

Preview

Activities

Visualization

Schema: 7 Columns

Preview: First 1000 rows

Last refresh: 10 seconds ago



Refine

age String	sex String	bmi String	children String	smoker String	region String	premium String
19	female	27.9	0	yes	southwest	16884.924
18	male	33.77	1	no	southeast	1725.5523
28	male	33	3	no	southeast	4449.462
33	male	22.705	0	no	northwest	21984.47061
32	male	28.88	0	no	northwest	3866.8552
31	female	25.74	0	no	southeast	3756.6216
46	female	33.44	1	no	southeast	8240.5896
37	female	27.74	3	no	northwest	7281.5056
37	male	29.83	2	no	northeast	6406.4107
60	female	25.84	0	no	northwest	28923.13692
25	male	26.22	0	no	northeast	2721.3208
62	female	26.29	0	yes	southeast	27808.7251
23	male	34.4	0	no	southwest	1826.843

Information

 Data Asset


insurance .csv

Description

No description is available for this asset.

Tags

No description is available for this asset.
Added: Dec 20, 2021, 10:26 PM
Size: 55.628 KB

Steps 

Use a code template to add a step

↶ ↷

	Data	Profile	Visualizations				
	age Integer	sex String	bmi Decimal	children Integer	smoker String	region String	premium Decimal
1	19	female	27.9	0	yes	southwest	16884.924
2	18	male	33.77	1	no	southeast	1725.5523
3	28	male	33	3	no	southeast	4449.462
4	33	male	22.705	0	no	northwest	21984.47061
5	32	male	28.88	0	no	northwest	3866.8552
6	31	female	25.74	0	no	southeast	3756.6216
7	46	female	33.44	1	no	southeast	8240.5896
8	37	female	27.74	3	no	northwest	7281.5056
9	37	male	29.83	2	no	northeast	6406.4107
10	60	female	25.84	0	no	northwest	28923.13692
11	25	male	26.22	0	no	northeast	2721.3208
12	62	female	26.29	0	yes	southeast	27808.7251
13	23	male	34.4	0	no	southwest	1826.843
...	56	female	39.82	0	no	southeast	11090.7178

SOURCE FILE: insurance .csv  FULL DATA SET: 1338 rows

Information

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Details

Help

Edit



LOCATION

Medical Premium Charges

DATA REFINERY FLOW NAME

insurance .csv_flow

Enter a description of the Data Refinery flow

STEPS

1

DATA REFINERY FLOW OUTPUT

Location

Steps ☐

Use a code template to add a step

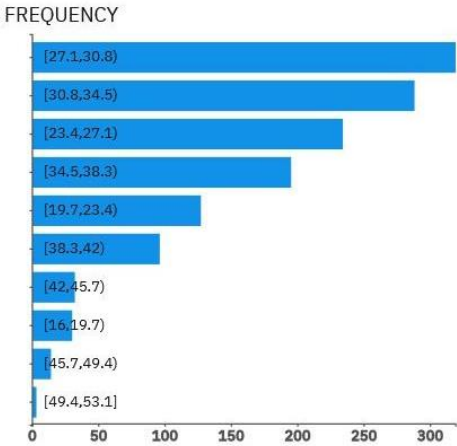
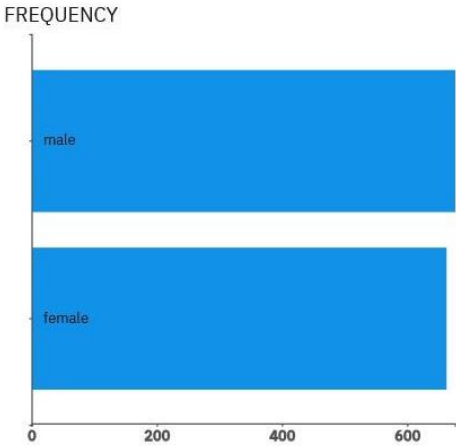
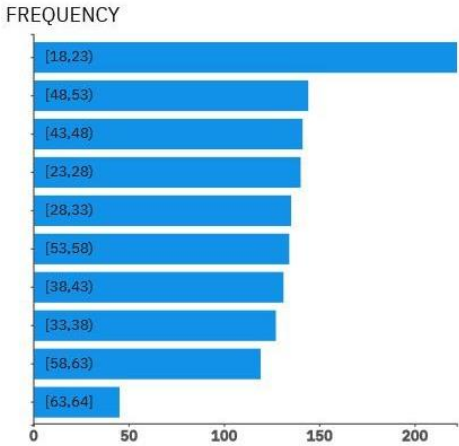
↶ ↷

