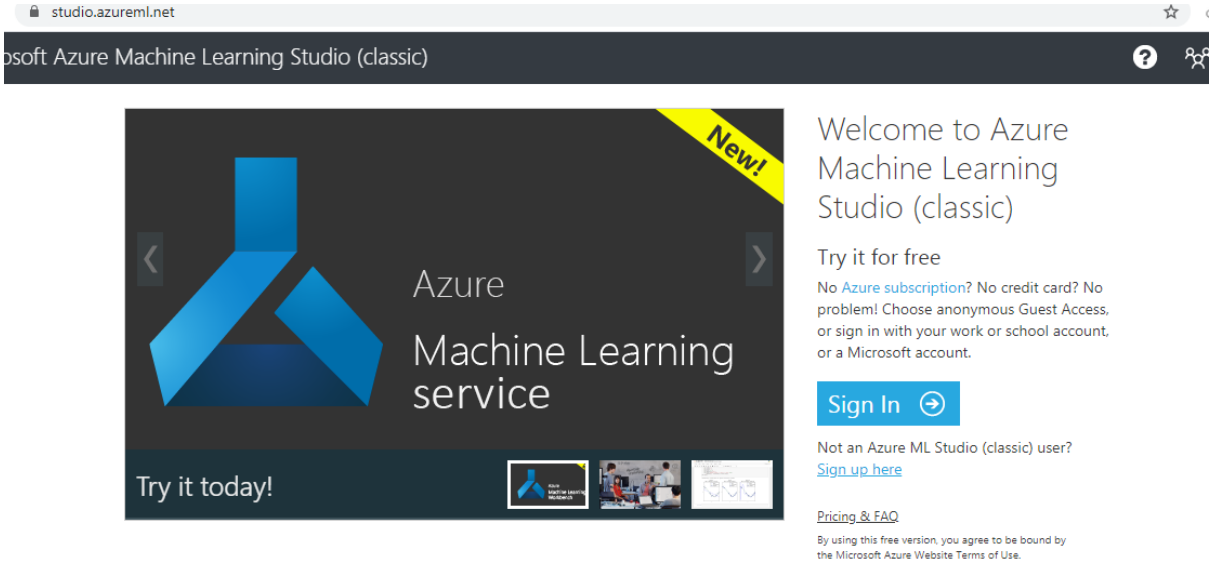
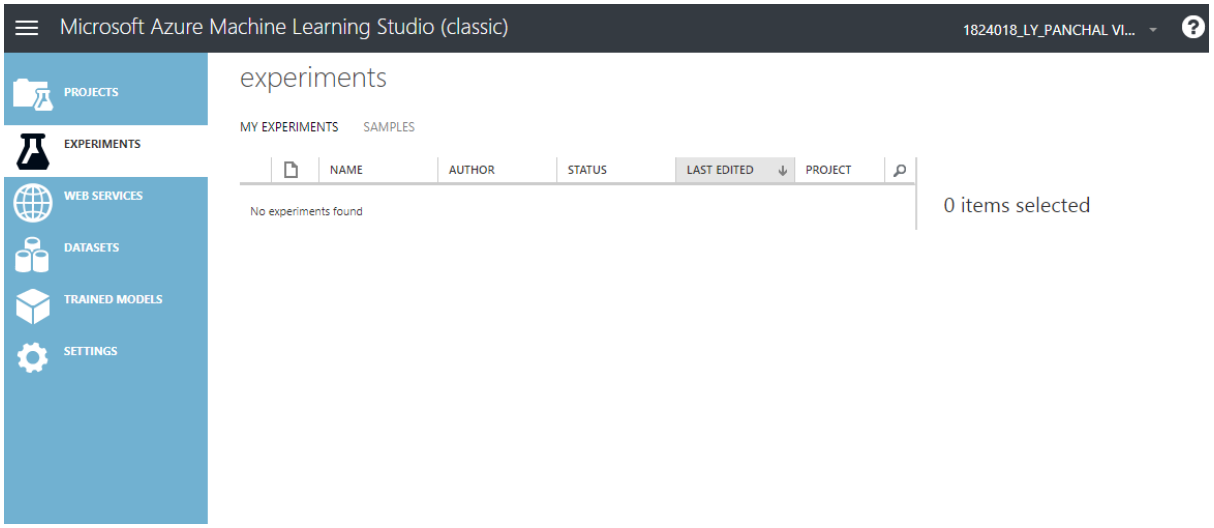
This experiment demonstrates the use of the Matchbox recommender modules to train a movie recommender engine

