NAME:S.S.NITHISH SOORYA

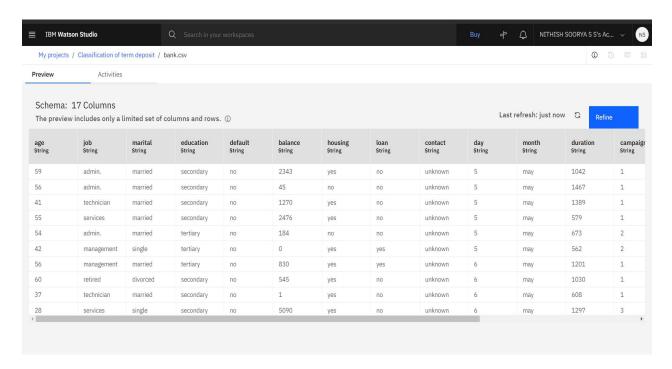
REG NO:19BEC0212

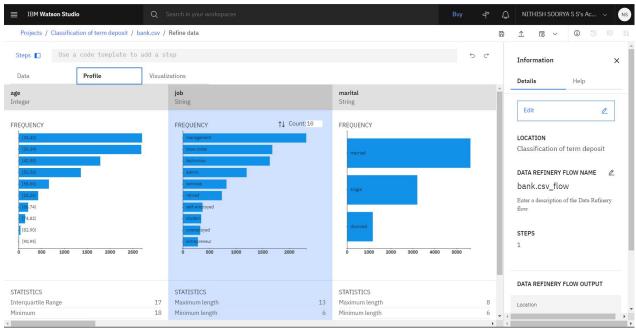
CAMPUS: VELLORE

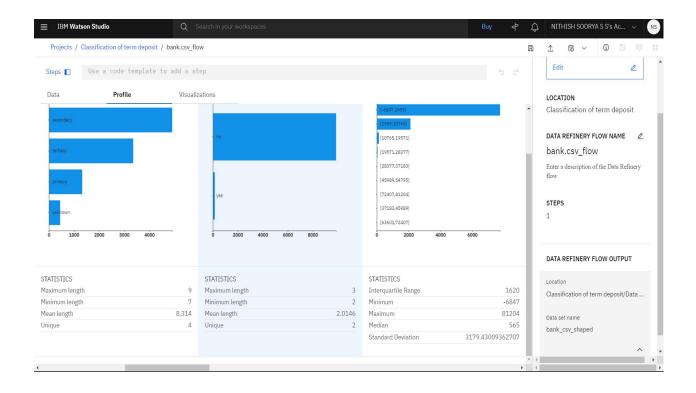
DATA ANALYTICS

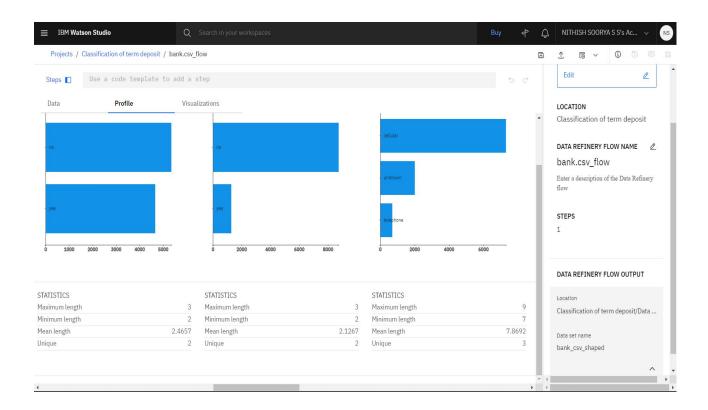
ASSIGNMENT - 3

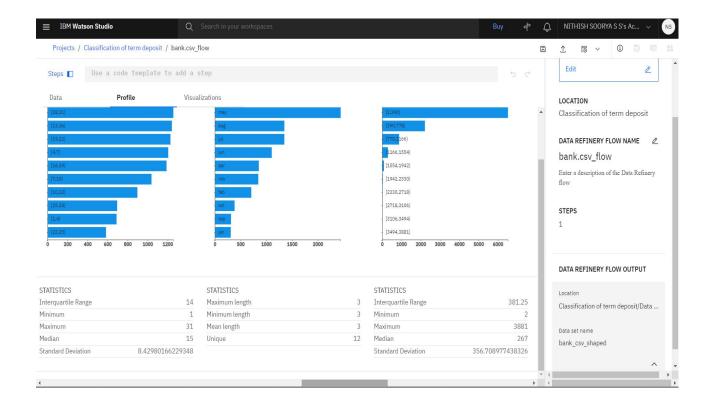
CLASSIFICATION OF TERM DEPOSIT BUYERS FOR RETAIL BANKING

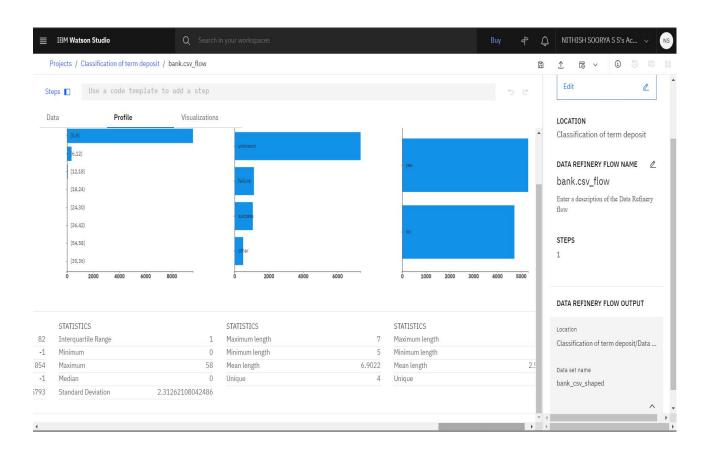


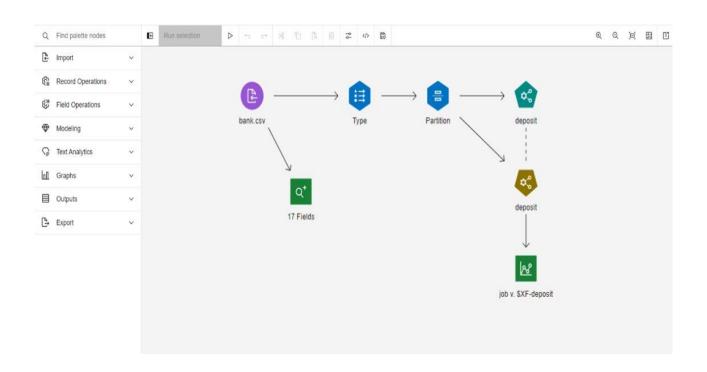


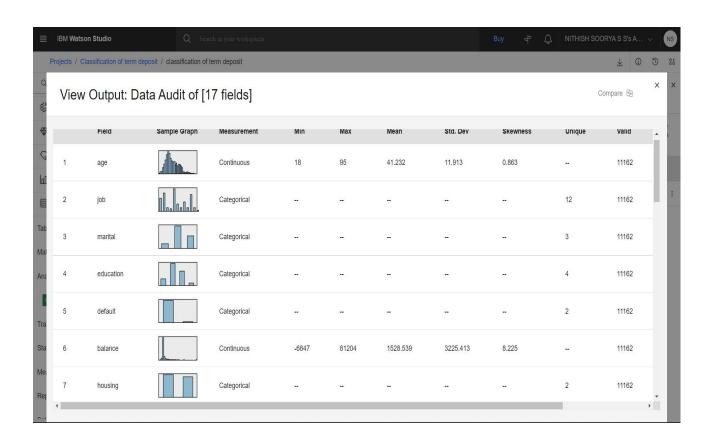


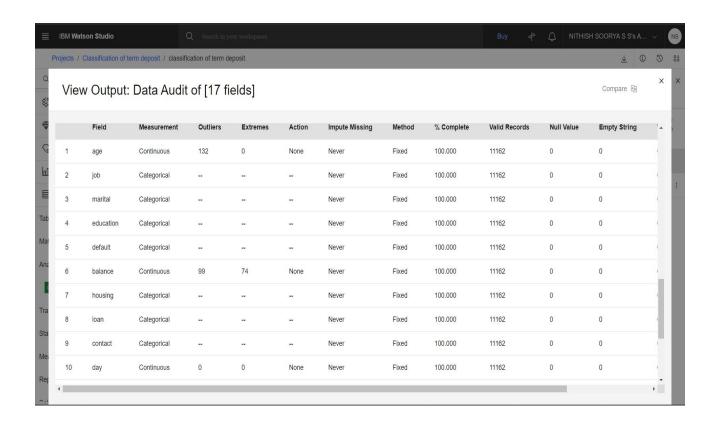












Field	Measure		Role		Value mode	Values	Check			
# age	Continuous	~	Input	~	Instantiated ~	18, 95	None	~	(6)	٨
abc jOb	Nominal	~	Input	~	Instantiated ~	admin., blue-collar,	None	~	©	
abc marital	Nominal	~	Input	~	Instantiated ~	divorced, married,	None	~	©	
abc education	Nominal	v	Input	~	Instantiated v	primary, secondary	None	~	©	
abc default	Flag	~	None	~	Instantiated ~	no, yes	None	~	©	
