DATA ANALYTICS

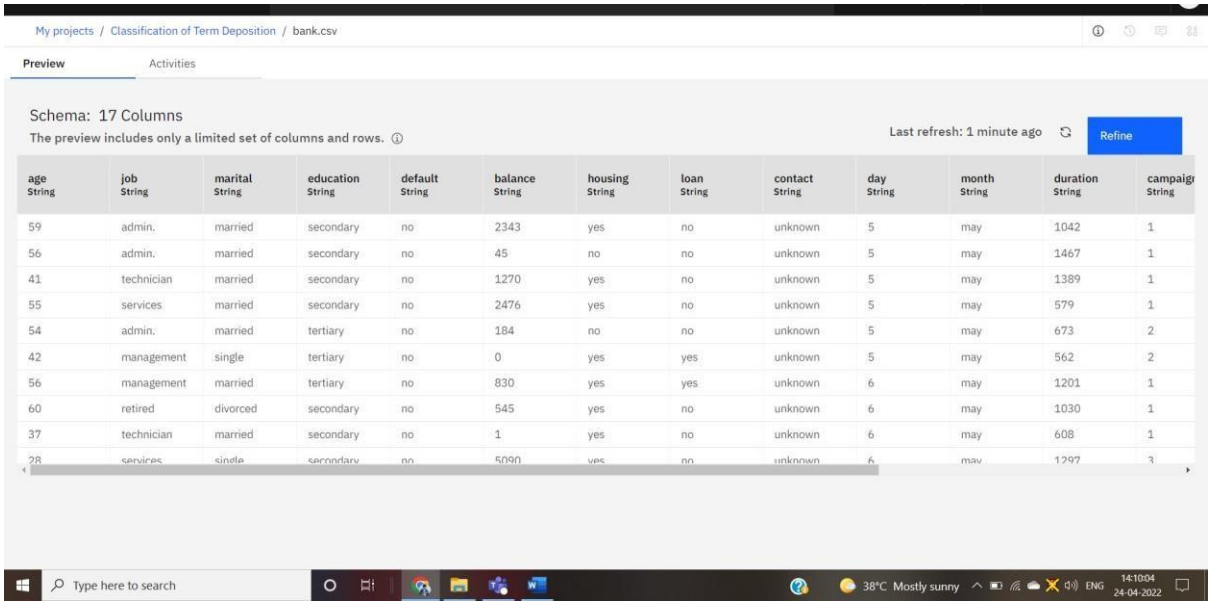
ASSIGNMENT-3

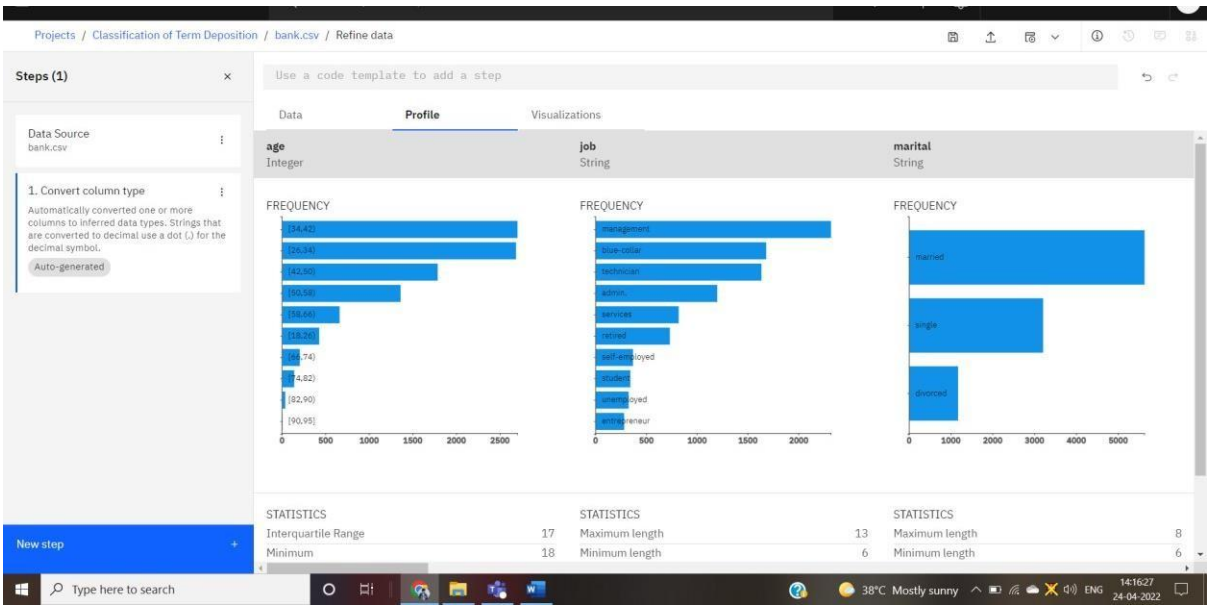
VIT-VELLORE CAMPUS

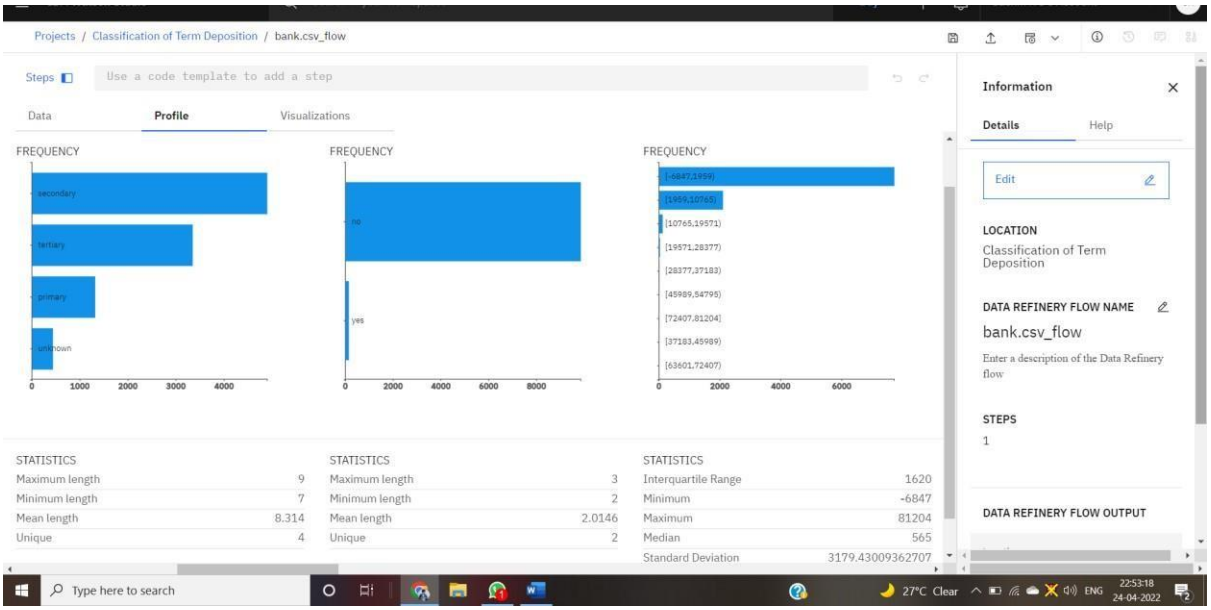