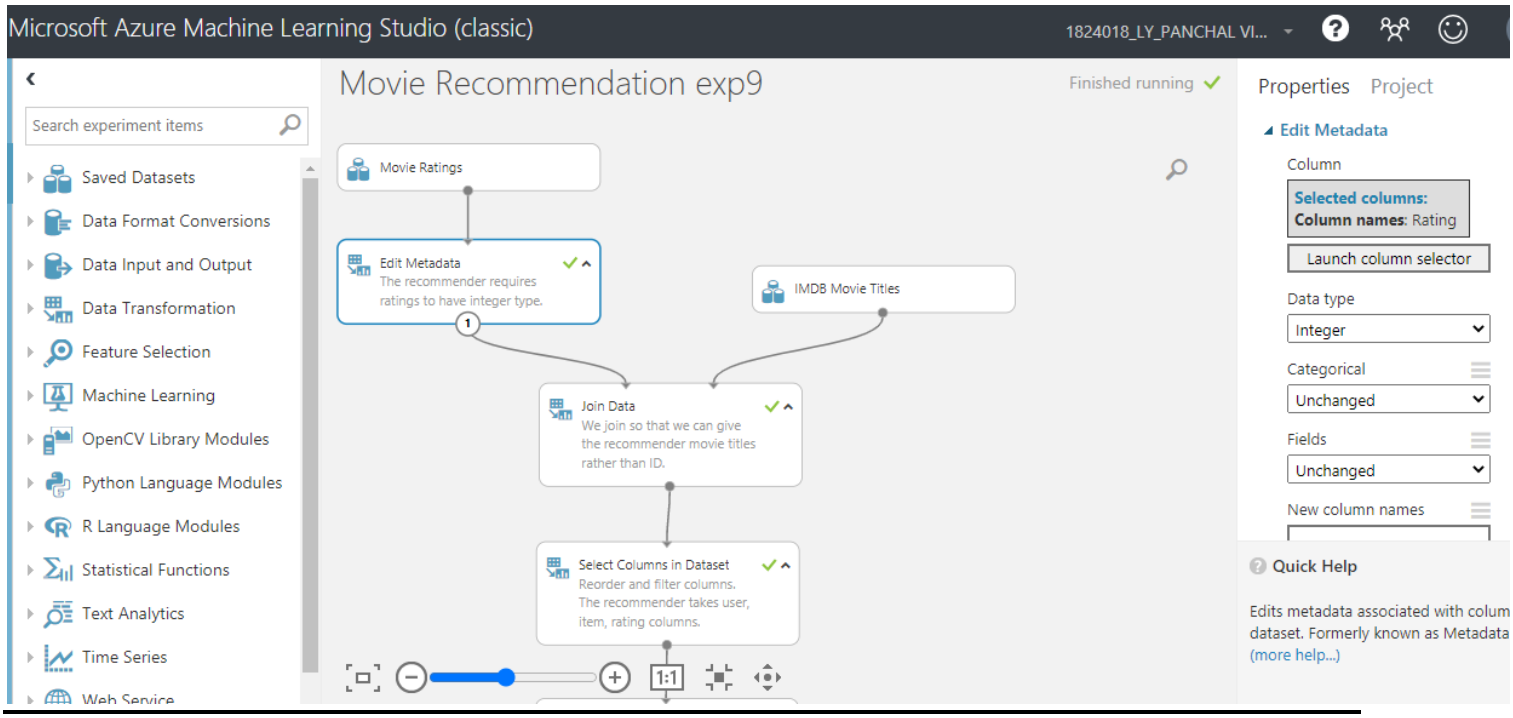


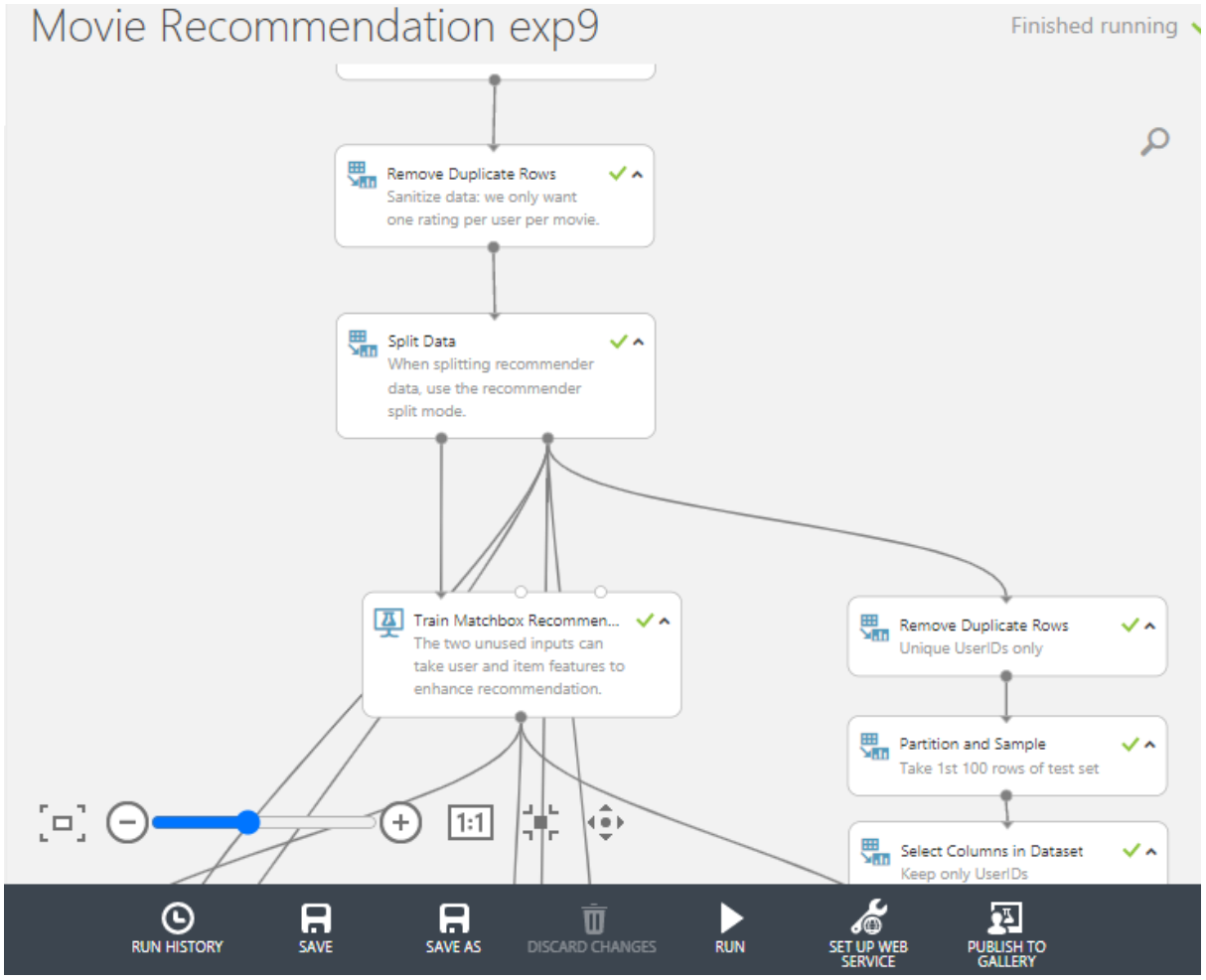
Create new Experiment

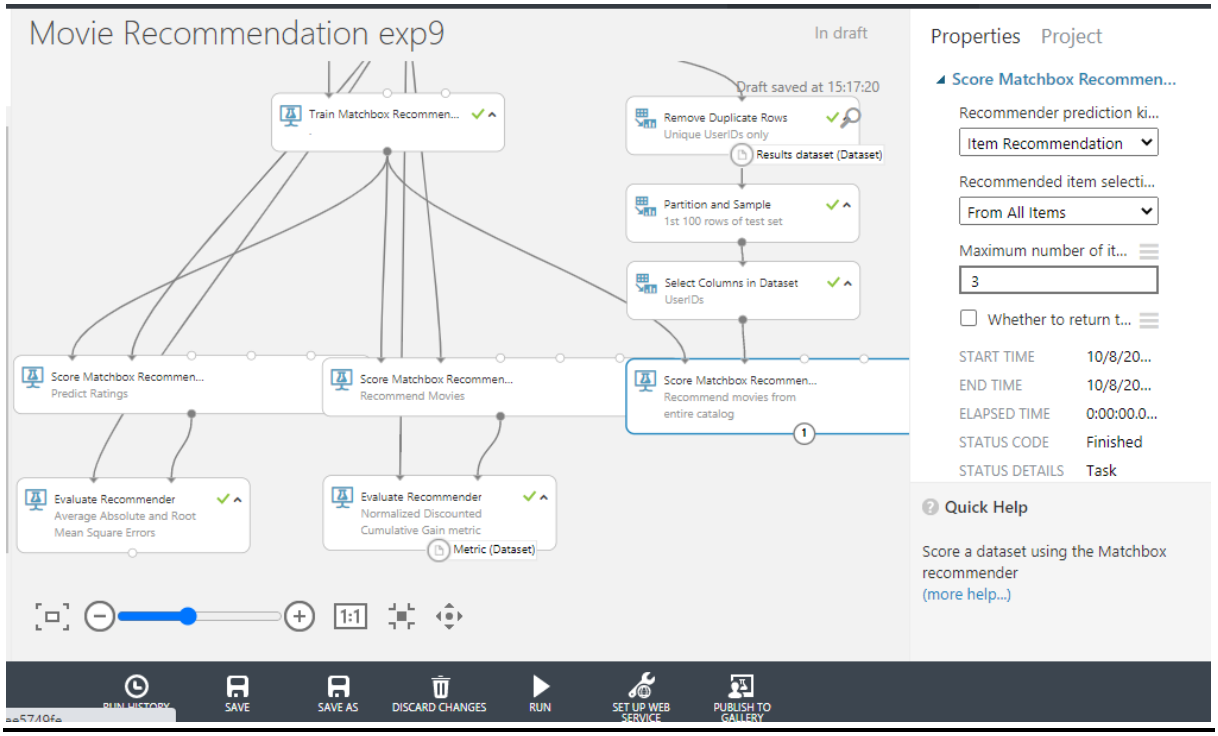