Data

Profile

Visualizations

age	sex	bmi
Integer	String	Decimal



STATISTICS	STATISTICS	STATISTICS
Interquartile Range	Maximum length	Interquartile Range
24	6	8.3975

Information

Details Help

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LOCATION

Medical Premium Charges

DATA REFINERY FLOW NAME

insurance .csv_flow

Enter a description of the Data Refinery flow

STEPS

1

DATA REFINERY FLOW OUTPUT

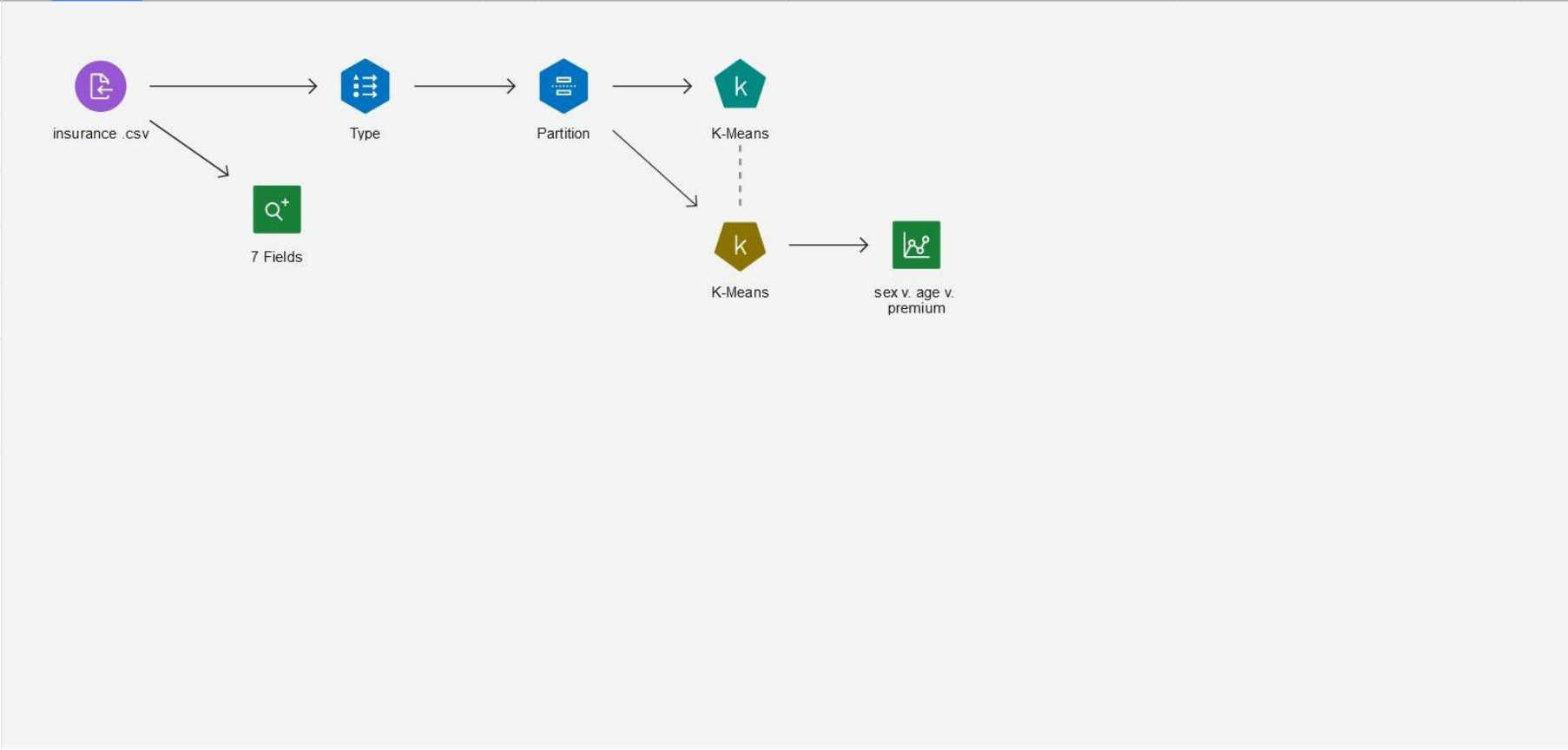
Location

Find palette nodes



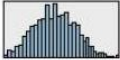

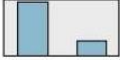


Run, Undo, Redo, Copy, Paste, Delete, Split, Join

Search, Zoom In, Zoom Out, Fit, Full Screen

- Import
- Record Operations
- Field Operations
- Modeling
- Text Analytics
- Graphs
- Outputs
- Export



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		Continuous	0	5	1.095	1.205	0.938	--	1338