# balance	Continuous	Y	Input	~	Instantiated ~	-6847, 81204	None	~	©	
abc housing	Flag	~	Input	~	Instantiated ~	no, yes	None	~	©	
abc loan	Flag	V	Input	~	Instantiated ~	no, yes	None	~	(6)	

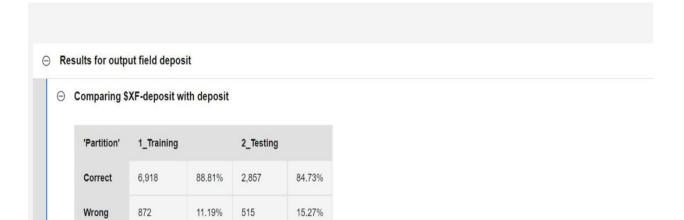
Field	Measure		Role		Value mode	Values	Check			
# day	Continuous	v	Input	v	Instantiated ∨	1, 31	None	v	(6)	
abc month	Nominal	V	Input	٧	Instantiated ∨	apr, aug, dec, feb,	None	v	(3)	
# duration	Continuous	v	Input	٧	Instantiated ∨	2, 3881	None	v	(3)	
# campaign	Continuous	v	Input	٧	Instantiated ∨	1, 63	None	v	(3)	
# pdays	Continuous	V	Input	٧	Instantiated ~	-1, 854	None	Y	(3)	
# previous	Continuous	v	Input	V	Instantiated v	0, 58	None	v	(3)	
abc poutcome	Nominal	~	None	٧	Instantiated ∨	failure, other, succ	None	v	(3)	
abc deposit	Flag	~	Target	V	Instantiated v	no, yes	None	V	(6)	

View Output: Analysis of [deposit]

Total

7,790

3,372



View Model: deposit

Auto Classifier 1

Auto Classifier - Models ①

Models

TARGET : DEPOSIT

