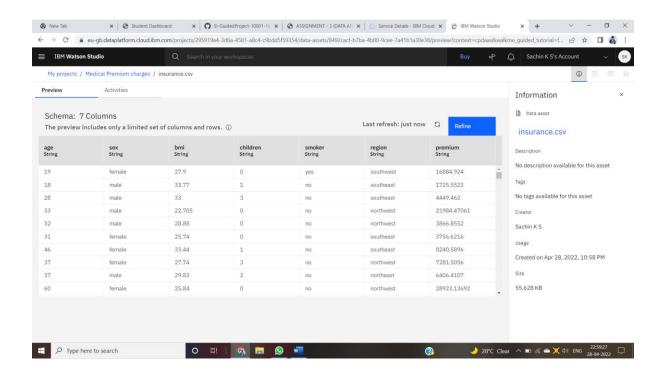
DATA ANALYTICS ASSIGNMENT – 4

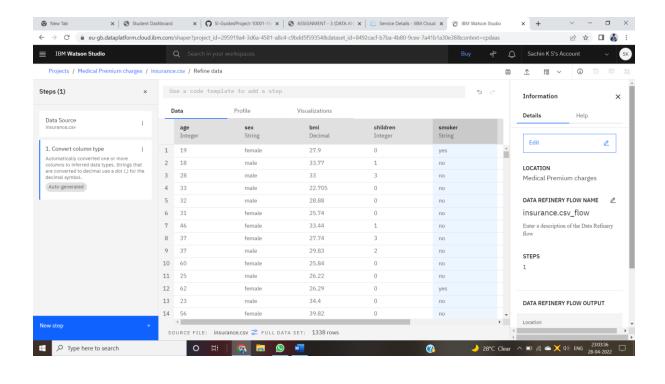
CLUSTERING MEDICAL PREMIUM CHARGES

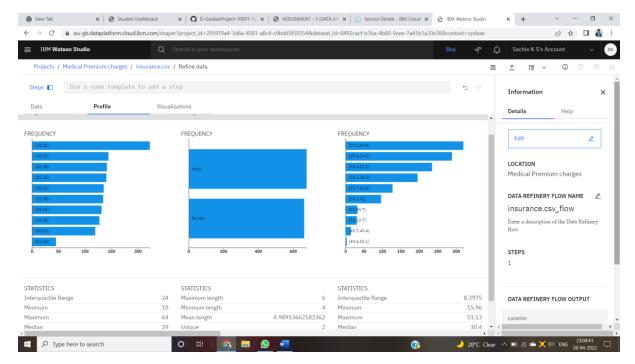
NAME: K.S.Sachin

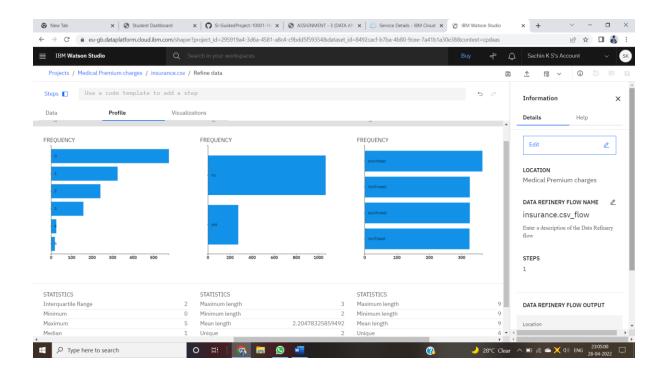
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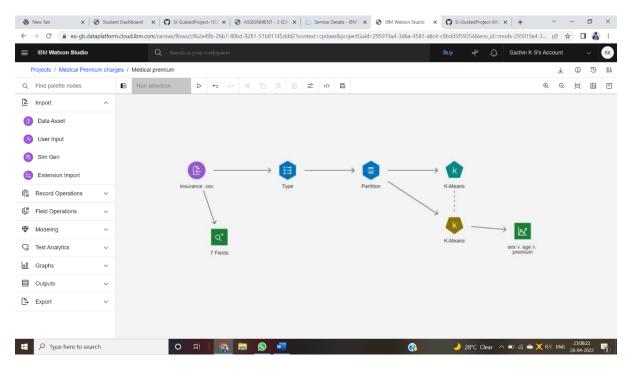
Campus: VIT Vellore











