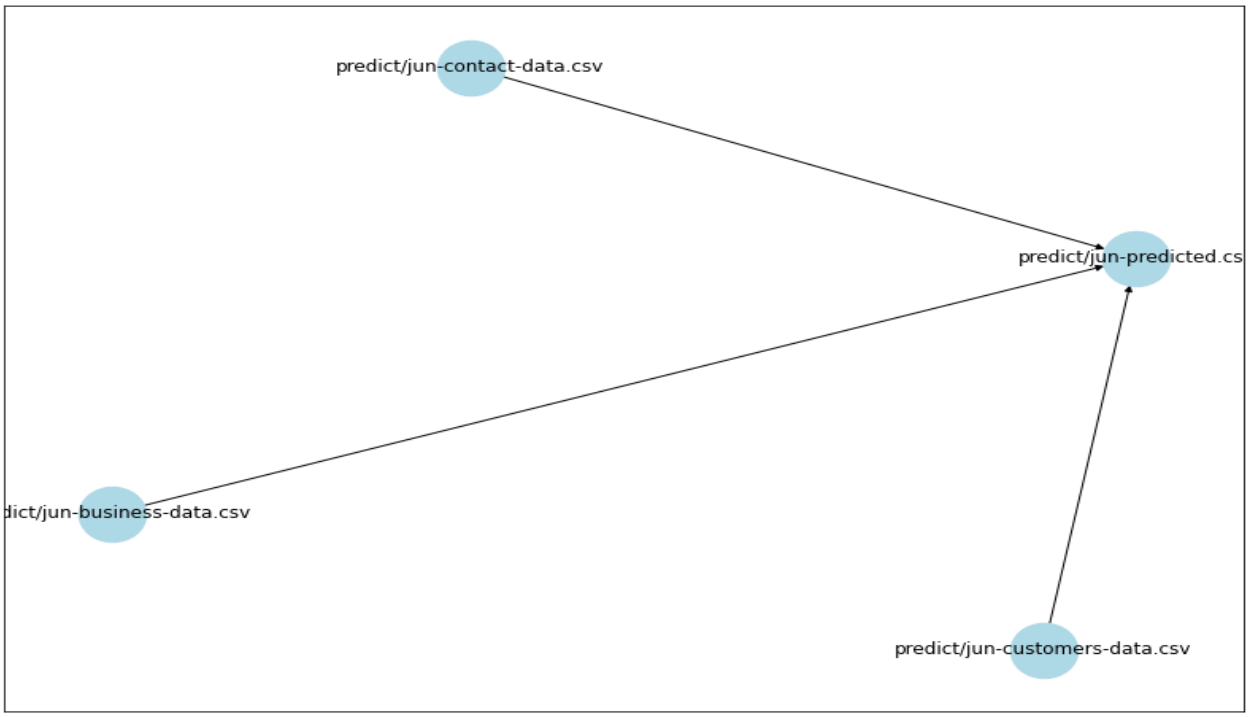
AI Observability report

Context

Project : O-Reilly
Application: Exercise 5 - Prediction
Environment: Production
Run on: 2021-04-28T12:42:58.334814
With version https://gitlab.example.com,2021-04-28T12:42:58.333643

Lineage



Data Sources

Data Source Name: predict/jun-customers-data.csv

Data Source ID:

Name	Format	Location
predict/jun-customers-data.csv	csv	file:/Users/kensu/Customers/Kensu/AI_obs_training/data/predict/jun-customers-data.csv

Data Source Schema:

Field	Used or not
age	unused
job	used
marital	used
education	unused
default	unused
housing	unused
loan	unused
id	used

Data Source Stats:

age							
count	mean	std	min	25%	50%	75%	max
5988.0	39.87	10.43	17.0	32.0	38.0	47.0	98.0
id							
count	mean	std	min	25%	50%	75%	max
5988.0	20486.95	11863.0	4.0	10158.25	20451.5	30804.0	41184.0

Data Source Name: predict/jun-contact-data.csv

Data Source ID:

Name	Format	Location
predict/jun-contact-data.csv	csv	file:/Users/kensu/Customers/Kensu/AI_obs_training/data/predict/jun-contact-data.csv

Data Source Schema:

Field	Used or not
contact	unused

month	used
day_of_week	unused
campaign	unused
pdays	unused
previous	unused
poutcome	used
id	used

Data Source Stats:

campaign							
count	mean	std	min	25%	50%	75%	max
5988.0	2.53	2.78	1.0	1.0	2.0	3.0	41.0
pdays							
count	mean	std	min	25%	50%	75%	max
5988.0	961.51	189.31	0.0	999.0	999.0	999.0	999.0
previous							
count	mean	std	min	25%	50%	75%	max
5988.0	0.17	0.49	0.0	0.0	0.0	0.0	5.0
id							
count	mean	std	min	25%	50%	75%	max
5988.0	20486.95	11863.0	4.0	10158.25	20451.5	30804.0	41184.0

