

AI Governance AI asset report

Car rental review satisfaction analysis

Dec 17, 2023

AI use case

Name	Car rental review
Status	In_operation
Approach	Generation with IBM Granite
Version	0.0.3

Foundation Model

Foundation Model	granite-13b-instruct-v2
Publisher	IBM

Prompt Template

Prompt Template name	Car rental review satisfaction analysis
Prompt Template ID	ba4ce1ca-f7af-4544-8879-5c2a8e6a88e4
Task type	Classification
Created by	Shuvanker Ghosh (sghosh@us.ibm.com)
Date	Dec 14 2023, 19:44 PM GMT

Prompt

ermine if the custom	er was satisfied with the experience based on the comment. Return simple yes or no.
Review:	I thought the representative handled the initial situation badly. The company was out of cars, with none coming in that day. Then the representative tried to find us a car at another franchise. There they were successful.
atisfied	no
Review:	The car rental agent was very helpful. He worked with us to get a bigger car for very little additional fees
atisfied	yes
out to test:	
eview}	

Variables

Review

Default Value Agent was nasty

Prompt parameters

Decoding

Decoding method	Greedy
Temperature	0.7
Тор Р	1
Тор К	50
Repetition Penalty	1
Random seed	None

Stopping criteria

Stop sequences

None

Min tokens	0
Max tokens	20

Evaluation

Development

Project name: Model Lifecycle Management with Watsonx Demo

Project ID	26329aec-3a9c-4399-ad0a-8316c6729832
Created by	Shuvanker Ghosh (sghosh@us.ibm.com)
Date	Dec 04 2023, 12:59 PM GMT
Asset name	Car rental review satisfaction analysis

Validate

Space name: Gen AI Model Deployments for Validation

Space ID	8a4a457f-aa96-4dbc-a1dd-15bae050c340
Created by	Shuvanker Ghosh (sghosh@us.ibm.com)
Date	Dec 05 2023, 17:43 PM GMT
Asset name	Car rental review satisfaction analysis
Number of deployments	1

Evaluation results

Deployment #1: Car rental review satisfaction analysis validation deployment

Deployment ID	aca1553f-90bd-4a6e-b7c4-e2a0602d2cd0
Created	Dec 13 2023, 14:00 PM GMT
Modified	Dec 17 2023, 14:55 PM GMT
Туре	Online

Scoring endpoints

 $\frac{\text{https://us-south.ml.cloud.ibm.com/ml/v1-beta/deployments/aca1553f-90bd-4a6e-b7c4-e2a0602d2cd0/generation/text}{\text{https://us-south.ml.cloud.ibm.com/ml/v1-beta/deployments/aca1553f-90bd-4a6e-b7c4-e2a0602d2cd0/generation/text_stream}$

Evaluation Activity

OpenScale instance ID	cc5e126e-17ee-493d-bff5-697cb87fd277
OpenScale service provider	SPACE_8a4a457f-aa96-4dbc-a1dd-15bae050c340
Last evaluation	Dec 15 2023, 04:35 AM GMT
Evaluation data	car_rental_review_payload_dataset.csv
Evaluation data type	Offline
<h4> Feedback data/</h4>	Test data
Feedback data location	db2
Database	bludb
Schema	aiopenscale00
Table	Feedback_48a55460-f552-48a0-a49d-8dee66bd87fb
Host	24013820-da9f-4e69-a7d6-17efc5d30a33.c8l9ggsd0kmvoig3l8kg.databases. appdomain.cloud
Port	31,613

Payload load/ Transaction storage

Payload log location	db2
Database	bludb
Schema	aiopenscale00

Table	Payload_48a55460-f552-48a0-a49d-8dee66bd87fb
Host	24013820-da9f-4e69-a7d6-17efc5d30a33.c8l9ggsd0kmvoig3l8kg.databases. appdomain.cloud
Port	31,613

Quality evaluation

Breach status	RED
Records evaluated	486
Last evaluation	Dec 15 2023, 04:35 AM GMT

Quality Metric	Value
Accuracy	0
Weighted True Positive Rate (wTPR)	0
Weighted False Positive Rate (wFPR)	0
Weighted recall	0
Weighted precision	0
Weighted F1-Measure	0
Label skew	-0.257
Matthews correlation coefficient	0

Model Health evaluation

Breach status	RED
Last evaluation	Dec 15 2023, 04:36 AM GMT

Model Health Metric	Value
Total records	486
Maximum record throughput	4.63
Median API throughput	3.65

