

What assets are you looking for?

Data assets

New Data asset

0 assets selected.

<input type="checkbox"/>	Name	Type	Created by	Last modified	
<input type="checkbox"/>	CSV <a href="#">bank.csv</a>	Data Asset	Joshi Nandini	Dec 20, 2021, 01:53 PM	

Modeler flows

New Modeler flow

Name	Type	Created by	Last modified	
<a href="#">Term Deposit Classification</a>	SPSS Modeler	Joshi Nandini	Dec 20, 2021, 10:13 PM	

Data Refinery flows

New Data Refinery flow

Name	Type	Created by	Last modified	
<a href="#">bank.csv_flow</a>	Data Refinery flow	Joshi Nandini	Dec 20, 2021, 01:56 PM	



Preview

Activities

Visualization

Schema: 17 Columns

Preview: First 1000 rows

Last refresh: 10 seconds ago

Refine

age String	job String	marital String	education String	default String	balance String	housing String	loan String	contact String	day String	month String	duration String	campaign String
59	admin.	married	secondary	no	2343	yes	no	unknown	5	may	1042	1
56	admin.	married	secondary	no	45	no	no	unknown	5	may	1467	1
41	technician	married	secondary	no	1270	yes	no	unknown	5	may	1389	1
55	services	married	secondary	no	2476	yes	no	unknown	5	may	579	1
54	admin.	married	tertiary	no	184	no	no	unknown	5	may	673	2
42	management	single	tertiary	no	0	yes	yes	unknown	5	may	562	2
56	management	married	tertiary	no	830	yes	yes	unknown	6	may	1201	1
60	retired	divorced	secondary	no	545	yes	no	unknown	6	may	1030	1
37	technician	married	secondary	no	1	yes	no	unknown	6	may	608	1
28	services	single	secondary	no	5090	yes	no	unknown	6	may	1297	3
38	admin.	single	secondary	no	100	yes	no	unknown	7	may	786	1
30	blue-collar	married	secondary	no	309	yes	no	unknown	7	may	1574	2
29	management	married	tertiary	no	199	yes	yes	unknown	7	may	1689	4

Steps 📄

Use a code template to add a step

↩ ↪

Data

Profile

Visualizations

	age Integer	job String	marital String	education String	default String	balance Integer	housing String
1	59	admin.	married	secondary	no	2343	yes
2	56	admin.	married	secondary	no	45	no
3	41	technician	married	secondary	no	1270	yes
4	55	services	married	secondary	no	2476	yes
5	54	admin.	married	tertiary	no	184	no
6	42	management	single	tertiary	no	0	yes
7	56	management	married	tertiary	no	830	yes
8	60	retired	divorced	secondary	no	545	yes
9	37	technician	married	secondary	no	1	yes
10	28	services	single	secondary	no	5090	yes
11	38	admin.	single	secondary	no	100	yes
12	30	blue-collar	married	secondary	no	309	yes
13	29	management	married	tertiary	no	199	yes
14	46	blue-collar	single	secondary	no	166	yes

<

>

SOURCE FILE: bank.csv 🔗 SAMPLE SIZE: First 10000 rows

Information

✕

Details

Help

Edit

✎

LOCATION

Term Deposit

DATA REFINERY FLOW NAME

bank.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

Integer

FREQUENCY

[34,42]

[26,34]

[42,50]

[50,58]

[58,66]

[18,26]

[66,74]

[74,82]

[82,90]

[90,95]

STATISTICS

Interquartile Range

17

job

String

FREQUENCY

management

blue-collar

technician

admin.