MY EXPERIMENTS SAMPLES

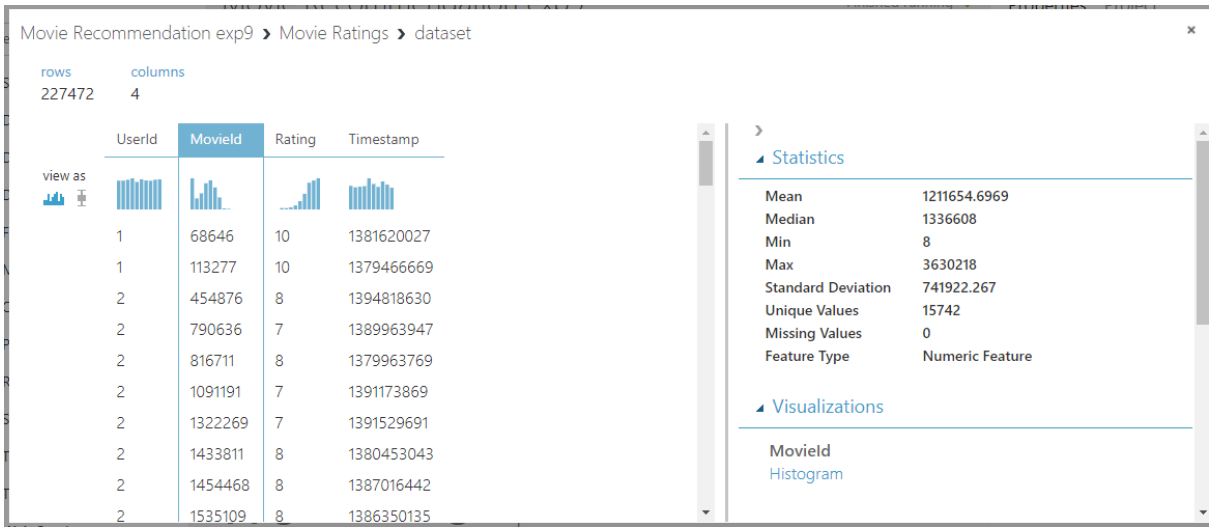
	NAME	AUTHOR	STATUS	LAST EDITED	PROJECT
☐	Movie Recommen...	vidhi.dp	Finished	10/8/2020 3:49:25 P...	*None*

