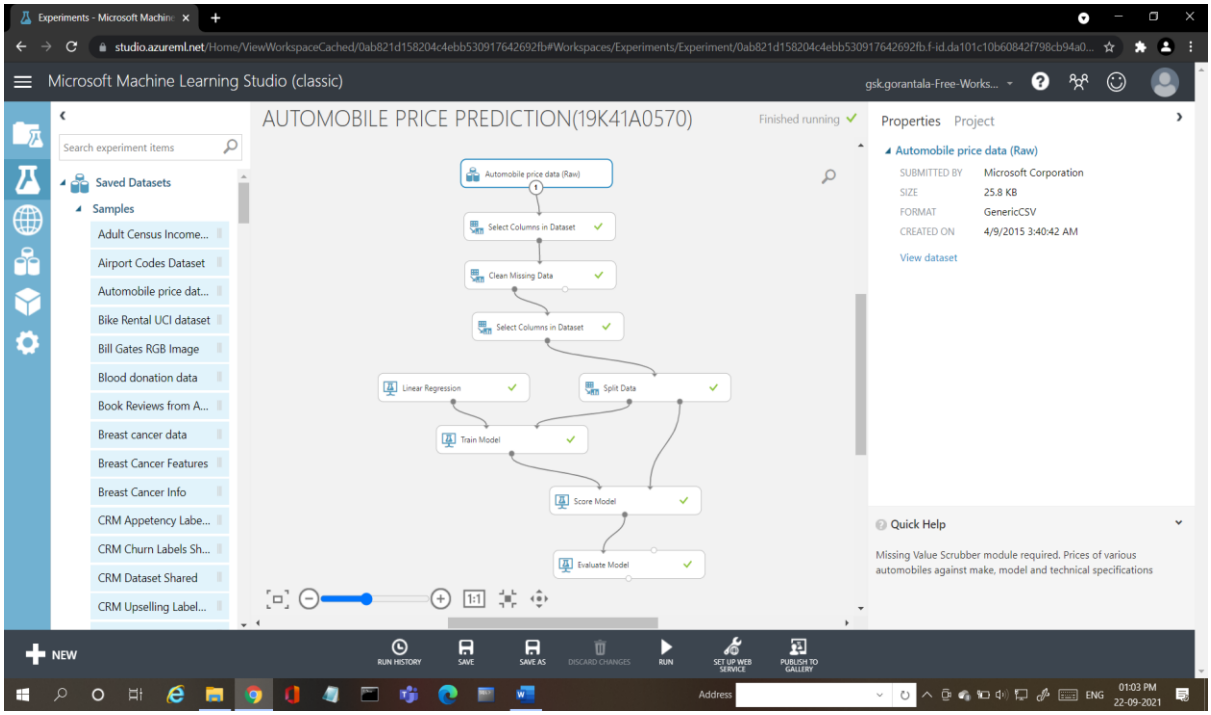
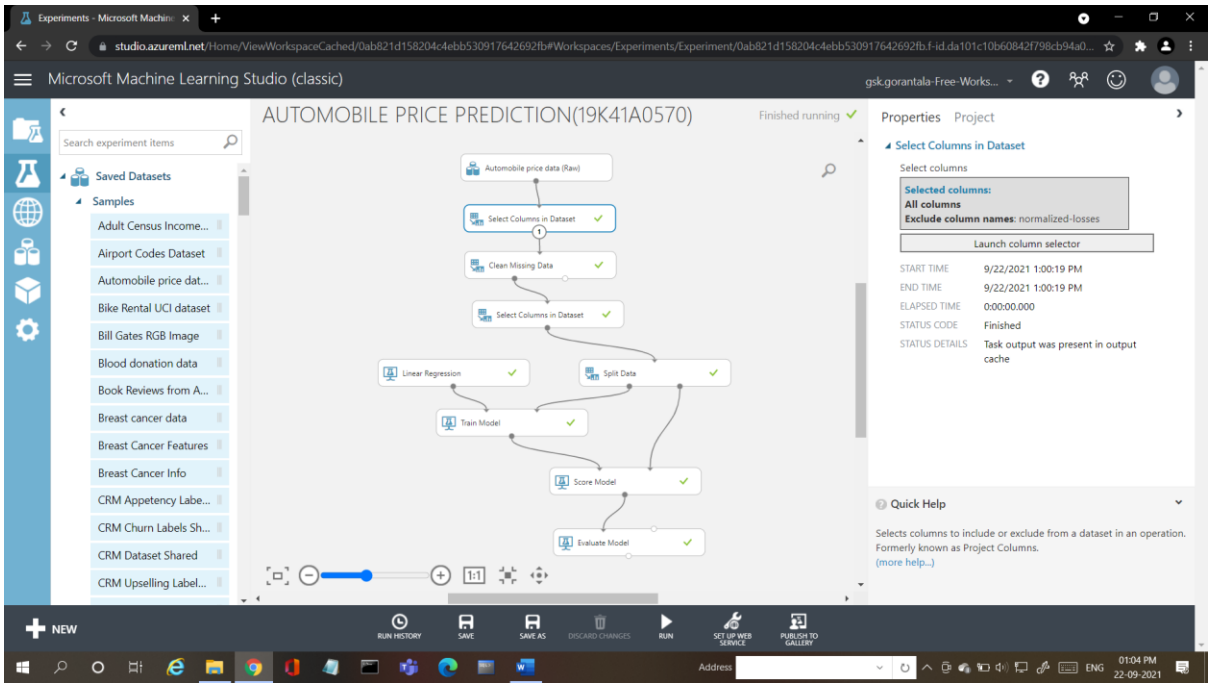
AI ASSIGNMENT (19K41A0570)

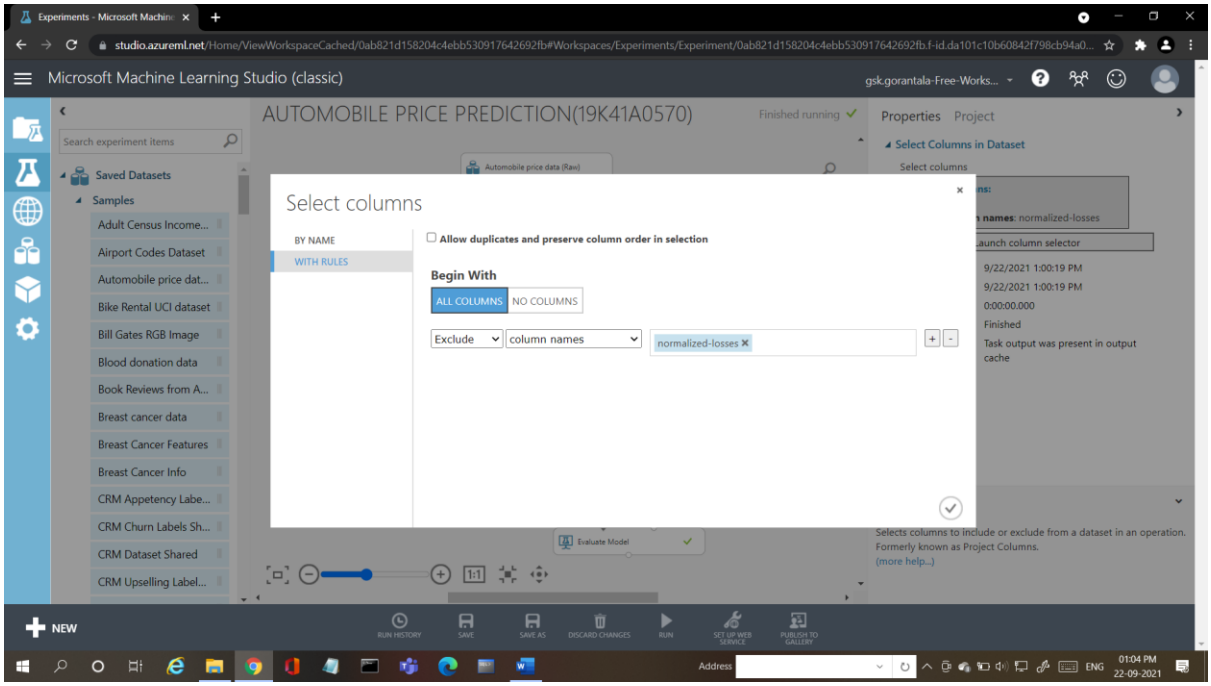
MACHINE LEARNING PROJECT WORKFLOW:-

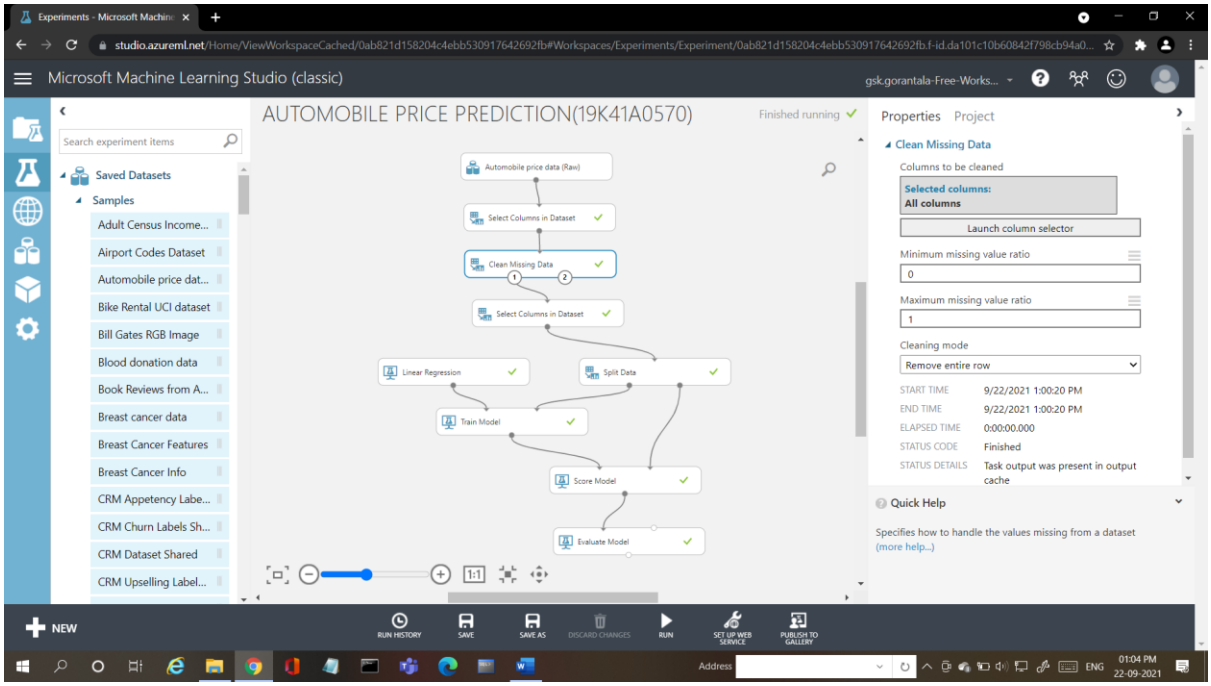
WORKFLOW:-

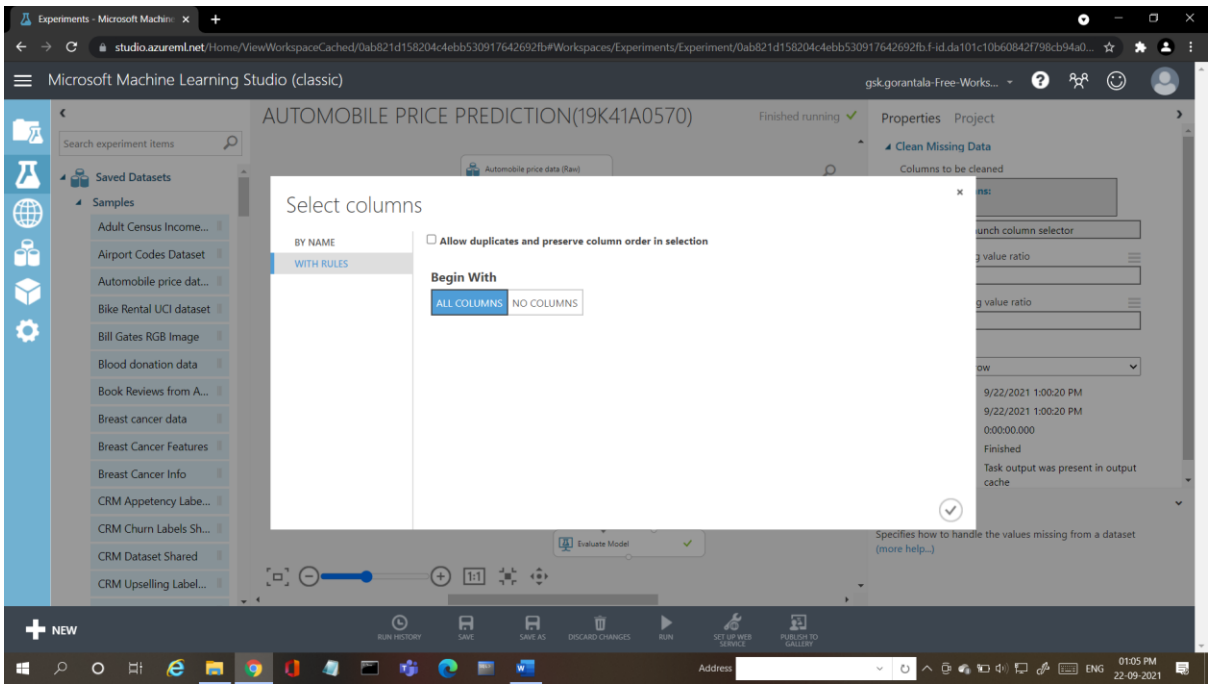


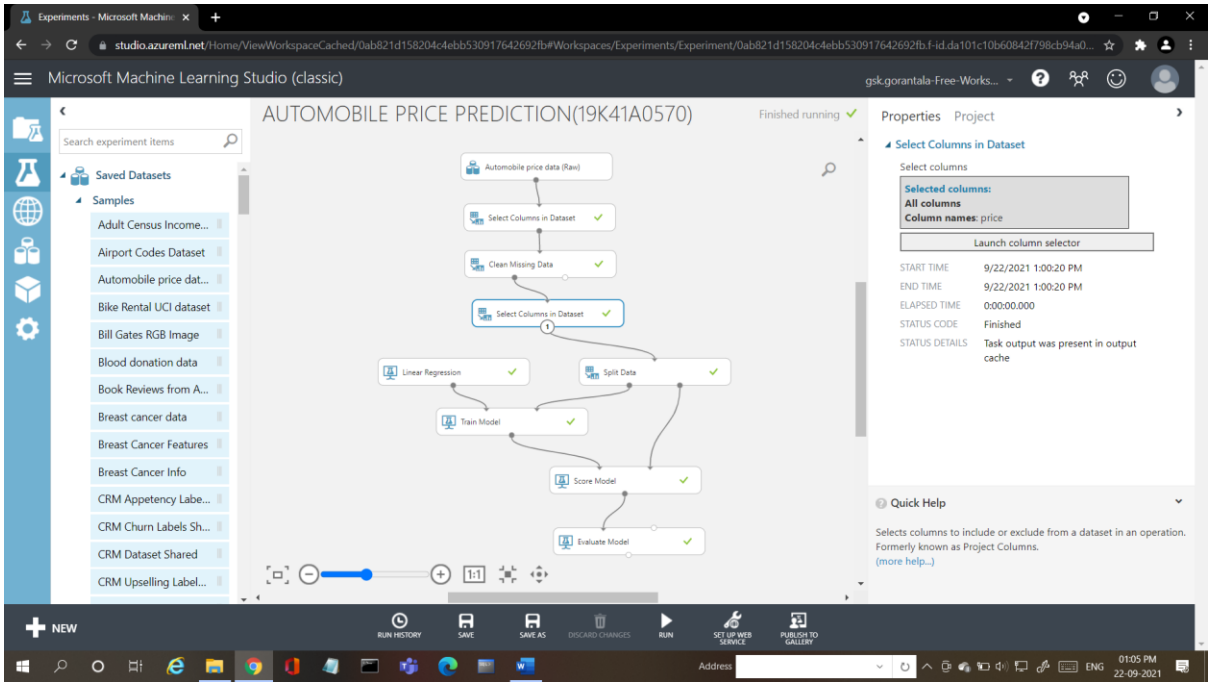
EXPLORE DATA:-