Data Source Name: predict/jun-business-data.csv

Data Source ID:

Name	Format	Location
predict/jun-business-data.csv	csv	file:/Users/kensu/Customers/Kensu/AI_obs_training/data/predict/jun-business-data.csv

Data Source Schema:

Field	Used or not
emp_var_rate	unused
cons_price_idx	unused
cons_conf_idx	unused
euribor3m	used
nr_employed	unused
id	unused

Data Source Stats:

emp_var_rate							
count	mean	std	min	25%	50%	75%	max
5988.0	0.08	1.58	-3.4	-1.8	1.1	1.4	1.4
cons_price_idx							
count	mean	std	min	25%	50%	75%	max
5988.0	93.57	0.58	92.2	93.08	93.44	93.99	94.77
cons_conf_idx							
count	mean	std	min	25%	50%	75%	max
5988.0	-40.51	4.68	-50.8	-42.7	-41.8	-36.4	-26.9
euribor3m							
count	mean	std	min	25%	50%	75%	max
5988.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0
nr_employed							
count	mean	std	min	25%	50%	75%	max
5988.0	5167.01	72.21	4963.6	5099.1	5191.0	5228.1	5228.1
id							
count	mean	std	min	25%	50%	75%	max
5988.0	20486.95	11863.0	4.0	10158.25	20451.5	30804.0	41184.0

Data Source Name: predict/jun-predicted.csv

Data Source ID:

Name	Format	Location
predict/jun-predicted.csv	csv	file:/Users/kensu/Customers/Kensu/AI_obs_training/data/predict/jun-predicted.csv

Data Source Schema:

Field	Used or not
euribor3m	unused
job_blue-collar	unused
job_housemaid	unused
marital_unknown	unused
month_apr	unused
month_aug	unused
month_jul	unused

month_jun	unused
month_mar	unused
month_may	unused
month_nov	unused
month_oct	unused
poutcome_success	unused
id	unused
prediction	unused

Data Source Stats:

euribor3m							
count	mean	std	min	25%	50%	75%	max
5988.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0
job_blue-collar							
count	mean	std	min	25%	50%	75%	max
5988.0	0.22	0.42	0.0	0.0	0.0	0.0	1.0
job_housemaid							
count	mean	std	min	25%	50%	75%	max
5988.0	0.03	0.16	0.0	0.0	0.0	0.0	1.0
marital_unknown							
count	mean	std	min	25%	50%	75%	max
5988.0	0.0	0.05	0.0	0.0	0.0	0.0	1.0
month_apr							
count	mean	std	min	25%	50%	75%	max
5988.0	0.07	0.25	0.0	0.0	0.0	0.0	1.0
month_aug							
count	mean	std	min	25%	50%	75%	max
5988.0	0.15	0.36	0.0	0.0	0.0	0.0	1.0
month_jul							
count	mean	std	min	25%	50%	75%	max
5988.0	0.17	0.38	0.0	0.0	0.0	0.0	1.0
month_jun							
count	mean	std	min	25%	50%	75%	max
5988.0	0.13	0.34	0.0	0.0	0.0	0.0	1.0
month_mar							

count	mean	std	min	25%	50%	75%	max
5988.0	0.01	0.11	0.0	0.0	0.0	0.0	1.0
month_may							
count	mean	std	min	25%	50%	75%	max
5988.0	0.34	0.47	0.0	0.0	0.0	1.0	1.0
month_nov							
count	mean	std	min	25%	50%	75%	max
5988.0	0.1	0.3	0.0	0.0	0.0	0.0	1.0
month_oct							
count	mean	std	min	25%	50%	75%	max
5988.0	0.02	0.13	0.0	0.0	0.0	0.0	1.0
poutcome_success							
count	mean	std	min	25%	50%	75%	max
5988.0	0.04	0.18	0.0	0.0	0.0	0.0	1.0
id							
count	mean	std	min	25%	50%	75%	max
5988.0	20486.95	11863.0	4.0	10158.25	20451.5	30804.0	41184.0
prediction							
count	mean	std	min	25%	50%	75%	max
5988.0	0.0	0.02	0.0	0.0	0.0	0.0	1.0

Service Level Agreement:

Profit must be greater than $6000

Service Level Objectives:

SLO	
Quality of contact-data table	{'schema': ["schema:predict/jun-contact-data.csv must be ['contact', 'month', 'day_of_week', 'campaign', 'pdays', 'previous', 'poutcome', 'id']"]}
Quality of business-data table	{'stats': ['euribor3m.mean must be in range [2, 4]']}

Service Level Indicators, here are the associated alerts:

Message	Expected	Actual
No alert for this run		