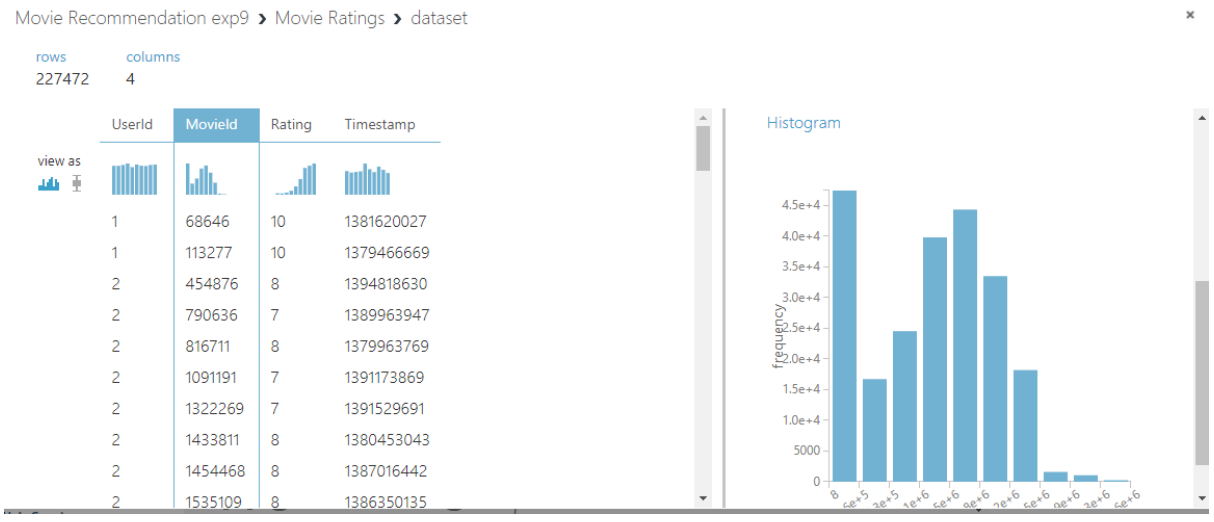



Movie Recommendation exp9
Finished running
Remove Duplicate Rows
Sanitize data: we only want one rating per user per movie.
Split Data
When splitting recommender data, use the recommender split mode.
Train Matchbox Recommen...
The two unused inputs can take user and item features to enhance recommendation.
Remove Duplicate Rows
Unique UserIDs only
Partition and Sample
Take 1st 100 rows of test set
Select Columns in Dataset
Keep only UserIDs
1:1
RUN HISTORY
SAVE
SAVE AS
DISCARD CHANGES
RUN
SET UP WEB SERVICE
PUBLISH TO GALLERY

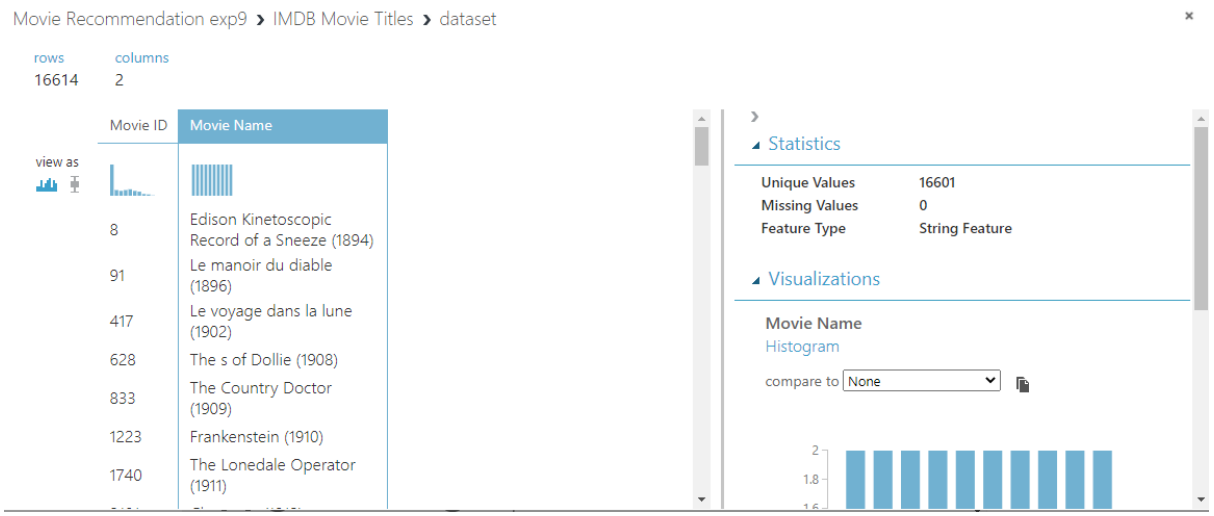

Movie Recommendation exp9
In draft
Draft saved at 15:17:20
Train Matchbox Recommen...
Remove Duplicate Rows
Unique UserIDs only
Results dataset (Dataset)
Partition and Sample
1st 100 rows of test set
Select Columns in Dataset
UserIDs
Score Matchbox Recommen...
Predict Ratings
Score Matchbox Recommen...
Recommend Movies
Score Matchbox Recommen...
Recommend movies from entire catalog
Evaluate Recommender
Average Absolute and Root Mean Square Errors
Evaluate Recommender
Normalized Discounted Cumulative Gain metric
Metric (Dataset)
1:1
Properties
Project
Score Matchbox Recommen...
Recommender prediction ki...
Item Recommendation
Recommended item selecti...
From All Items
Maximum number of it...
3
Whether to return t...
START TIME 10/8/20...
END TIME 10/8/20...
ELAPSED TIME 0:00:00.0...
STATUS CODE Finished
STATUS DETAILS Task
Quick Help
Score a dataset using the Matchbox recommender
(more help...)
SAVE
SAVE AS
DISCARD CHANGES
RUN
SET UP WEB SERVICE
PUBLISH TO GALLERY