NAME: SANJAY S

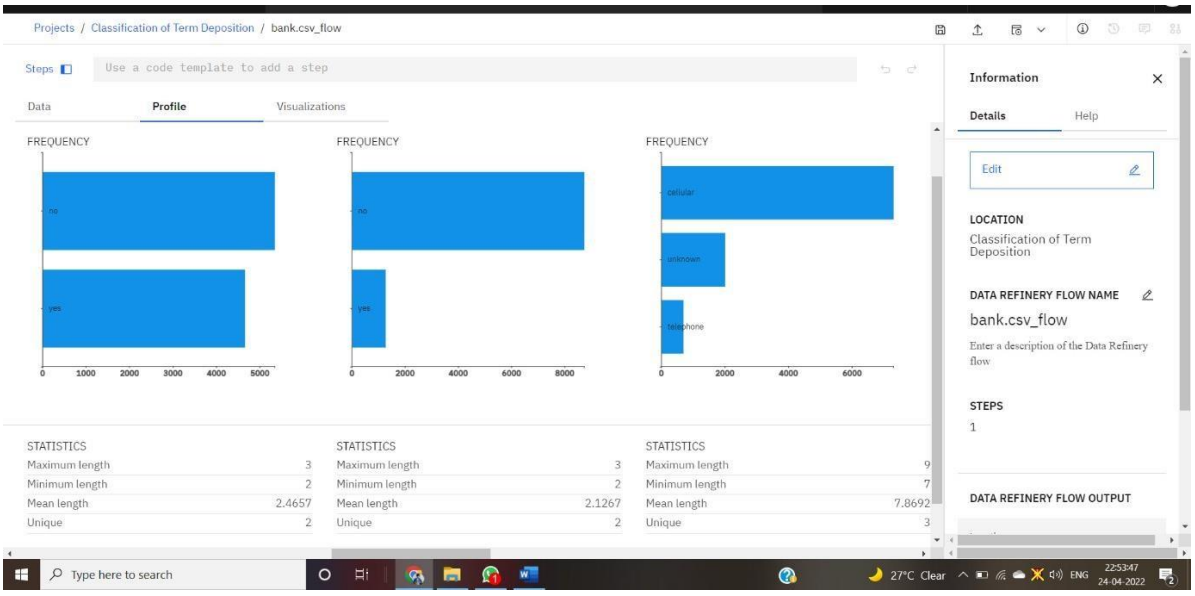
REG.NO : 19BEC0620

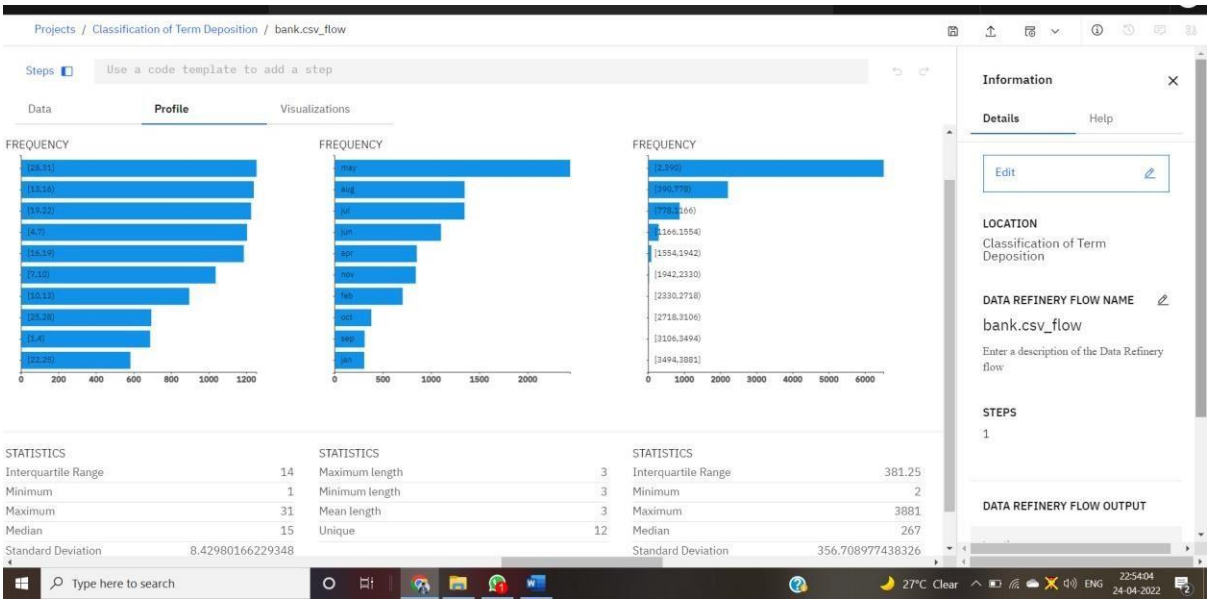
Classification of term deposit buyers for retail banking

