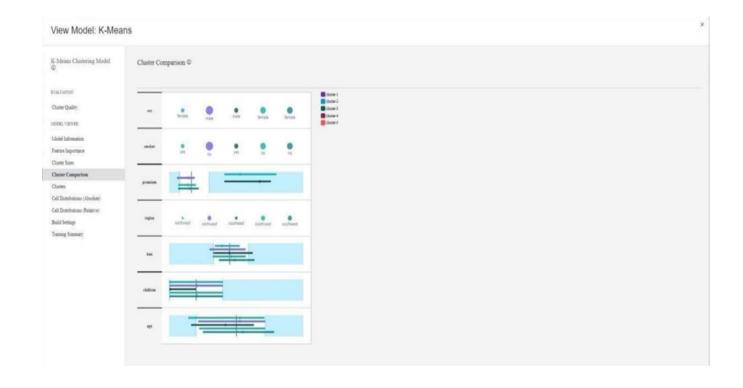


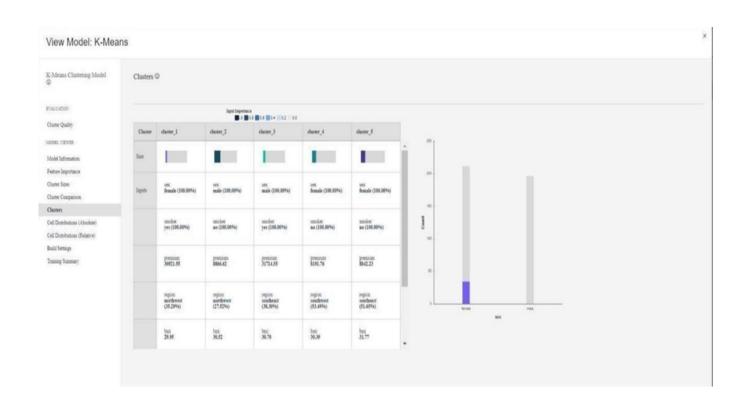
View Model: K-Means K-Means Clustering Model Model Information @ FULLIATION K-Means Cluster Quality Center Based Model Class NEWSC/1800K Model Information Feature Importance Cluter Sizes Distance Measure Euclidean Cluter Companion Number of Chotes Clutes Cell Distributions (Absolute) Chater 1 \$1 (8.7%) Cell Distributions (Relative) Buld Settings Clute 2 361 (39.53%) Training Summery Number of instances in each cluster Cluster 3 112 (12.09%) Cluster 4 190 (20.41%) Cluster 5 190 (19.39%) 4.543

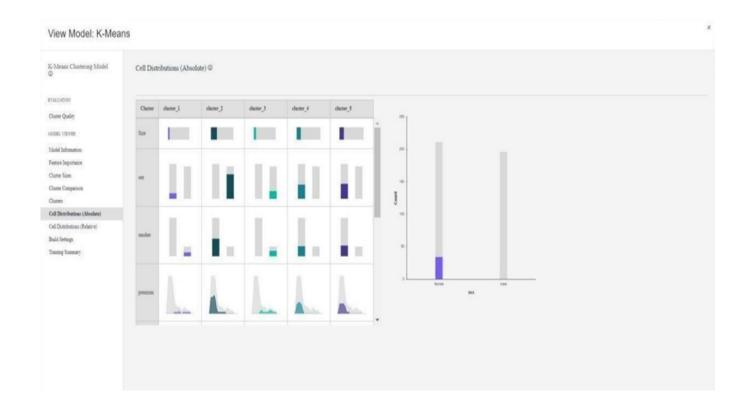
View Model: K-Means











View Model: K-Means