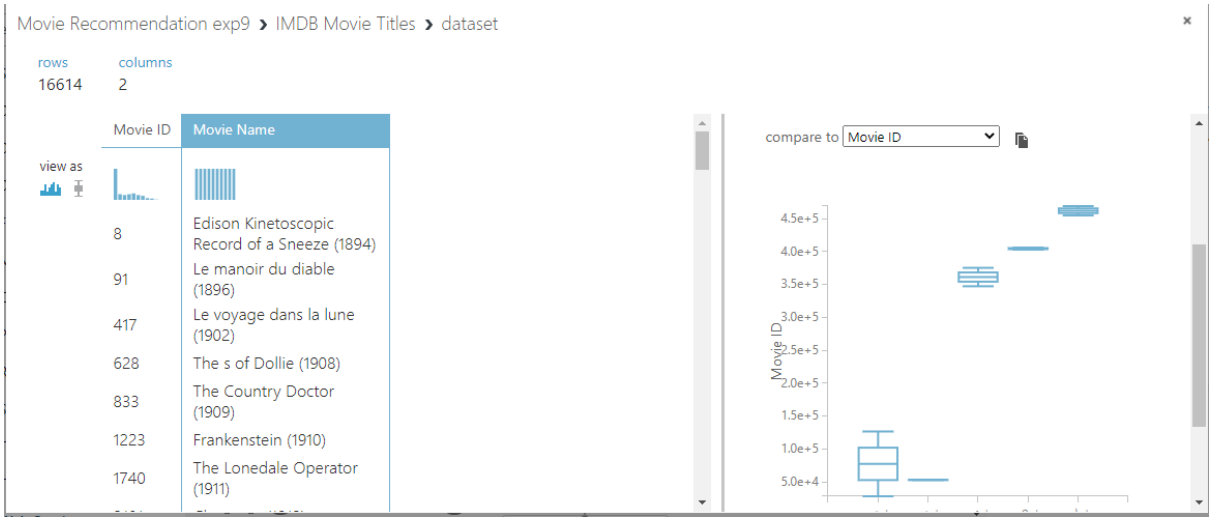
Movie rating dataset



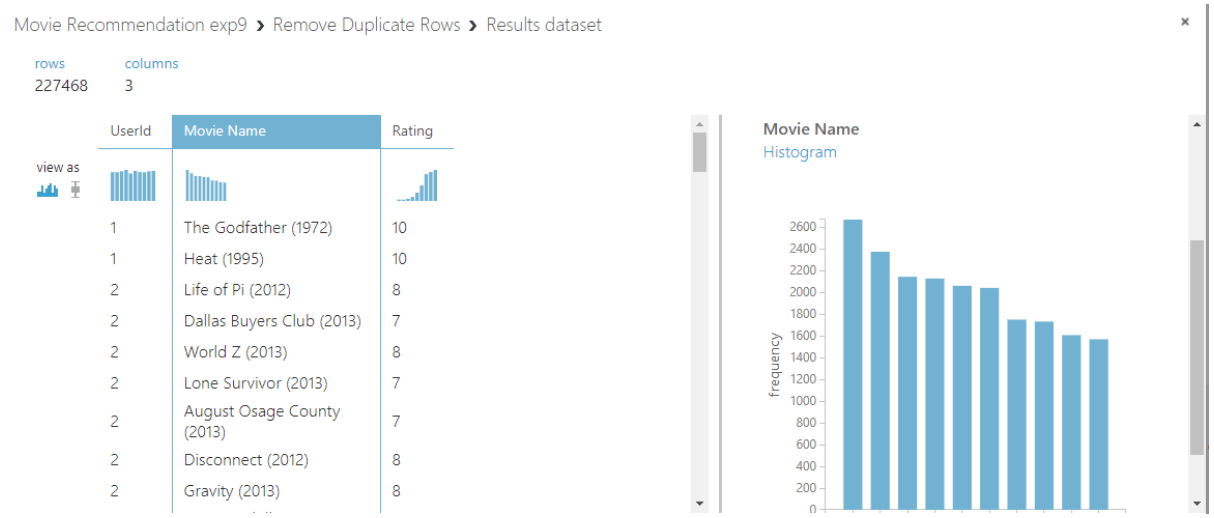


IMDB movie title

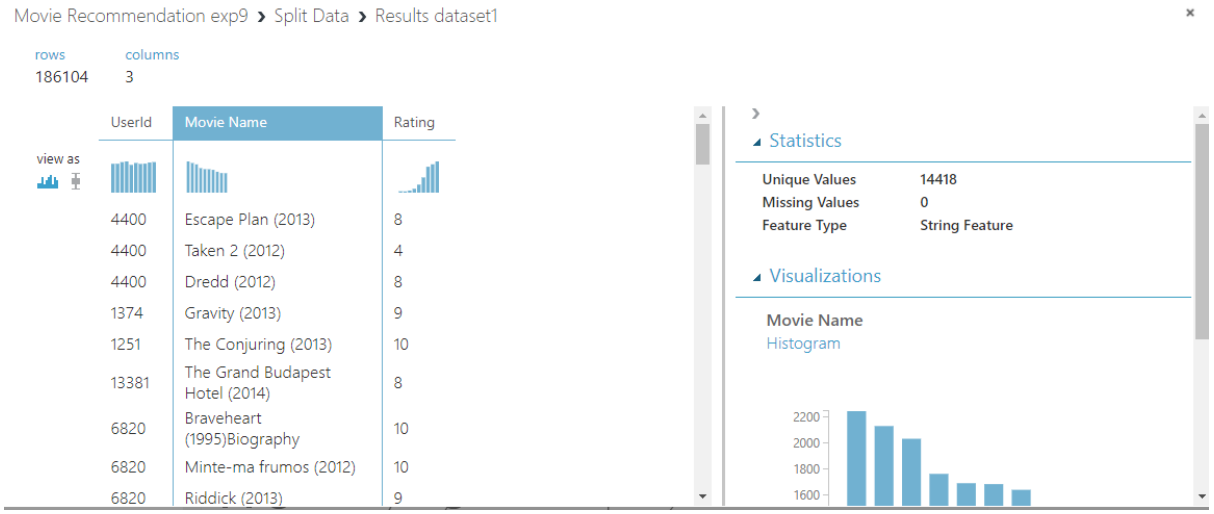


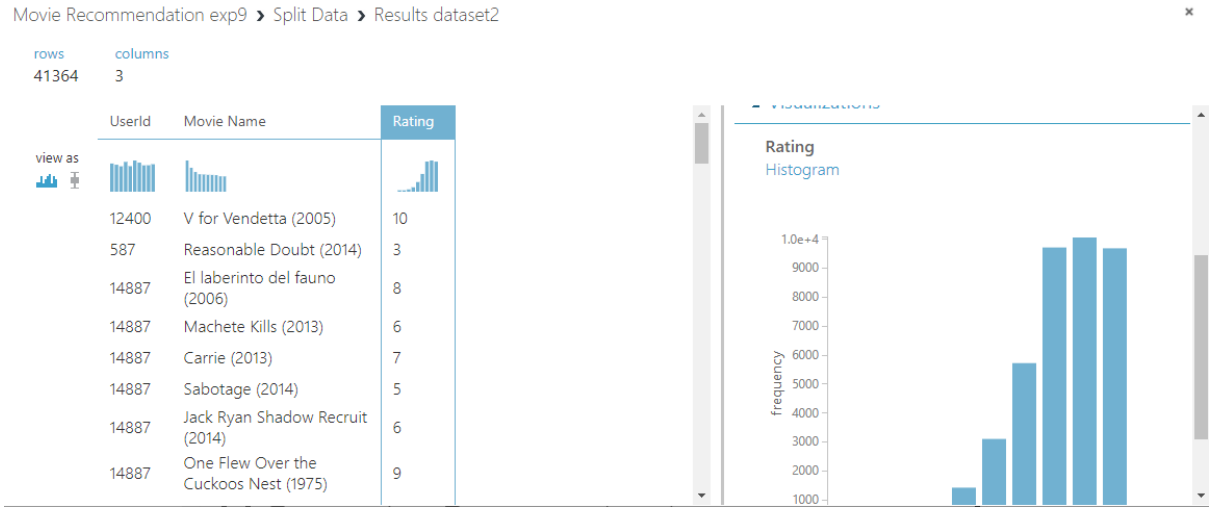