5	smoker		Categorical	--	--	--	--	--	2	1338
6	region		Categorical	--	--	--	--	--	4	1338
7	premium		Continuous	1121.874	63770.428	13270.422	12110.011	1.516	--	1338

Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value	Empty String	White Space	B
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View Output: Data Audit of [7 fields]



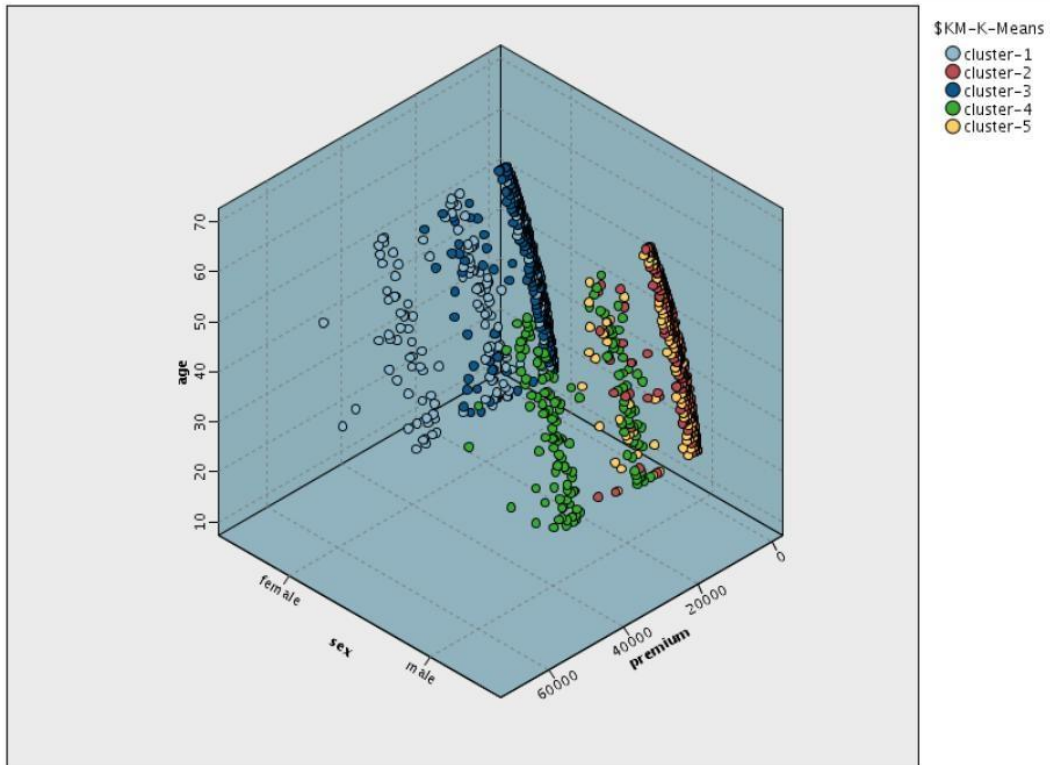
	Field	Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
1	age		Continuous	18	64	39.207	14.050	0.056	--	1338
2	sex		Categorical	--	--	--	--	--	2	1338
3	bmi		Continuous	15.960	53.130	30.663	6.098	0.284	--	1338
4	children		Continuous	0	5	1.095	1.205	0.938	--	1338
5	smoker		Categorical	--	--	--	--	--	2	1338
6	region		Categorical	--	--	--	--	--	4	1338
7	premium		Continuous	1121.874	63770.428	13270.422	12110.011	1.516	--	1338

	Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value	Empty String	White Space	Blank Value
1	age	Continuous	0	0	None	Never	Fixed	100.000	1338	0	0	0	0
2	sex	Categorical	--	--	--	Never	Fixed	100.000	1338	0	0	0	0
3	bmi	Continuous	4	0	None	Never	Fixed	100.000	1338	0	0	0	0
4	children	Continuous	18	0	None	Never	Fixed	100.000	1338	0	0	0	0
5	smoker	Categorical	--	--	--	Never	Fixed	100.000	1338	0	0	0	0
6	region	Categorical	--	--	--	Never	Fixed	100.000	1338	0	0	0	0
7	premium	Continuous	7	0	None	Never	Fixed	100.000	1338	0	0	0	0



View Output: sex v. age v. premium

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View Model: K-Means

K-Means Clustering
Model ⓘ

EVALUATION

Cluster Quality

MODEL VIEWER

Model Information

Feature Importance

Cluster Sizes

Cluster Comparison

Clusters

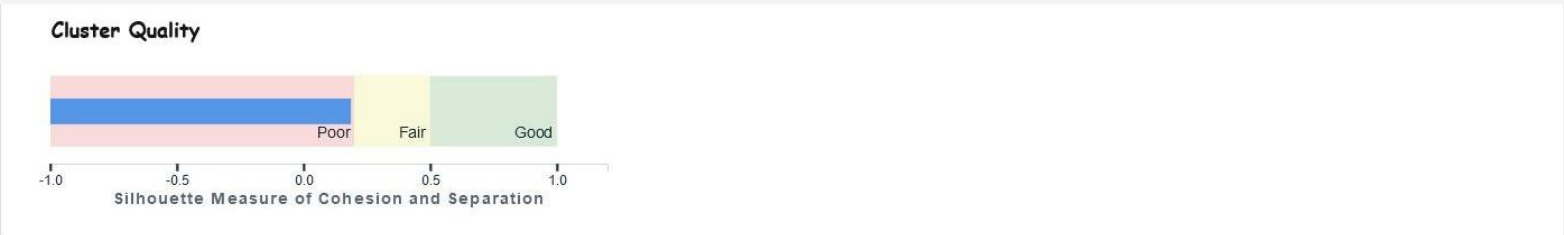
Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Cluster Quality ⓘ



Cluster Quality Parameters

Overall Clustering Quality (Avg. Silhouette)	0.187
Total Within Clusters Sum of Squares	0.140
Average Within Cluster Sum of Squares	0.028
Average SSB (Between ss)	0.069

View Model: K-Means

K-Means Clustering
Model ⓘ

EVALUATION

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Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Model Information ⓘ

Algorithm		K-Means
Model Class		Center Based
Number of Features		7
Distance Measure		Euclidean
Number of Clusters		5
Number of instances in each cluster	Cluster 1	114 (17.46%)
	Cluster 2	140 (21.44%)
	Cluster 3	200 (30.63%)
	Cluster 4	77 (11.79%)
	Cluster 5	122 (18.68%)
Ratio of sizes (Largest to smallest)		2.597