services

retired

self-employed

student

unemployed

entrepreneur

STATISTICS

Maximum length

13

marital

String

FREQUENCY

married

single

divorced

STATISTICS

Maximum length

8

Information

Details

Help

Edit

LOCATION

Term Deposit

DATA REFINERY FLOW NAME

bank.csv\_flow

Enter a description of the Data Refinery flow

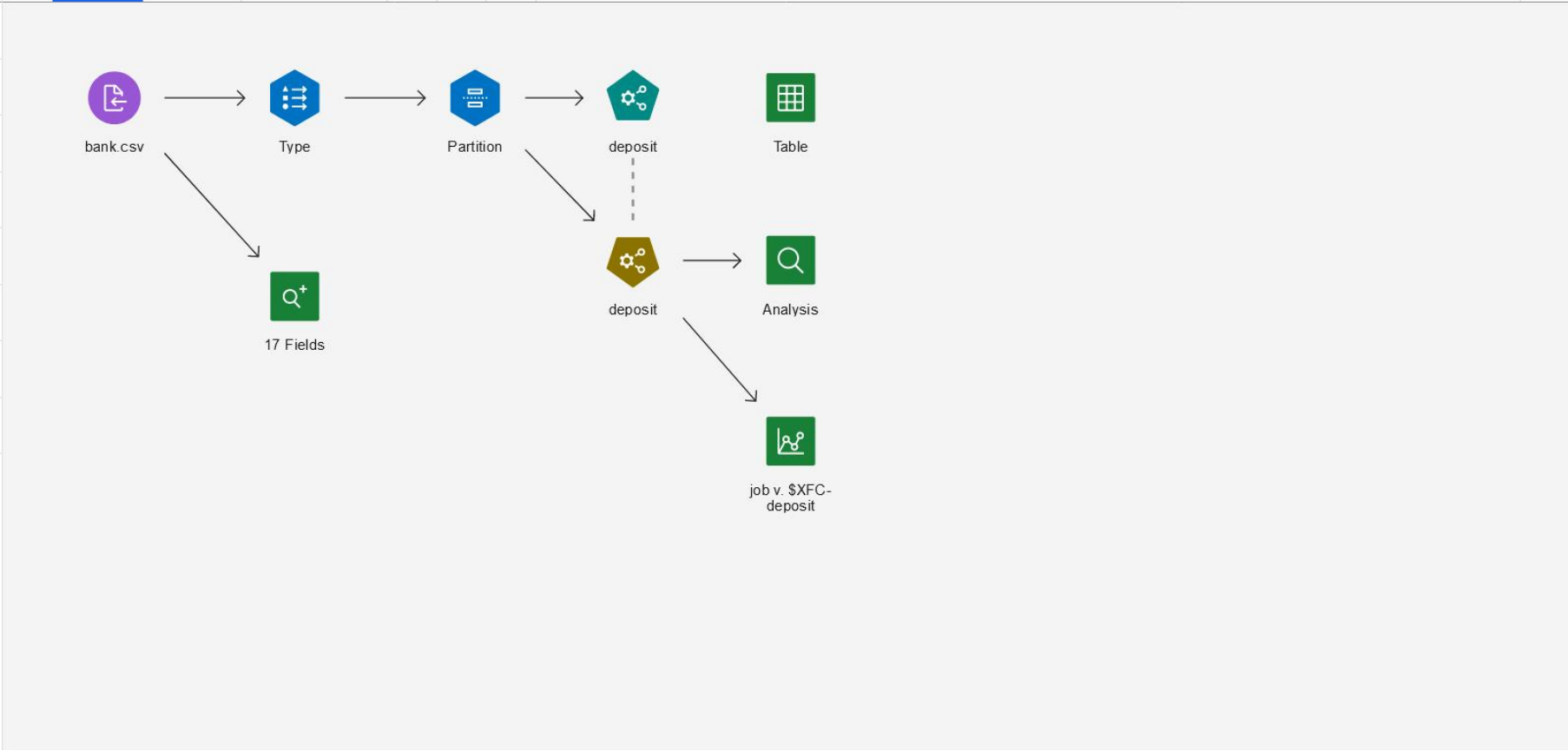
STEPS


















1

DATA REFINERY FLOW OUTPUT

Location

- 📄 Import ▾
- ⚙️ Record Operations ▾
- ⚙️ Field Operations ▾
- 💎 Modeling ▾
- 🔍 Text Analytics ▾
- 📊 Graphs ▾
- 📋 Outputs ▾
- 📄 Export ▾



IBM Watson Studio										
All										
Search										
Buy										
Joshi Nandini's Account										
Projects / Term Deposit / Term Deposit Classification										
View Output: Data Audit of [17 fields]										
	Field	Sample Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
1	age		Continuous	18	95	41.232	11.813	0.883	--	11162
2	job		Categorical	--	--	--	--	--	12	11162
3	marital		Categorical	--	--	--	--	--	3	11162
4	education		Categorical	--	--	--	--	--	4	11162
5	default		Categorical	--	--	--	--	--	2	11162
6	balance		Continuous	-8847	81204	1528.539	3225.413	8.225	--	11162
7	housing		Categorical	--	--	--	--	--	2	11162
8	loan		Categorical	--	--	--	--	--	2	11162
9	contact		Categorical	--	--	--	--	--	3	11162
10	day		Continuous	1	31	15.858	8.421	0.111	--	11162
11	month		Categorical	--	--	--	--	--	12	11162
12	duration		Continuous	2	3881	371.094	347.128	2.144	--	11162
13	campaign		Continuous	1	63	2.508	2.722	5.546	--	11162
14	pdays		Continuous	-1	854	51.330	108.758	2.450	--	11162
15	previous		Continuous	0	58	0.833	2.262	7.335	--	11162
16	poutcome		Categorical	--	--	--	--	--	4	11162
17	deposit		Categorical	--	--	--	--	--	2	11162