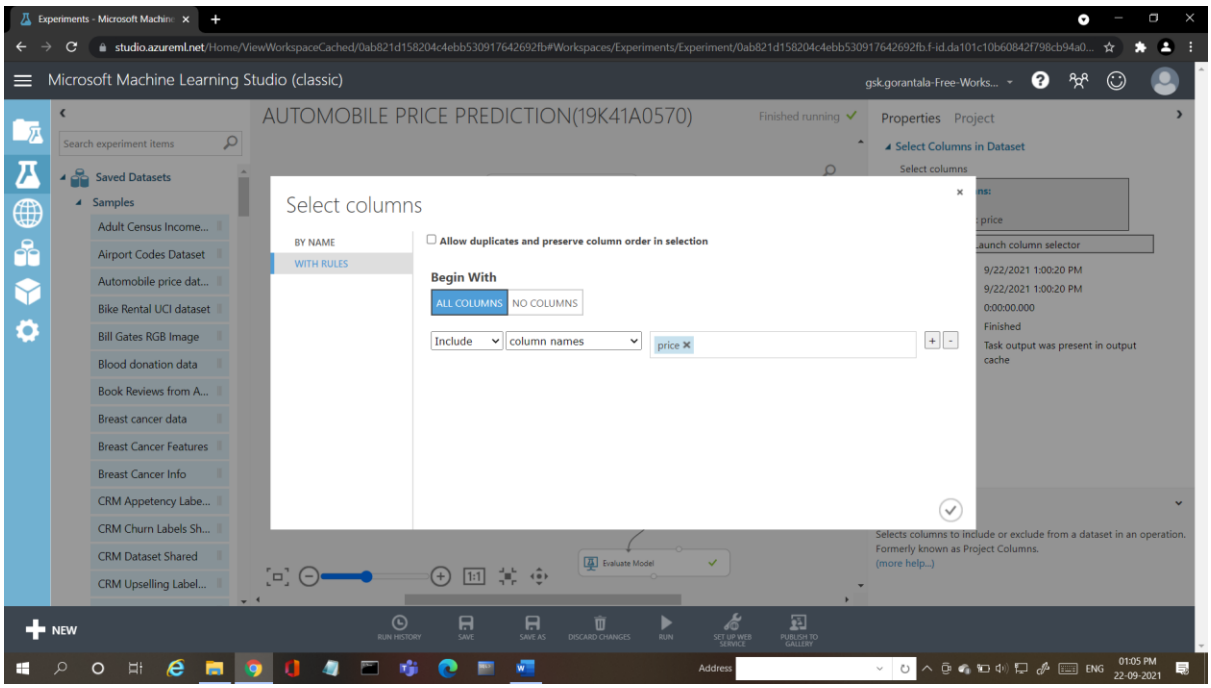




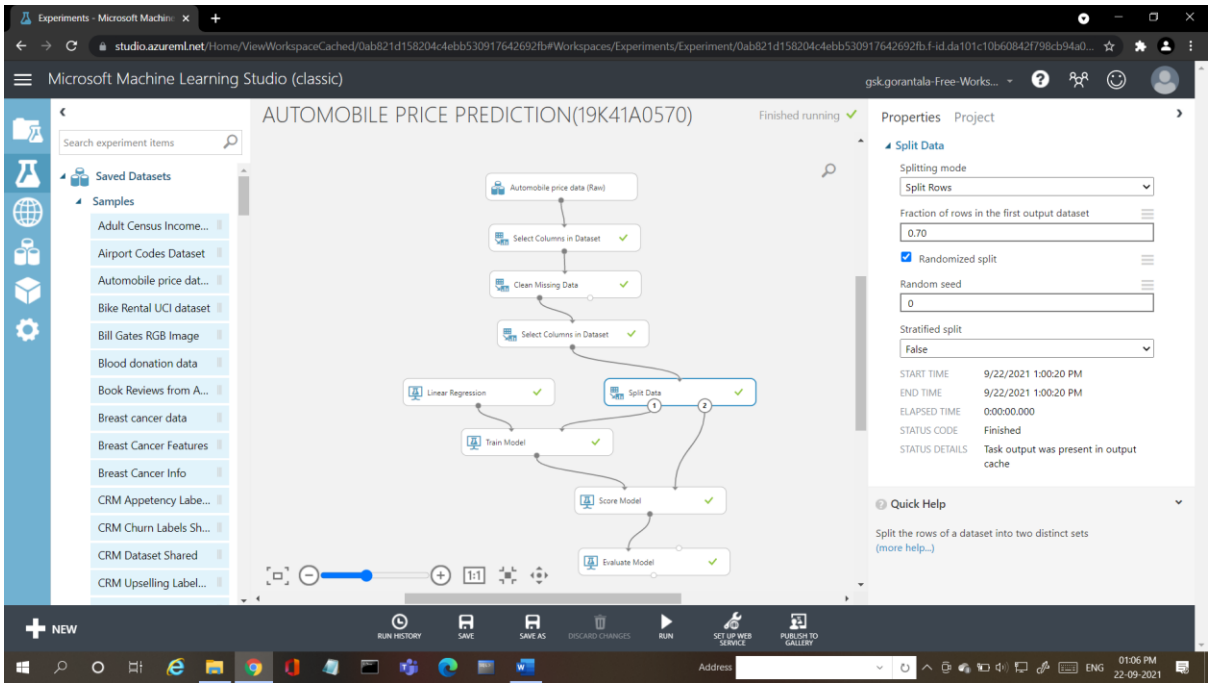

Microsoft Machine Learning Studio (classic)
AUTOMOBILE PRICE PREDICTION(19K41A0570)
Finished running
Properties
Project
Clean Missing Data
Columns to be cleaned
Selected columns:
All columns
Launch column selector
Minimum missing value ratio