Removing duplicate rows

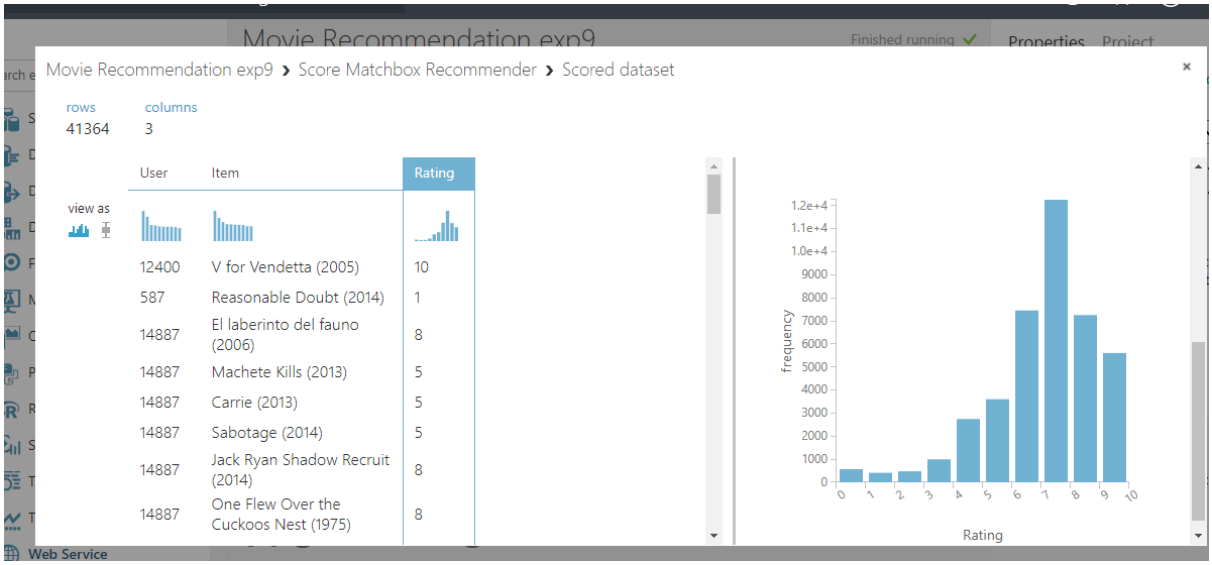


Split data in 2 datasets

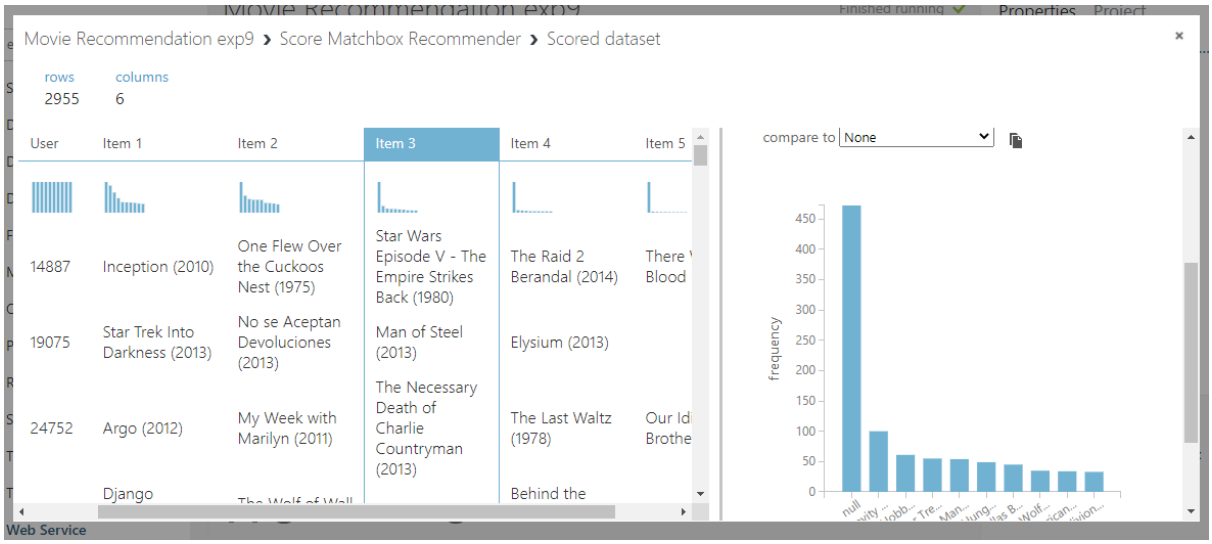




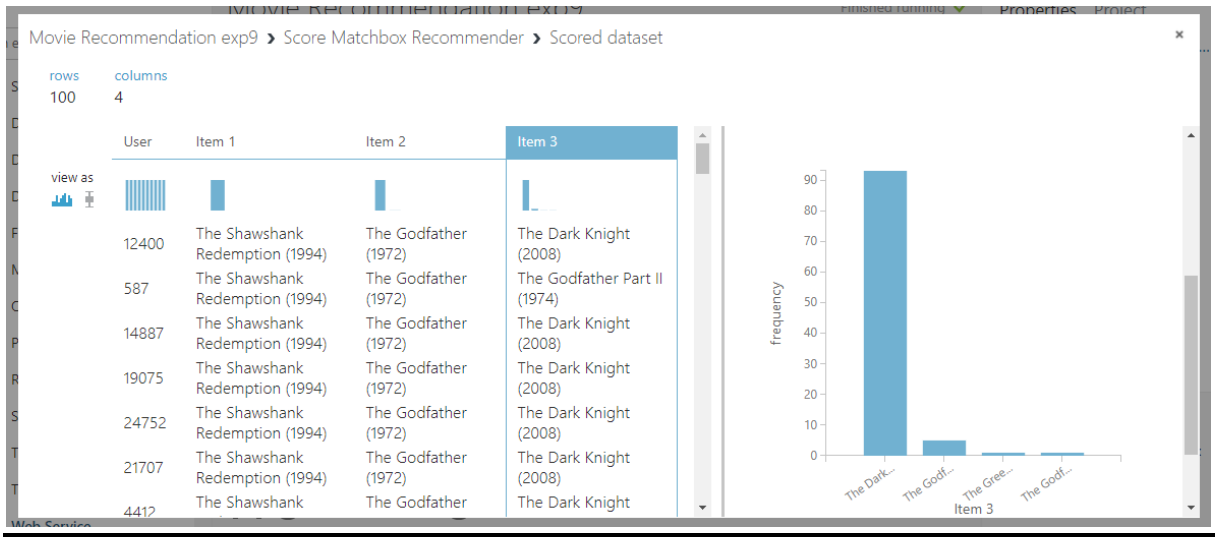
Score Matchbox recommendation (Predicted Ratings)