IBM Watson Studio

All

Search

Buy

Joshi Nandini's Account

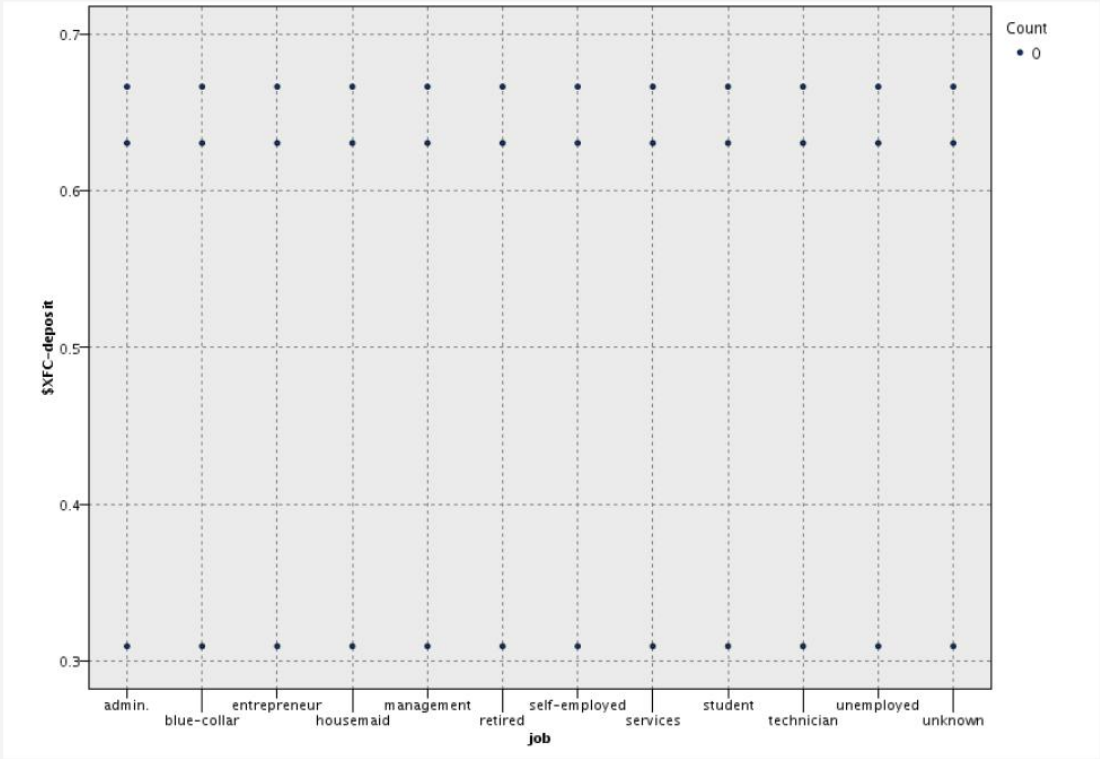
JN

Projects / Term Deposit / Term Deposit Classification

View Output: Data Audit of [17 fields]

	Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value	Empty String	White Space	Blank Value
1	age	Continuous	132	0	None	Never	Fixed	100.000	11162	0	0	0	0
2	job	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
3	marital	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
4	education	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
5	default	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
6	balance	Continuous	99	74	None	Never	Fixed	100.000	11162	0	0	0	0
7	housing	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
8	loan	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
9	contact	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
10	day	Continuous	0	0	None	Never	Fixed	100.000	11162	0	0	0	0
11	month	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
12	duration	Continuous	179	22	None	Never	Fixed	100.000	11162	0	0	0	0
13	campaign	Continuous	136	74	None	Never	Fixed	100.000	11162	0	0	0	0
14	pdays	Continuous	149	27	None	Never	Fixed	100.000	11162	0	0	0	0
15	previous	Continuous	163	57	None	Never	Fixed	100.000	11162	0	0	0	0
16	poutcome	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0
17	deposit	Categorical	--	--	--	Never	Fixed	100.000	11162	0	0	0	0

View Output: job v. \$XFC-deposit





# View Output: Analysis of [deposit]

Collapse All

Results for output field deposit

Comparing \$XF-deposit with deposit

'Partition'	1_Training		2_Testing	
Correct	4,305	55.26%	1,874	55.58%
Wrong	3,485	44.74%	1,498	44.42%
Total	7,790		3,372	

IBM Watson Studio

All

Search

Buy

Joshi Nandini's Account

JN

Projects / Term Deposit / Term Deposit Classification

View Model: deposit

Auto Classifier ①

Models

Auto Classifier - Models ①

TARGET : DEPOSIT

USE	MODEL NAME	ESTIMATOR	BUILD TIME (MINS)	NO. FIELDS USED	ACCURACY	ACCUMULATED ACCURACY	AREA UNDER CURVE	ACCUMULATED AUC	RECALL	PRECISION	ACTIONS
<input checked="" type="checkbox"/>	<a href="#">Random Trees 1</a>	Random Trees	< 1	1	54.918	54.918	0.550	0.550	0.479	0.527	
<input checked="" type="checkbox"/>	<a href="#">Logistic regression 1</a>	Nominal Regression	< 1	1	55.357	55.357	0.550	0.550	0.362	0.543	
<input checked="" type="checkbox"/>	<a href="#">LSVM 1</a>	Linear SVM	< 1	1	55.357	55.357	0.550	0.550	0.362	0.543	
<input checked="" type="checkbox"/>	<a href="#">Decision List 1</a>	Decision List	< 1	1	54.918	54.918	0.550	0.550	0.479	0.527	
<input checked="" type="checkbox"/>	<a href="#">Bayesian Network 1</a>	BayesNet	< 1	1	55.357	55.357	0.550	0.550	0.362	0.543	