View Model: K-Means

K-Means Clustering
Model ⓘ

EVALUATION

Cluster Quality

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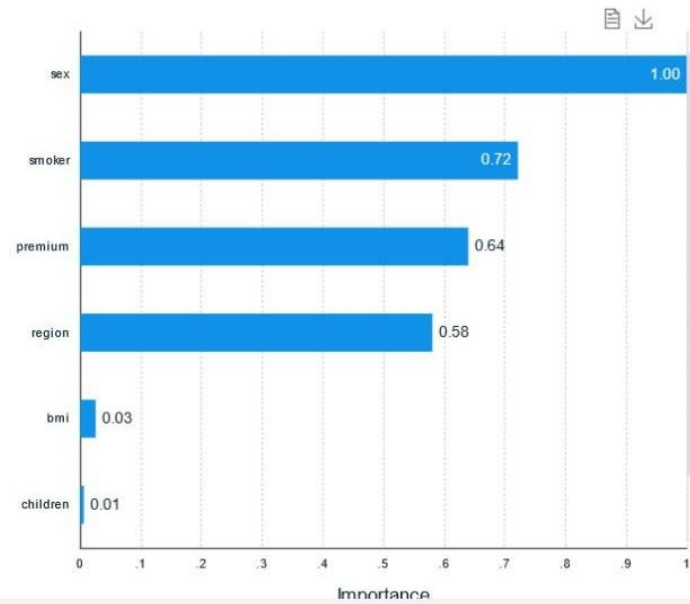
Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Feature Importance ⓘ



View Model: K-Means

K-Means Clustering
Model ⓘ

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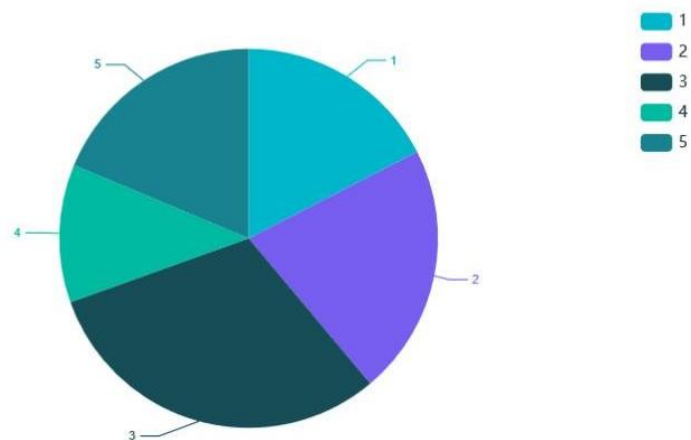
Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Cluster Sizes ⓘ



View Model: K-Means

K-Means Clustering
Model ①

EVALUATION

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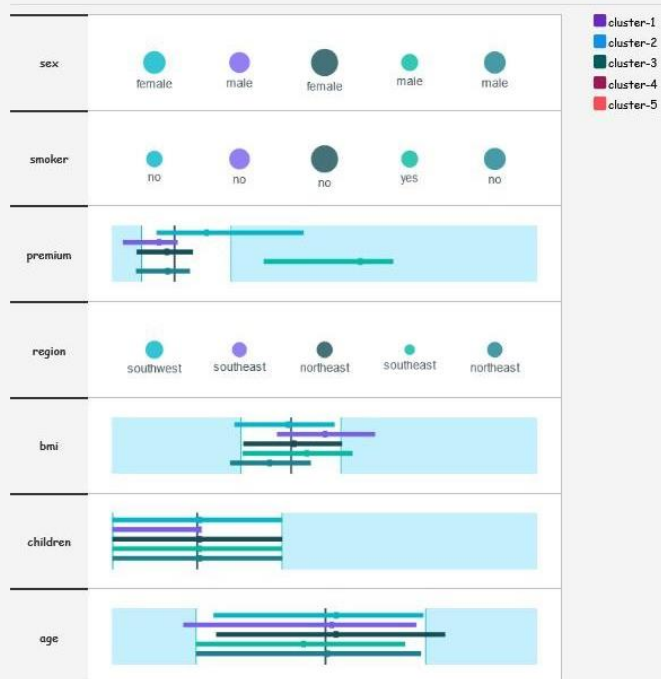
Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Cluster Comparison ①



View Model: K-Means

K-Means Clustering
Model ⓘ

EVALUATION

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Cell Distributions (Absolute)