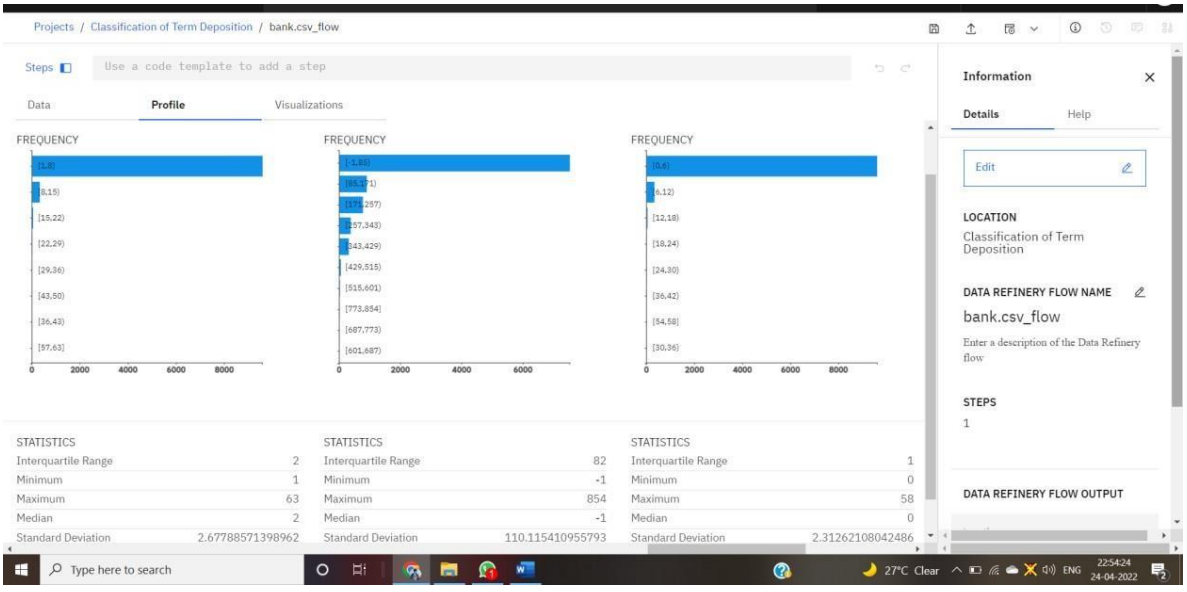


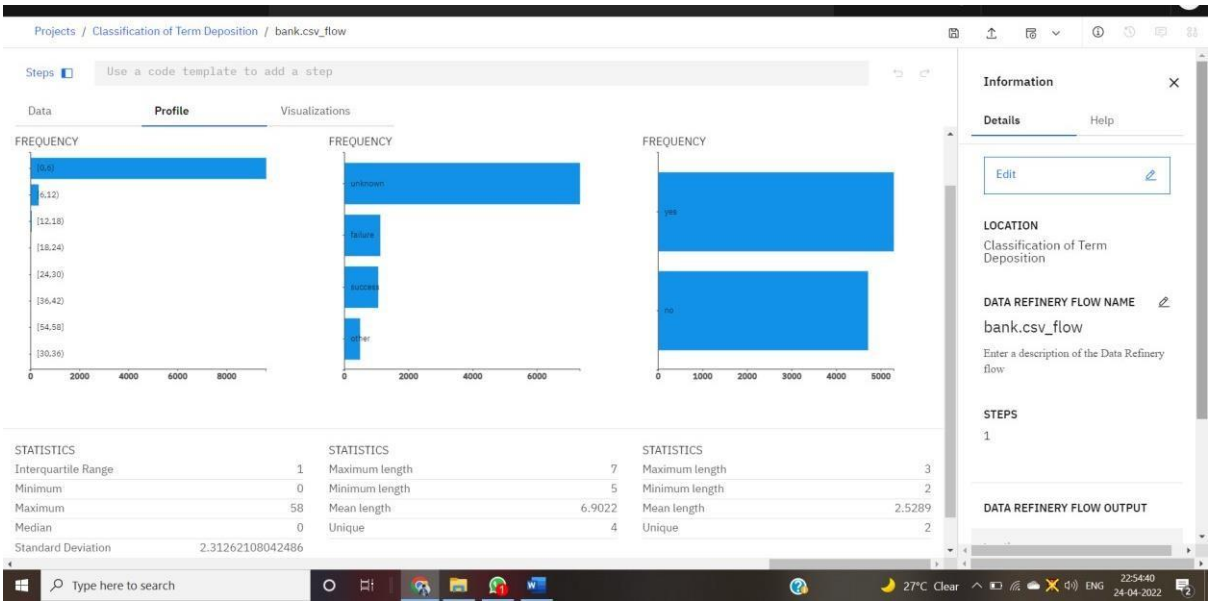


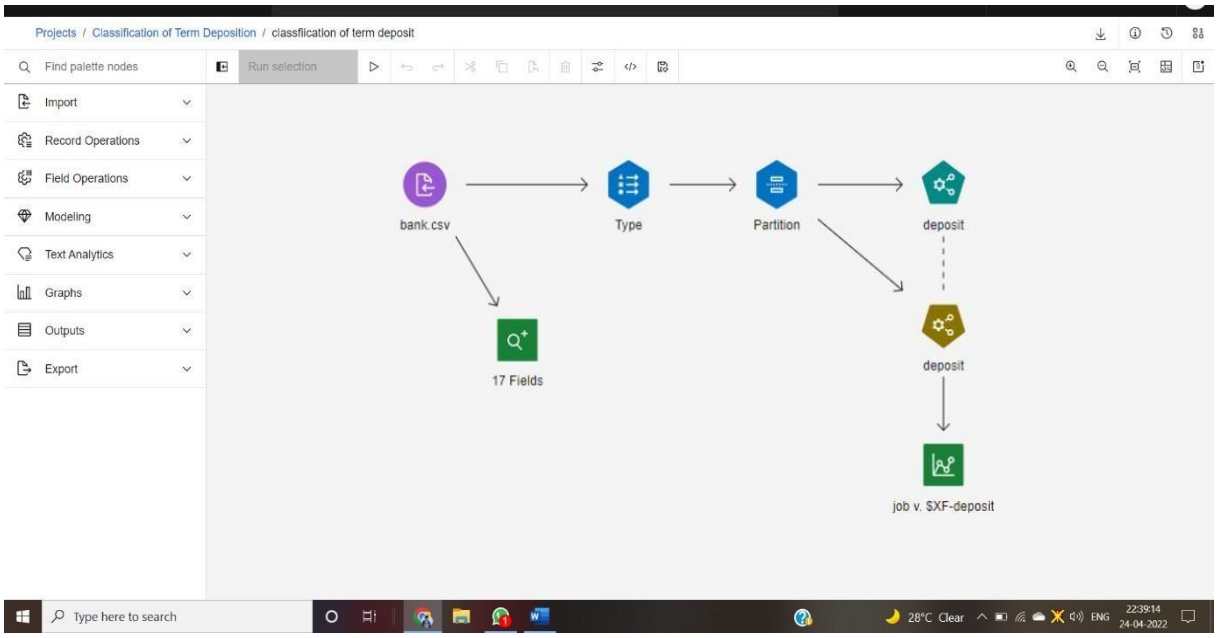

Projects / Classification of Term Deposition / bank.csv_flow
Steps
Use a code template to add a step
Data
Profile
Visualizations
FREQUENCY
secondary
tertiary
primary
unknown
FREQUENCY
no
yes
FREQUENCY
[-6847,1959]
[1959,10765]
[10765,19571]
[19571,28377]
[28377,37183]
[45989,54795]
[72407,81204]
[37183,45989]
[63601,72407]
STATISTICS
Maximum length 9
Minimum length 7
Mean length 8.314
Unique 4
STATISTICS
Maximum length 3
Minimum length 2
Mean length 2.0146
Unique 2
STATISTICS
Interquartile Range 1620
Minimum -6847
Maximum 81204
Median 565
Standard Deviation 3179.43009362707
Information
Details
Help
Edit
LOCATION
Classification of Term Deposition
DATA REFINERY FLOW NAME
bank.csv_flow
Enter a description of the Data Refinery flow
STEPS
1
DATA REFINERY FLOW OUTPUT
Type here to search
27°C Clear
ENG
22:53:18
24-04-2022