0
Maximum missing value ratio
1
Cleaning mode
Remove entire row
START TIME 9/22/2021 1:00:20 PM
END TIME 9/22/2021 1:00:20 PM
ELAPSED TIME 0:00:00.000
STATUS CODE Finished
STATUS DETAILS Task output was present in output cache
Quick Help
Specifies how to handle the values missing from a dataset
(more help...)
Saved Datasets
Samples
Adult Census Income...
Airport Codes Dataset
Automobile price dat...
Bike Rental UCI dataset
Bill Gates RGB Image
Blood donation data
Book Reviews from A...
Breast cancer data
Breast Cancer Features
Breast Cancer Info
CRM Appetency Labe...
CRM Churn Labels Sh...
CRM Dataset Shared
CRM Upselling Label...
Automobile price data (Raw)
Select Columns in Dataset
Clean Missing Data
Select Columns in Dataset
Linear Regression
Split Data
Train Model
Score Model
Evaluate Model
NEW
RUN HISTORY
SAVE
SAVE AS
DISCARD CHANGES
RUN
SET UP WEB SERVICE
PUBLISH TO GALLERY


Microsoft Machine Learning Studio (classic)
AUTOMOBILE PRICE PREDICTION(19K41A0570)
Finished running
Properties
Project
Clean Missing Data
Select columns
BY NAME
WITH RULES
Allow duplicates and preserve column order in selection
Begin With
ALL COLUMNS
NO COLUMNS
Saved Datasets
Samples
Adult Census Income...
Airport Codes Dataset
Automobile price dat...
Bike Rental UCI dataset
Bill Gates RGB Image
Blood donation data
Book Reviews from A...