Cell Distributions (Relative)

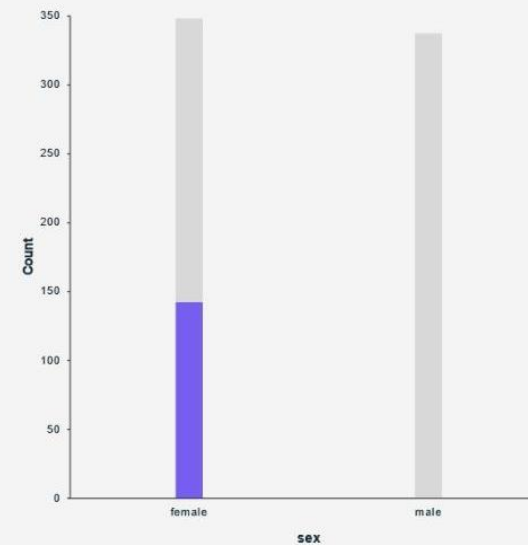
Build Settings

Training Summary

Clusters ⓘ

Input Importance
1.0 0.8 0.6 0.4 0.2 0.0

Cluster	cluster_1	cluster_2	cluster_3	cluster_4	cluster_5
Size					
Inputs	sex female (100.00%)	sex male (100.00%)	sex female (100.00%)	sex male (100.00%)	sex male (100.00%)
	smoker no (54.23%)	smoker no (100.00%)	smoker no (100.00%)	smoker yes (100.00%)	smoker no (100.00%)
	premium 19023.57	premium 7653.39	premium 9187.54	premium 32910.81	premium 9261.61
	region southwest (64.08%)	region southeast (52.50%)	region northeast (35.92%)	region southeast (39.02%)	region northeast (50.37%)



View Model: K-Means

K-Means Clustering
Model ①

EVALUATION

Cluster Quality

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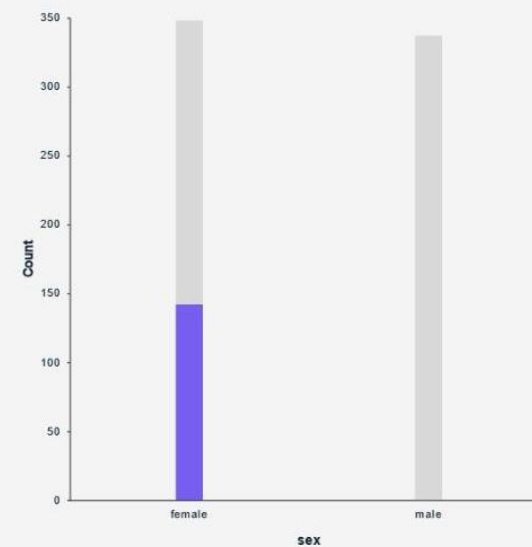
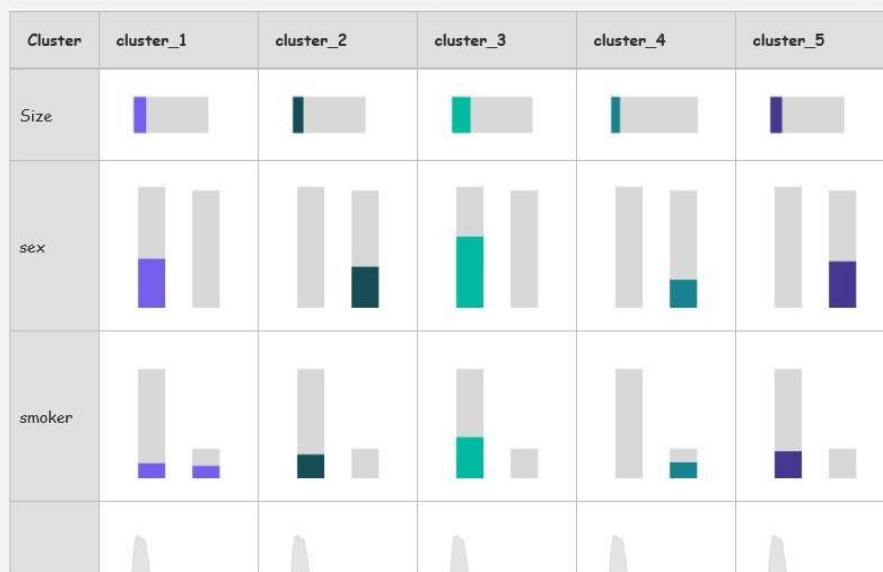
Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Cell Distributions (Absolute) ①