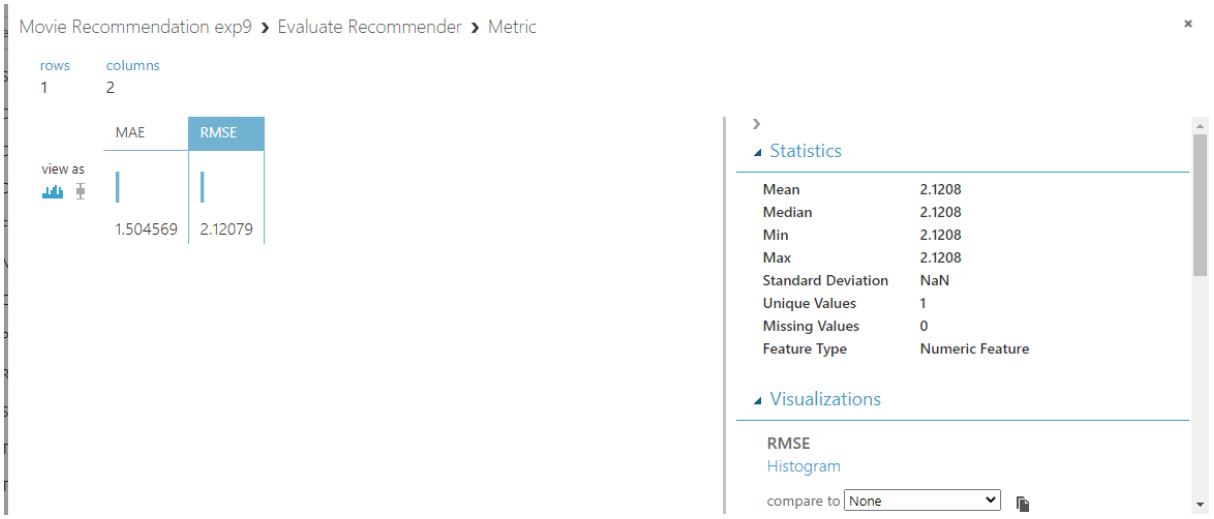
Score Matchbox recommendation (Recommended Movies)