Breast cancer data
Breast Cancer Features
Breast Cancer Info
CRM Appetency Labe...
CRM Churn Labels Sh...
CRM Dataset Shared
CRM Upselling Label...
Evaluate Model
NEW

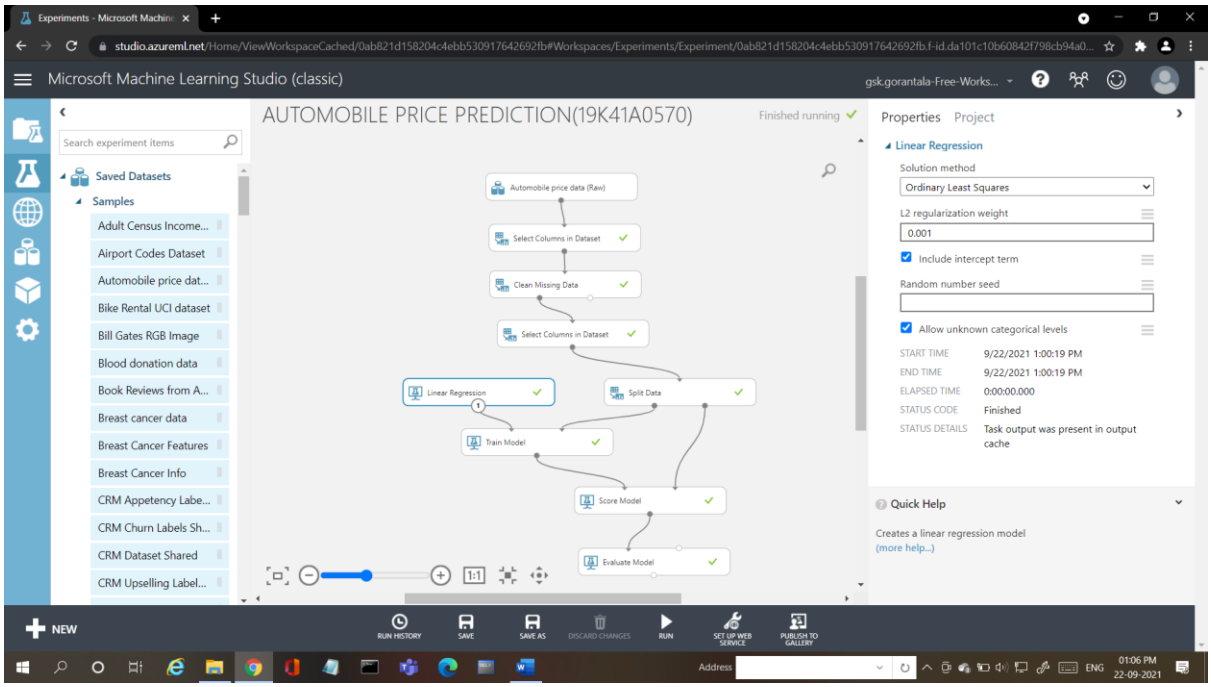

Microsoft Machine Learning Studio (classic)
AUTOMOBILE PRICE PREDICTION(19K41A0570)
Finished running
Properties
Project
Select Columns in Dataset
Select columns
Selected columns:
All columns
Column names: price
Launch column selector
START TIME 9/22/2021 1:00:20 PM
END TIME 9/22/2021 1:00:20 PM
ELAPSED TIME 0:00:00.000
STATUS CODE Finished
STATUS DETAILS Task output was present in output cache
Quick Help
Selects columns to include or exclude from a dataset in an operation.
Formerly known as Project Columns.
(more help...)
Saved Datasets
Samples
Adult Census Income...
Airport Codes Dataset
Automobile price dat...
Bike Rental UCI dataset
Bill Gates RGB Image
Blood donation data
Book Reviews from A...
Breast cancer data
Breast Cancer Features
Breast Cancer Info
CRM Appetency Labe...
CRM Churn Labels Sh...
CRM Dataset Shared
CRM Upselling Label...