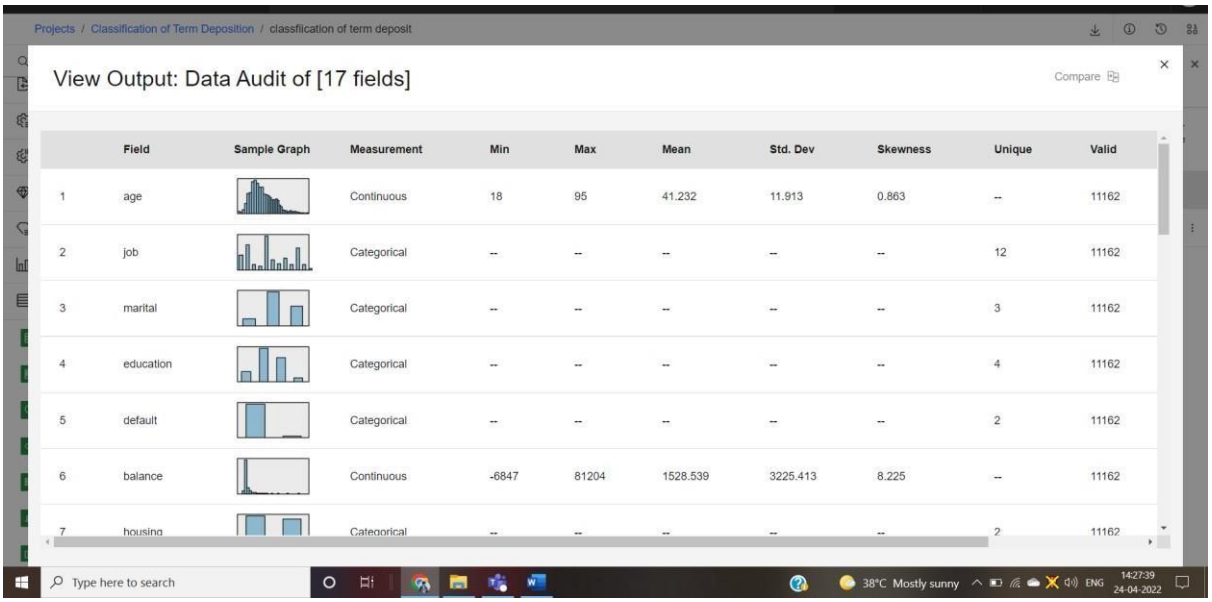

Projects / Classification of Term Deposition / bank.csv_flow
Steps
Use a code template to add a step
Data
Profile
Visualizations
FREQUENCY
no
yes
FREQUENCY
no
yes
FREQUENCY
cellular
unknown
telephone
STATISTICS
Maximum length 3
Minimum length 2
Mean length 2.4657
Unique 2
STATISTICS
Maximum length 3
Minimum length 2
Mean length 2.1267
Unique 2
STATISTICS
Maximum length 9
Minimum length 7
Mean length 7.8692
Unique 3
Information
Details
Help
Edit
LOCATION
Classification of Term Deposition
DATA REFINERY FLOW NAME
bank.csv_flow
Enter a description of the Data Refinery flow
STEPS
1
DATA REFINERY FLOW OUTPUT
Type here to search
27°C Clear
ENG
22:53:47
24-04-2022


Projects / Classification of Term Deposition / bank.csv_flow
Steps
Use a code template to add a step
Data
Profile
Visualizations
FREQUENCY
FREQUENCY
FREQUENCY
STATISTICS
Interquartile Range 14
Minimum 1
Maximum 31
Median 15
Standard Deviation 8.42980166229348
STATISTICS
Maximum length 3
Minimum length 3
Mean length 3
Unique 12
STATISTICS
Interquartile Range 381.25
Minimum 2
Maximum 3881
Median 267
Standard Deviation 356.708977438326
Information
Details
Help
Edit
LOCATION
Classification of Term Deposition
DATA REFINERY FLOW NAME
bank.csv_flow
Enter a description of the Data Refinery flow
STEPS
1
DATA REFINERY FLOW OUTPUT
Type here to search
27°C Clear
ENG
22:54:04
24-04-2022

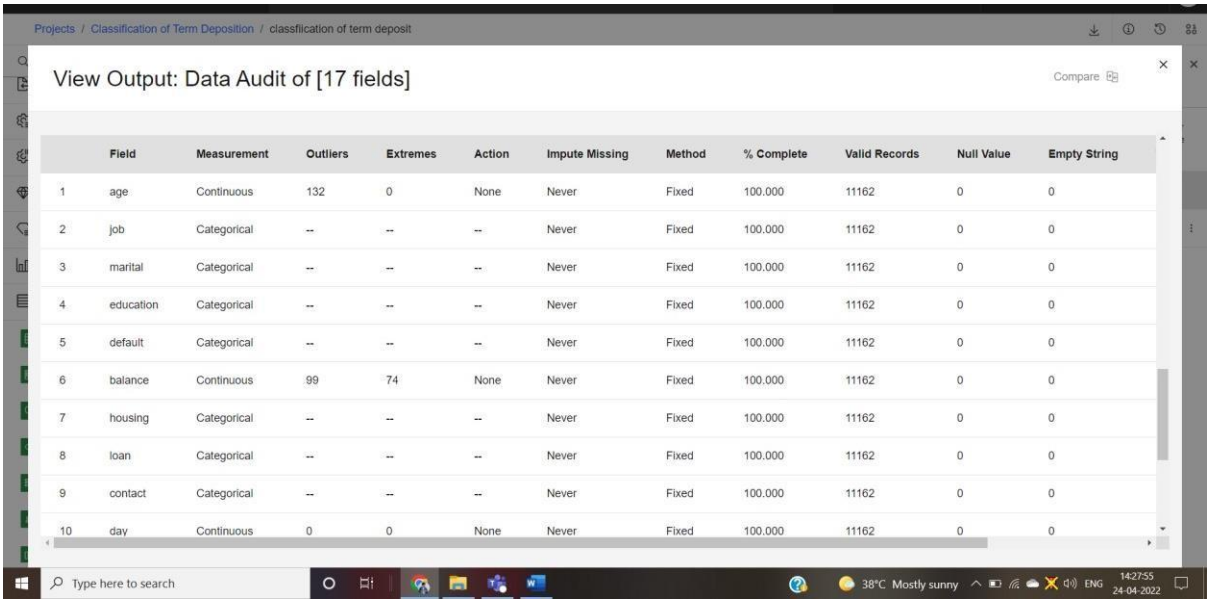

Projects / Classification of Term Deposition / bank.csv_flow
Steps
Use a code template to add a step
Data
Profile
Visualizations
FREQUENCY
FREQUENCY
FREQUENCY
STATISTICS
Interquartile Range 2
Minimum 1
Maximum 63
Median 2
Standard Deviation 2.67788571398962
STATISTICS
Interquartile Range 82
Minimum -1
Maximum 854
Median -1
Standard Deviation 110.115410955793
STATISTICS
Interquartile Range 1
Minimum 0
Maximum 58
Median 0
Standard Deviation 2.31262108042486
Information
Details
Help
Edit
LOCATION
Classification of Term Deposition
DATA REFINERY FLOW NAME
bank.csv_flow
Enter a description of the Data Refinery flow
STEPS
1
DATA REFINERY FLOW OUTPUT
Type here to search
27°C Clear
ENG
22:54:24
24-04-2022