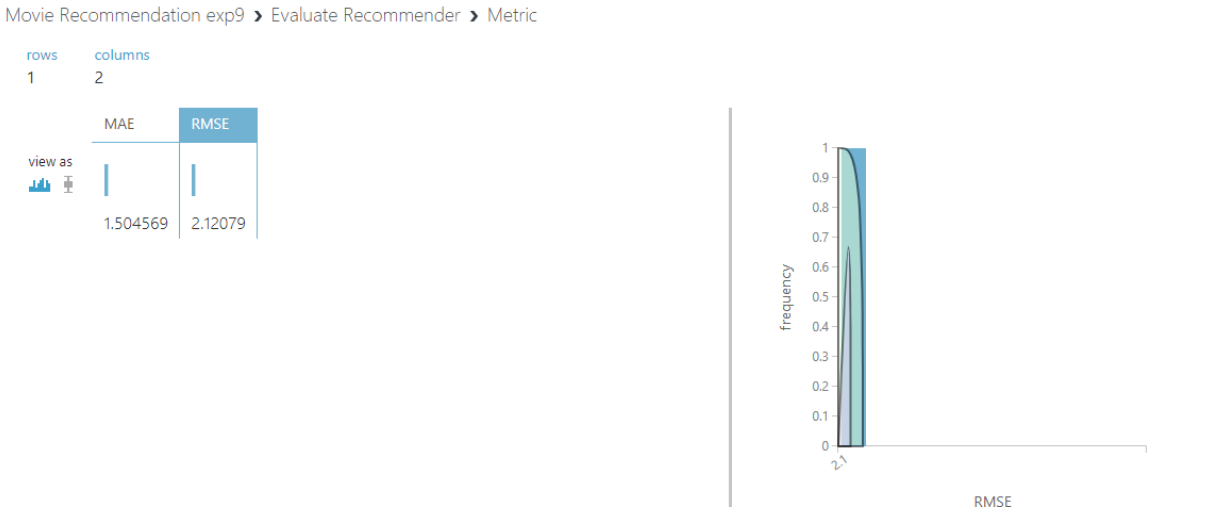


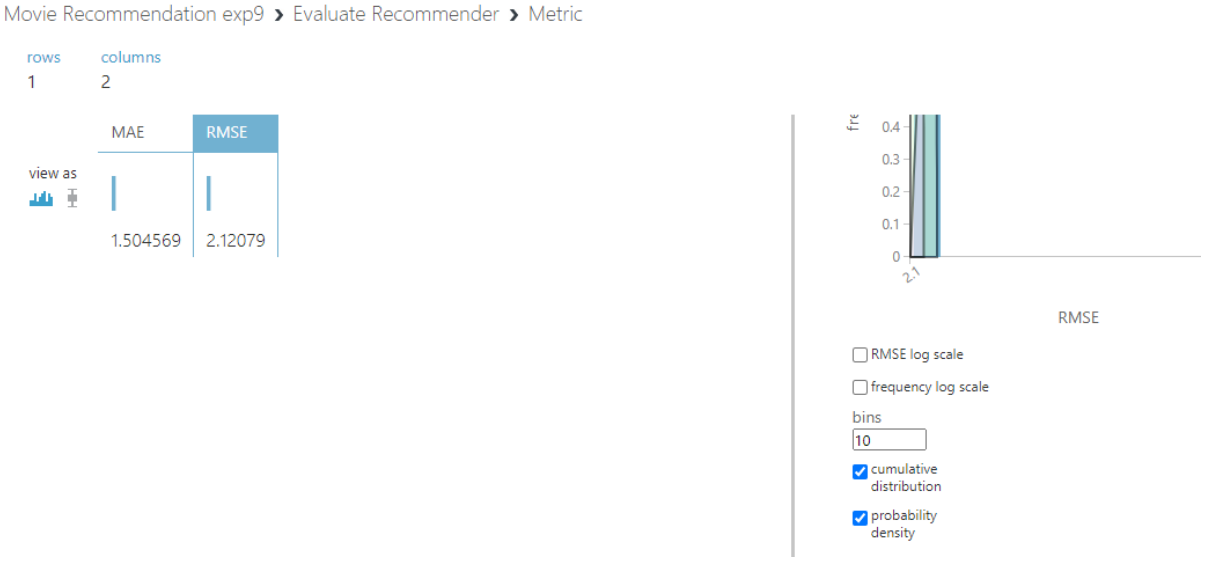
Score Matchbox recommendation (Recommended Movies from entire catalog)



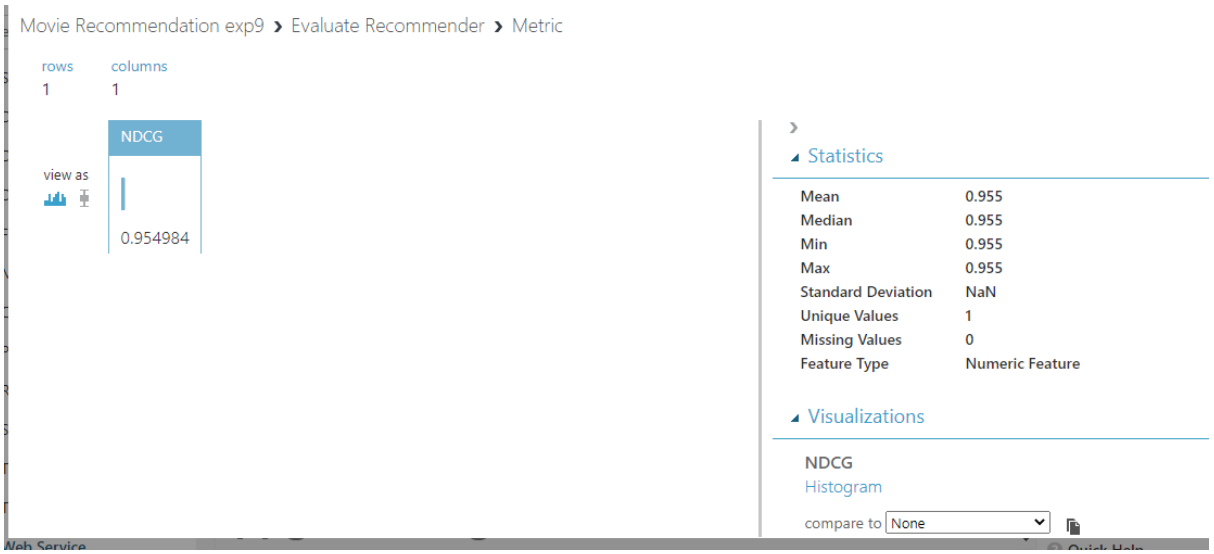
Evaluate Recommender (Average Absolute and Root Mean Square Errors)

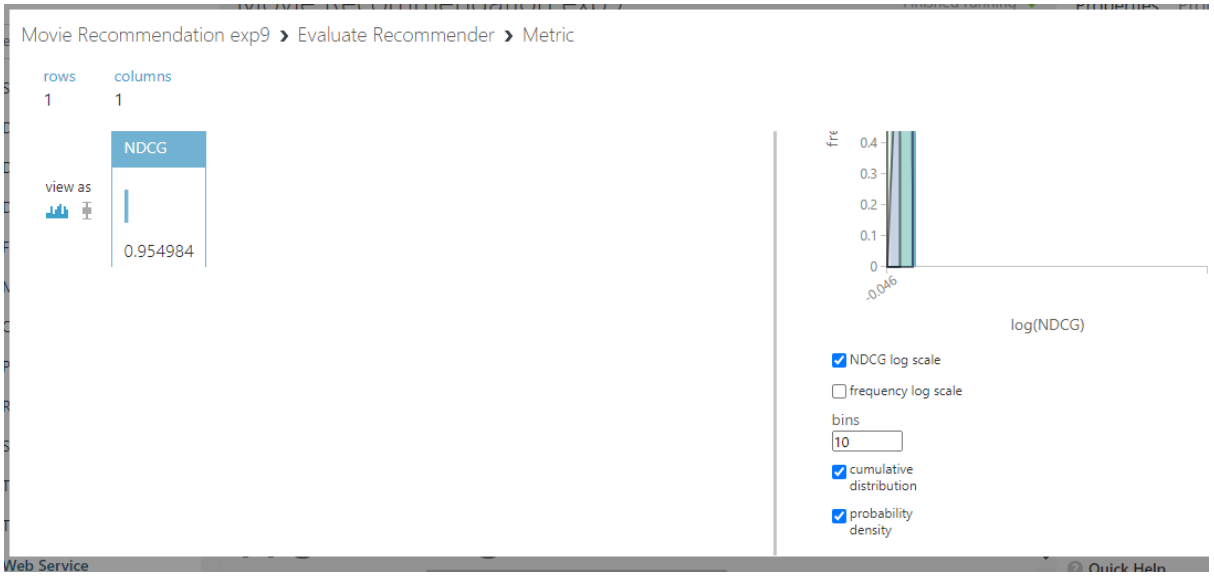






Evaluate Recommender (Normalized Discounted Cumulative Gain metric)




Movie Recommendation exp9 › Evaluate Recommender › Metric
rows
1
columns
1
NDCG
view as
0.954984
0.4
0.3
0.2
0.1
0
-0.046
log(NDCG)
NDCG log scale
frequency log scale
bins
10
cumulative distribution
probability density
Web Service
Quick Help