Model Health Metric	Value
Median input token count	114
Average output token count	3
Minimum API throughput	0.503
Median record latency	274
Minimum output token count	3
Users	1
Maximum API latency	1,988
Maximum API throughput	4.63
Total scoring requests	486
Median records	1
Median record throughput	3.65
Minimum API latency	216
Average input token count	114
Average record throughput	2.949
Maximum input token count	114
Median output token count	3
Total output token count	1,458
Maximum records	1
Minimum record latency	216
Average record latency	339.06
Median API latency	274
Minimum records	1
Minimum input token count	114
Average API throughput	2.949
Maximum record latency	1,988
Average API latency	339.06
Total input token count	55,404
Minimum record throughput	0.503
Maximum output token count	3

Model Health Metric	Value
Average records	1

Operate

Space name: Gen AI Model Deployments for Production

Space ID	566d4549-253a-489c-8173-d3a9c92bb027
Created by	Shuvanker Ghosh (sghosh@us.ibm.com)
Date	Dec 14 2023, 19:42 PM GMT
Asset name	Car rental review satisfaction analysis
Number of deployments	1

Evaluation results

Deployment #1: Car rental review satisfaction analysis production deployment

Deployment ID	22905dc9-3d72-427a-91d2-8e3ddbae8b3b
Created	Dec 14 2023, 19:48 PM GMT
Modified	Dec 17 2023, 14:55 PM GMT
Туре	Online

Scoring endpoints

 $\frac{\text{https://us-south.ml.cloud.ibm.com/ml/v1-beta/deployments/22905dc9-3d72-427a-91d2-8e3ddbae8b3b/generation/text}, \\ \text{https://us-south.ml.cloud.ibm.com/ml/v1-beta/deployments/22905dc9-3d72-427a-91d2-8e3ddbae8b3b/generation/text_stream} \\ \text{https://us-south.ml.cloud.ibm.com/ml/v1-beta/deployments/22905dc9-3d72-427a-91d2-8e3ddbae8b3b/generation/text_stream/deployments/22905dc9-3d72-427a-91d2-8e3ddbae8b3b/generation/text_stream/deployments/22905dc9-3d72-427a-91d2-8e3ddbae8b3b/generation/text_stream/deployments/22905dc9-3d72-427a-91d2-8e3ddbae8b3b/generation/text_stream/deplo$

Evaluation Activity

OpenScale instance ID	cc5e126e-17ee-493d-bff5-697cb87fd277
OpenScale service provider	SPACE_566d4549-253a-489c-8173-d3a9c92bb027

Feedback data location	db2
Database	bludb
Schema	aiopenscale00
Table	Feedback_eaf6cb14-80d9-41c5-a919-0b7573f459af
Host	24013820-da9f-4e69-a7d6-17efc5d30a33.c8l9ggsd0kmvoig3l8kg.databases. appdomain.cloud
Port	31,613

Payload load/ Transaction storage

Payload log location	db2
Database	bludb
Schema	aiopenscale00
Table	Payload_eaf6cb14-80d9-41c5-a919-0b7573f459af
Host	24013820-da9f-4e69-a7d6-17efc5d30a33.c8l9ggsd0kmvoig3l8kg.databases. appdomain.cloud
Port	31,613

Quality evaluation

Breach status	GREEN
Records evaluated	486
Last evaluation	Dec 15 2023, 22:30 PM GMT

Quality Metric	Value
Accuracy	0.994
Weighted True Positive Rate (wTPR)	0.994
Weighted False Positive Rate (wFPR)	0.007
Weighted recall	0.994
Weighted precision	0.994

Quality Metric	Value
Weighted F1-Measure	0.994
Label skew	-0.266
Matthews correlation coefficient	0.987

Drift v2 evaluation

Records evaluated	486
Last evaluation	Dec 15 2023, 22:32 PM GMT

Drift v2 Metric	Value
Output metadata drift	0.149
Input metadata drift	0.151
Prediction drift	0

Model Health evaluation

Last evaluation Dec 17 2023, 04:56 AM GMT

Model Health Metric	Value
Total records	3
Maximum record throughput	3,964.939
Median API throughput	642.557
Median input token count	117
Average output token count	3
Minimum API throughput	371.72
Median record latency	1.556
Minimum output token count	3
Users	1
Maximum API latency	2.69
Maximum API throughput	3,964.939

Model Health Metric	Value
Total scoring requests	3
Median records	1
Median record throughput	642.557
Minimum API latency	0.252
Average input token count	117
Average record throughput	666.861
Maximum input token count	117
Median output token count	3
Total output token count	9
Maximum records	1
Minimum record latency	0.252
Average record latency	1.5
Median API latency	1.556
Minimum records	1
Minimum input token count	117
Average API throughput	666.861
Maximum record latency	2.69
Average API latency	1.5
Total input token count	351
Minimum record throughput	371.72
Maximum output token count	3
Average records	1