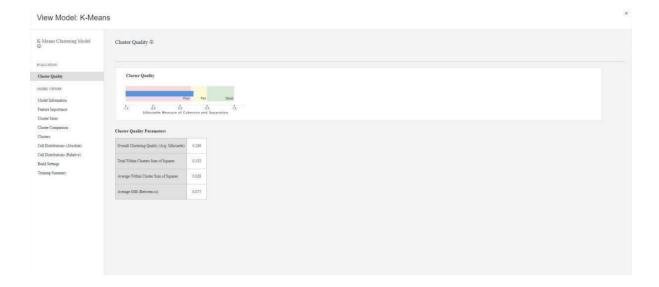
View Output: Data Audit of [7 fields]

	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	11.	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	· ·	Contir	uous	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	bmi	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

>



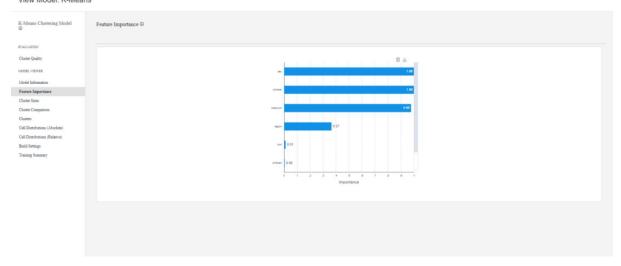
K-Means Clustering Model Charter Quality Algorithm K-Means Charter Quality Model Information © K-Means Charter Quality Model Landon K-Means K-Means K-Means Charter Based Model Information K-Means K-Means Charter Based Model Information Feature Supermon Feature Supermon Charter Sum Charter Computions Number of Charters Number of Charters Number of Charters 3

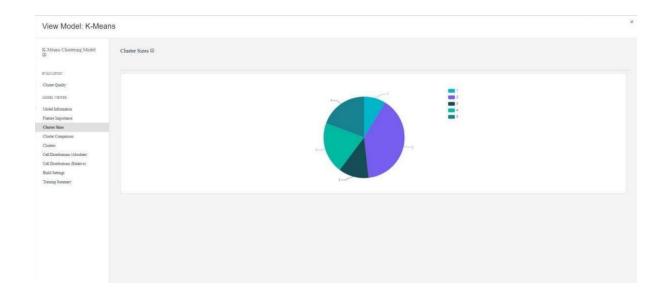
> Cluster 5 180 (19.33%) lest) 4.543

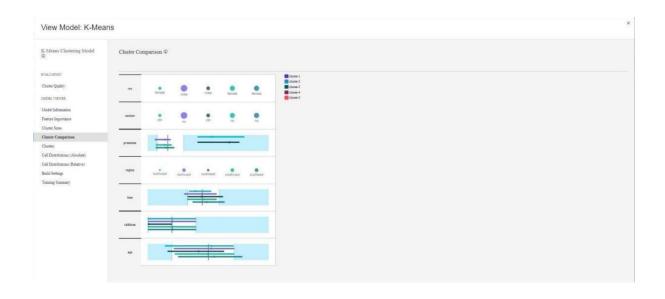
Ratio of sizes (Largest to smallest)

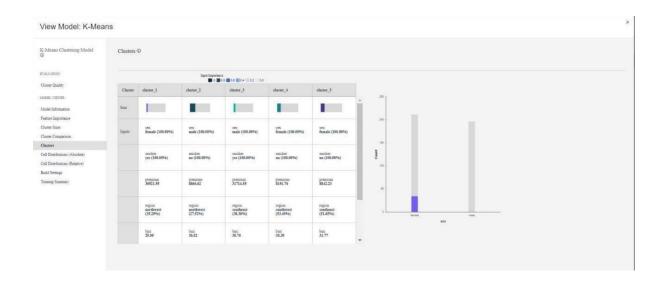
View Model: K-Means

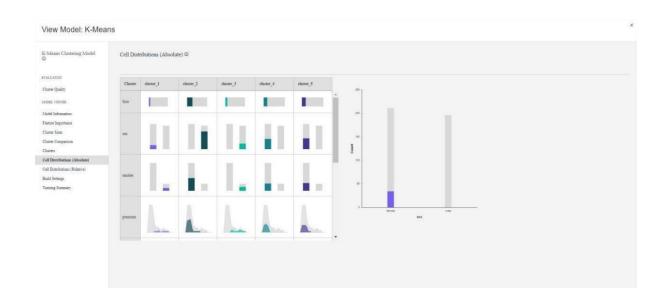
View Model: K-Means











View Model: K-Means