Projects / Classification of Term Deposition / bank.csv_flow
Steps
Use a code template to add a step
Data
Profile
Visualizations
FREQUENCY
FREQUENCY
FREQUENCY
STATISTICS
Interquartile Range 1
Minimum 0
Maximum 58
Median 0
Standard Deviation 2.31262108042486
STATISTICS
Maximum length 7
Minimum length 5
Mean length 6.9022
Unique 4
STATISTICS
Maximum length 3
Minimum length 2
Mean length 2.5289
Unique 2
Information
Details
Help
Edit
LOCATION
Classification of Term Deposition
DATA REFINERY FLOW NAME
bank.csv_flow
Enter a description of the Data Refinery flow
STEPS
1
DATA REFINERY FLOW OUTPUT
Type here to search
27°C Clear
ENG
22:54:40
24-04-2022

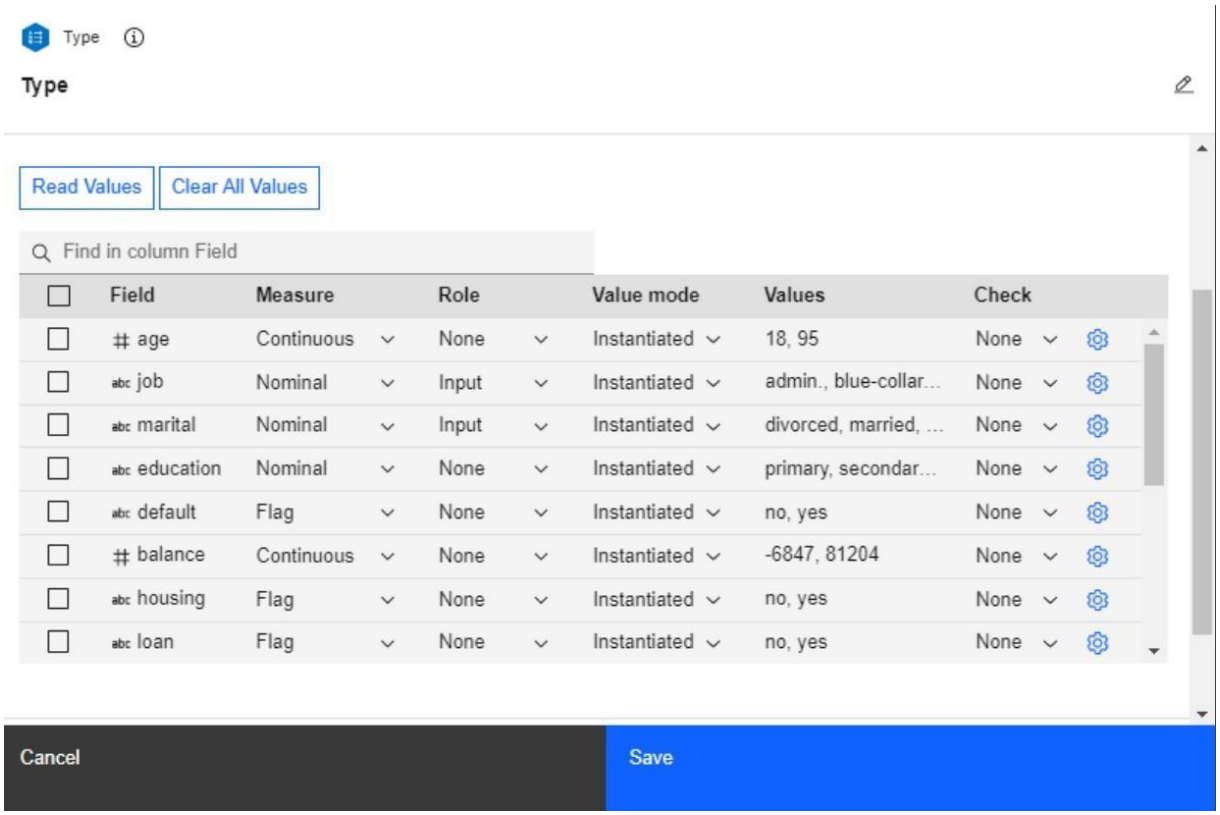

Projects / Classification of Term Deposition / classflication of term deposit
Find palette nodes
Run selection
Import
Record Operations
Field Operations
Modeling
Text Analytics
Graphs
Outputs
Export
bank.csv
Type
Partition
deposit
17 Fields
deposit
job v. $XF-deposit
Type here to search
28°C Clear
ENG
22:39:14
24-04-2022