USE	MODEL NAME	ESTIMATOR V	BUILD TIME (MINS)	NO. FIELDS USED	ACCURACY	ACCUMULATED ACCURACY	AREA UNDER CURVE	ACCUMULATED AUC	RECALL	PRECISION	ACT
V	Random Trees 1	Random Trees	1	14	83.096	83.096	0.893	0.893	0.860	0.800	Ī
V	Logistic regression 1	Nominal Regression	<1	14	80.042	80.042	0.885	0.885	0.765	0.805	
~	C51	C5.0	<1	13	85.024	85.024	0.897	0.897	0.878	0.819	
Y	Bayesian Network	BayesNet	<1	14	78.529	78.529	0.835	0.835	0.708	0.819	

View Model: deposit

Auto Classifier ①

Auto Classifier - Models ©

Models

TARGET : DEPOSIT

USE	MODEL NAME	ESTIMATOR ▼	BUILD TIME (MINS)	NO. FIELDS USED	ACCURACY	ACCUMULATED ACCURACY	AREA UNDER CURVE	ACCUMULATED AUC	RECALL	PRECISION
	XGBoost Tree 1	XGBoost Binary Classification Model	1	14	83.482	83.482	0.906	0.906	0.846	0.813
~	Random Trees 1	Random Trees	1	14	83.096	83.096	0.893	0.893	0.860	0.800
V	Logistic regression 1	Nominal Regression	<1	14	80.042	80.042	0.885	0.885	0.765	0.805
~	C5.1	C5.0	< 1	13	85.024	85.024	0.897	0.897	0.878	0.819

×

View Output: job v. \$XF-deposit