View Model: K-Means

K-Means Clustering Model ⓘ

EVALUATION

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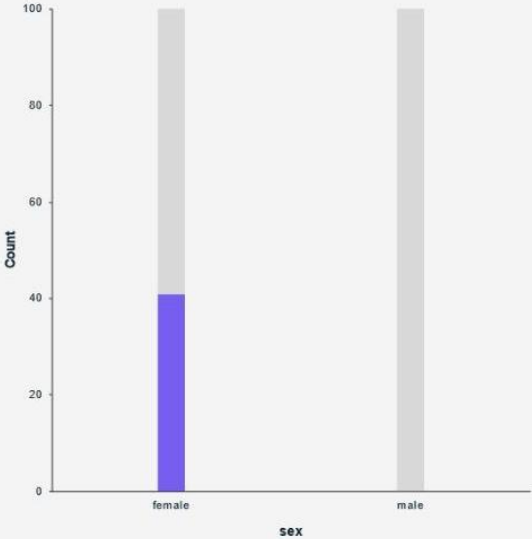
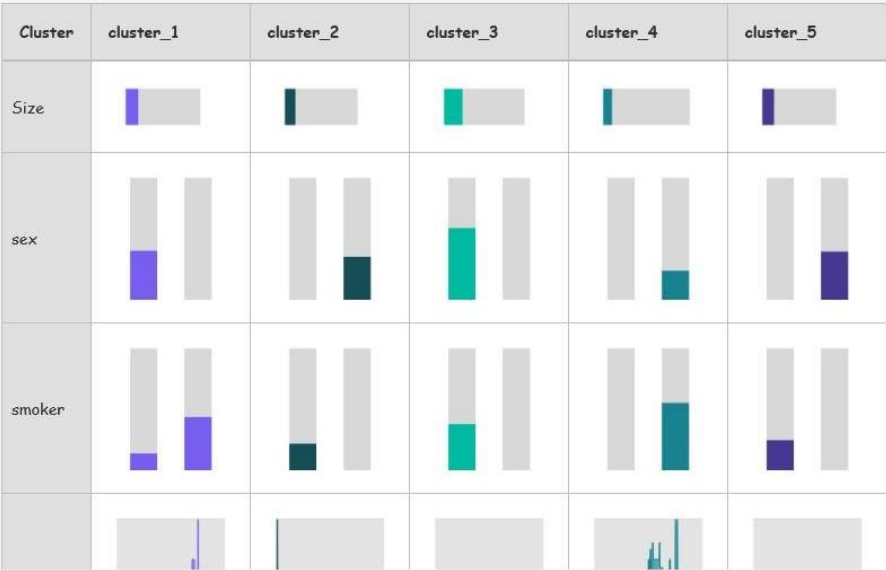
Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Cell Distributions (Relative) ⓘ



View Model: K-Means

K-Means Clustering Model ⓘ

EVALUATION

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Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Build Settings ⓘ

Use partitioned data	true
Calculate raw propensity scores	false
Calculate adjusted propensity scores	false
Number of clusters	5
Generate distance field	false
Cluster label	String
Label prefix	cluster
Optimize	Memory
Mode	Simple

View Model: K-Means

K-Means Clustering Model ⓘ

EVALUATION

Cluster Quality

MODEL VIEWER

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Cell Distributions (Absolute)

Cell Distributions (Relative)

Build Settings

Training Summary

Training Summary ⓘ

Algorithm	K-means
Model type	Clustering
Date built	Sun Jan 09 17:40:44 UTC 2022
Elapsed time for model build	0 hours, 0 mins, 0 secs