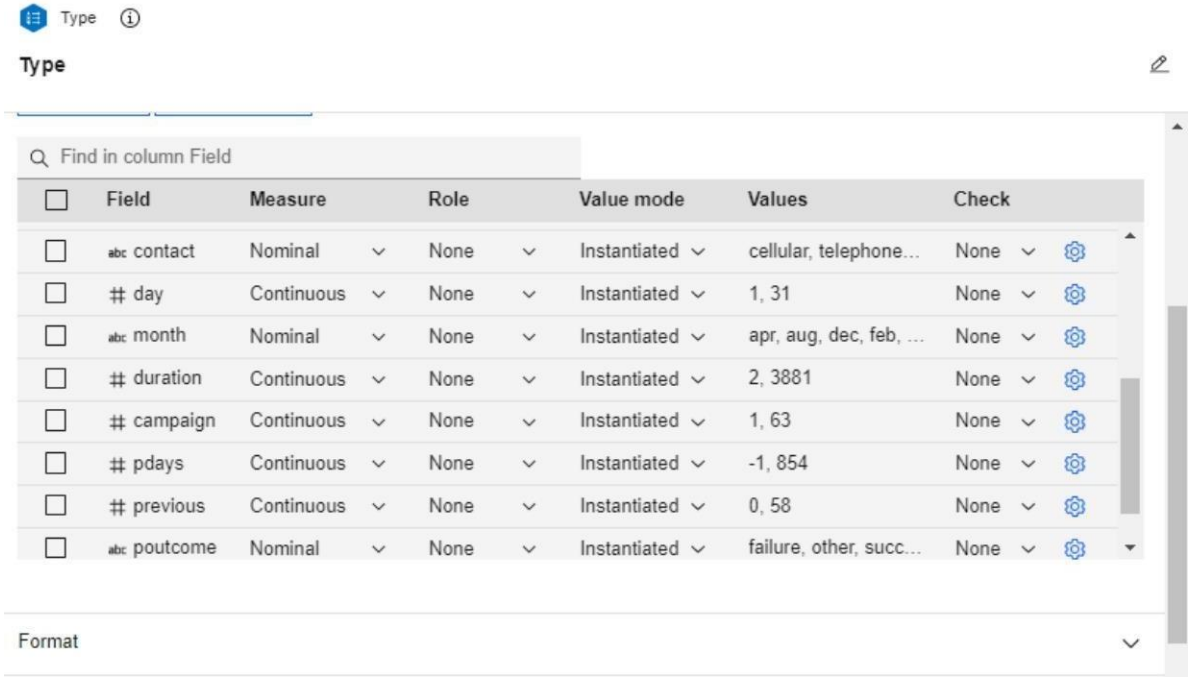


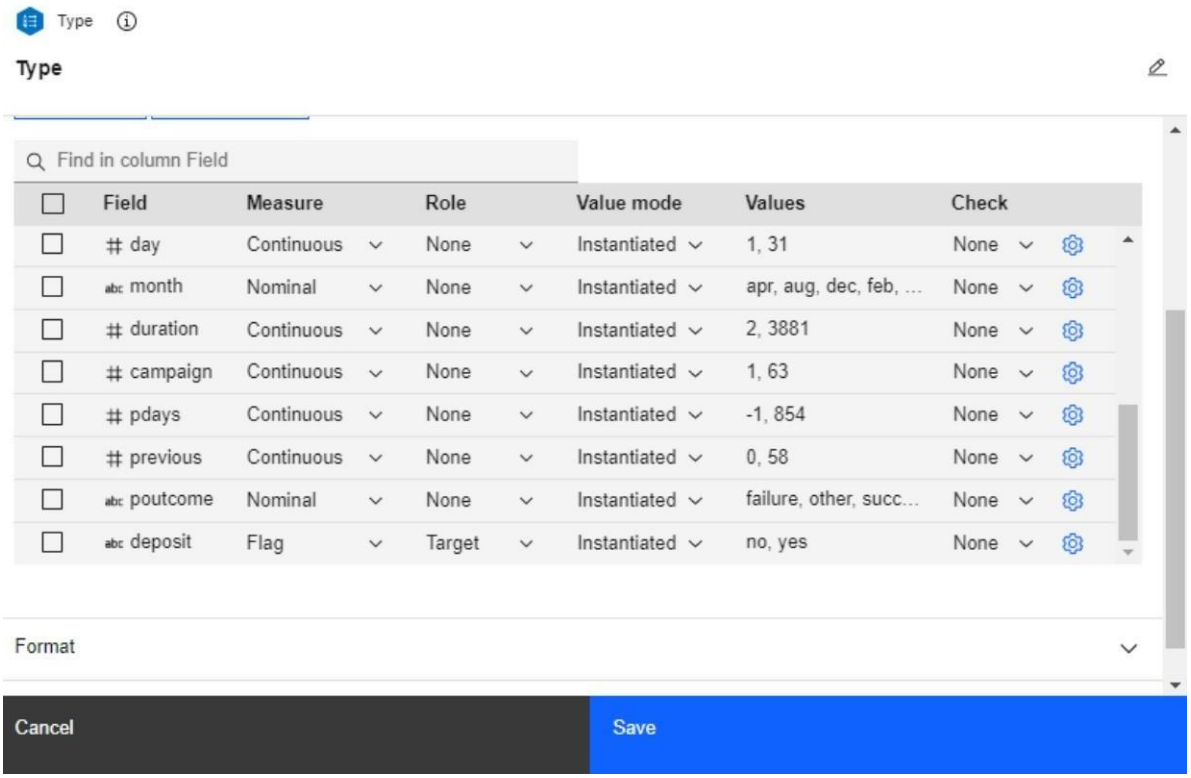
	Field	Sample Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
1	age		Continuous	18	95	41.232	11.913	0.863	--	11162
2	job		Categorical	--	--	--	--	--	12	11162
3	marital		Categorical	--	--	--	--	--	3	11162
4	education		Categorical	--	--	--	--	--	4	11162
5	default		Categorical	--	--	--	--	--	2	11162
6	balance		Continuous	-6847	81204	1528.539	3225.413	8.225	--	11162
7	housing		Categorical	--	--	--	--	--	2	11162



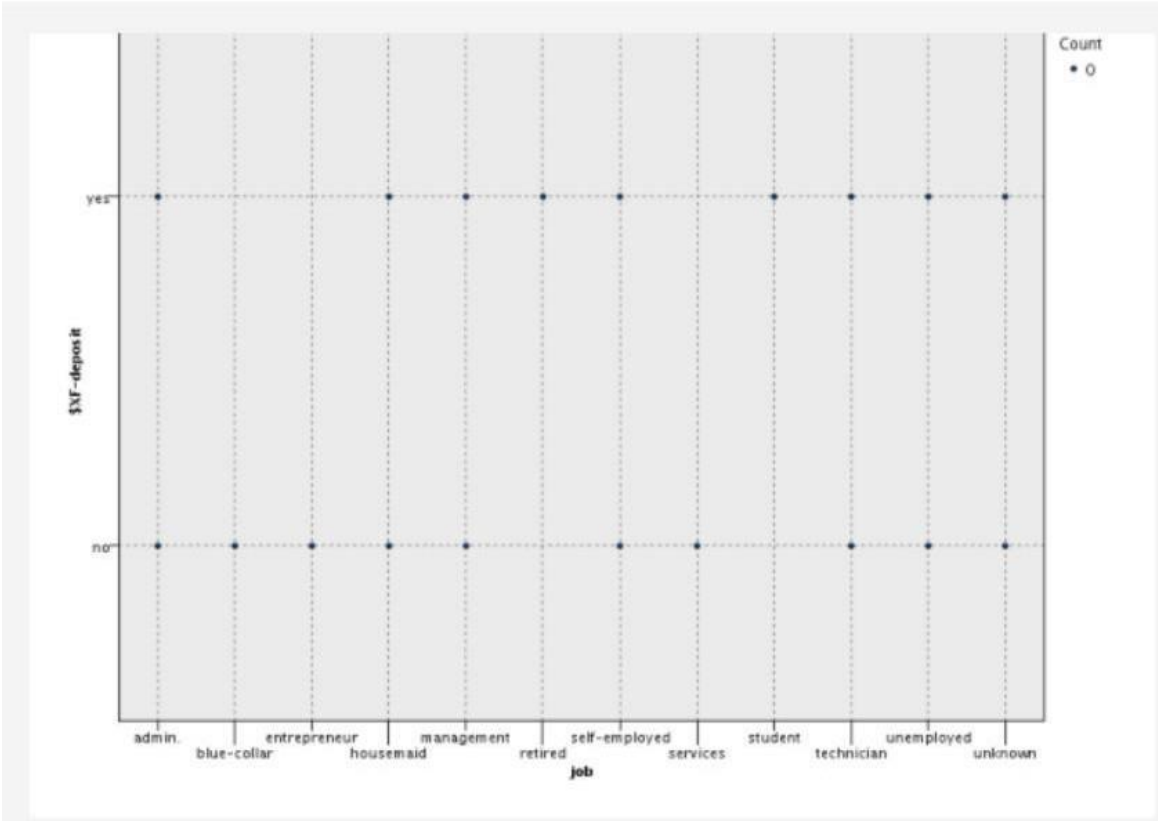
	Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value	Empty String
1	age	Continuous	132	0	None	Never	Fixed	100.000	11162	0	0
2	job	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
3	marital	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
4	education	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
5	default	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
6	balance	Continuous	99	74	None	Never	Fixed	100.000	11162	0	0
7	housing	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
8	loan	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
9	contact	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0
10	day	Continuous	0	0	None	Never	Fixed	100.000	11162	0	0


Type
Type
Read Values
Clear All Values
Find in column Field
Field
Measure
Role
Value mode
Values
Check
age
Continuous
None
Instantiated
18, 95
None
job
Nominal
Input
Instantiated
admin., blue-collar...
None
marital
Nominal
Input
Instantiated
divorced, married, ...
None
education
Nominal
None
Instantiated
primary, secondar...
None
default
Flag
None
Instantiated
no, yes
None
balance
Continuous
None
Instantiated
-6847, 81204
None
housing
Flag
None
Instantiated
no, yes
None
loan
Flag
None
Instantiated
no, yes
None
Cancel
Save


Type
Type
Find in column Field
Field
Measure
Role
Value mode
Values
Check
contact
Nominal
None
Instantiated
cellular, telephone...
None
day
Continuous
None
Instantiated
1, 31
None
month
Nominal
None
Instantiated
apr, aug, dec, feb, ...
None
duration
Continuous
None
Instantiated
2, 3881
None
campaign
Continuous
None
Instantiated
1, 63
None
pdays
Continuous
None
Instantiated
-1, 854
None
previous
Continuous
None
Instantiated
0, 58
None
poutcome
Nominal
None
Instantiated
failure, other, succ...
None
Format


Type
Type
Find in column Field
Field
Measure
Role
Value mode
Values
Check
day
Continuous
None
Instantiated
1, 31
None
month
Nominal
None
Instantiated
apr, aug, dec, feb, ...
None
duration
Continuous
None
Instantiated
2, 3881
None
campaign
Continuous
None
Instantiated
1, 63
None
pdays
Continuous
None
Instantiated
-1, 854
None
previous
Continuous
None
Instantiated
0, 58
None
poutcome
Nominal
None
Instantiated
failure, other, succ...
None
deposit
Flag
Target
Instantiated
no, yes
None
Format
Cancel
Save

View Output: job v. $XF-deposit



View Model: deposit

Auto Classifier ⓘ

Models

Auto Classifier - Models ⓘ

TARGET : DEPOSIT

USE	MODEL NAME	ESTIMATOR	BUILD TIME (MINS)	NO. FIELDS USED	ACCURACY	ACCUMULATED ACCURACY	AREA UNDER CURVE	ACCUMULATED AUC	RECALL	PRECISION	ACTIONS
☑	Random Trees 1	Random Trees	< 1	2	57.295	57.295	0.595	0.595	0.581	0.548	
☑	LSVM 1	Linear SVM	< 1	2	57.414	57.414	0.609	0.609	0.408	0.573	
☑	Tree-AS 1	CHAID	< 1	2	57.622	57.622	0.605	0.605	0.378	0.583	
☑	CHAID 1	CHAID	< 1	2	57.622	57.622	0.605	0.605	0.378	0.583	
☑	C5 1	C5.0	< 1	2	57.444	57.444	0.587	0.587	0.388	0.578	