Automobile price data (Raw)
Select Columns in Dataset
Clean Missing Data
Select Columns in Dataset
Linear Regression
Split Data
Train Model
Score Model
Evaluate Model
NEW
RUN HISTORY
SAVE
SAVE AS
DISCARD CHANGES
RUN
SET UP WEB SERVICE
PUBLISH TO GALLERY


Microsoft Machine Learning Studio (classic)
AUTOMOBILE PRICE PREDICTION(19K41A0570)
Finished running
Properties
Project
Select Columns in Dataset
Select columns
Launch column selector
Quick Help
Selects columns to include or exclude from a dataset in an operation.
Formerly known as Project Columns.
(more help...)
Select columns
BY NAME
WITH RULES
Allow duplicates and preserve column order in selection
Begin With
ALL COLUMNS
NO COLUMNS
Include
column names
price
Saved Datasets
Samples
Adult Census Income...
Airport Codes Dataset
Automobile price dat...
Bike Rental UCI dataset
Bill Gates RGB Image
Blood donation data
Book Reviews from A...
Breast cancer data
Breast Cancer Features
Breast Cancer Info
CRM Appetency Labe...
CRM Churn Labels Sh...
CRM Dataset Shared
CRM Upselling Label...
Evaluate Model
NEW

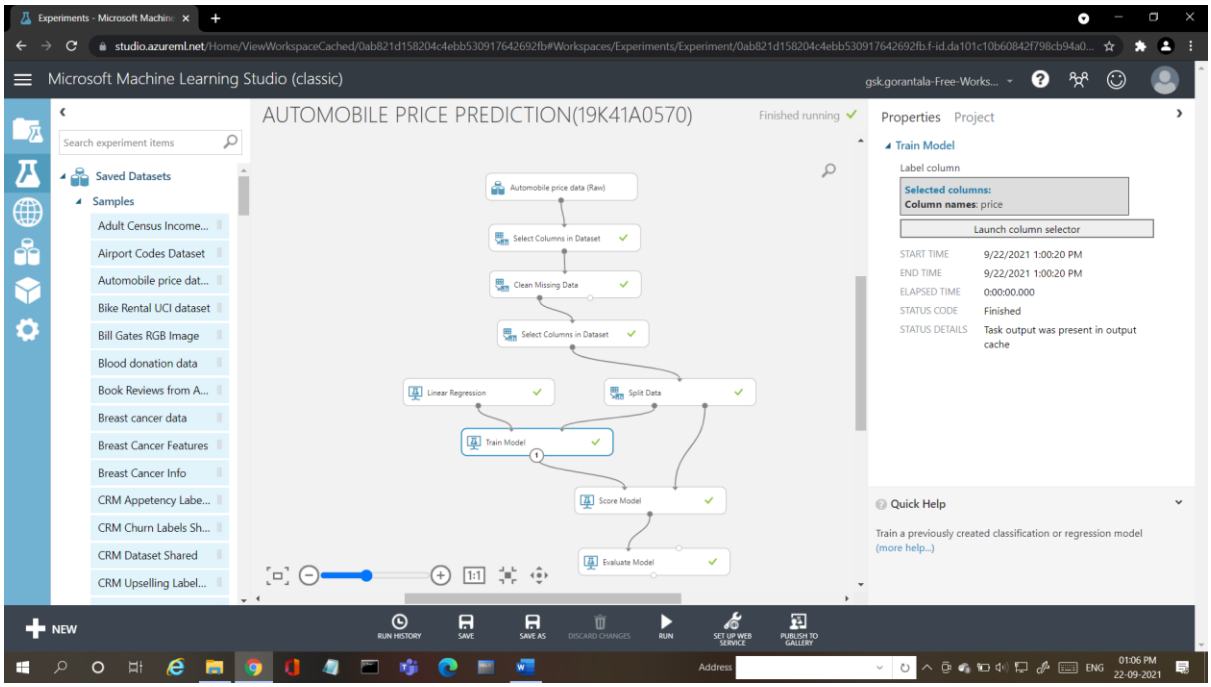
SPLIT DATA:-

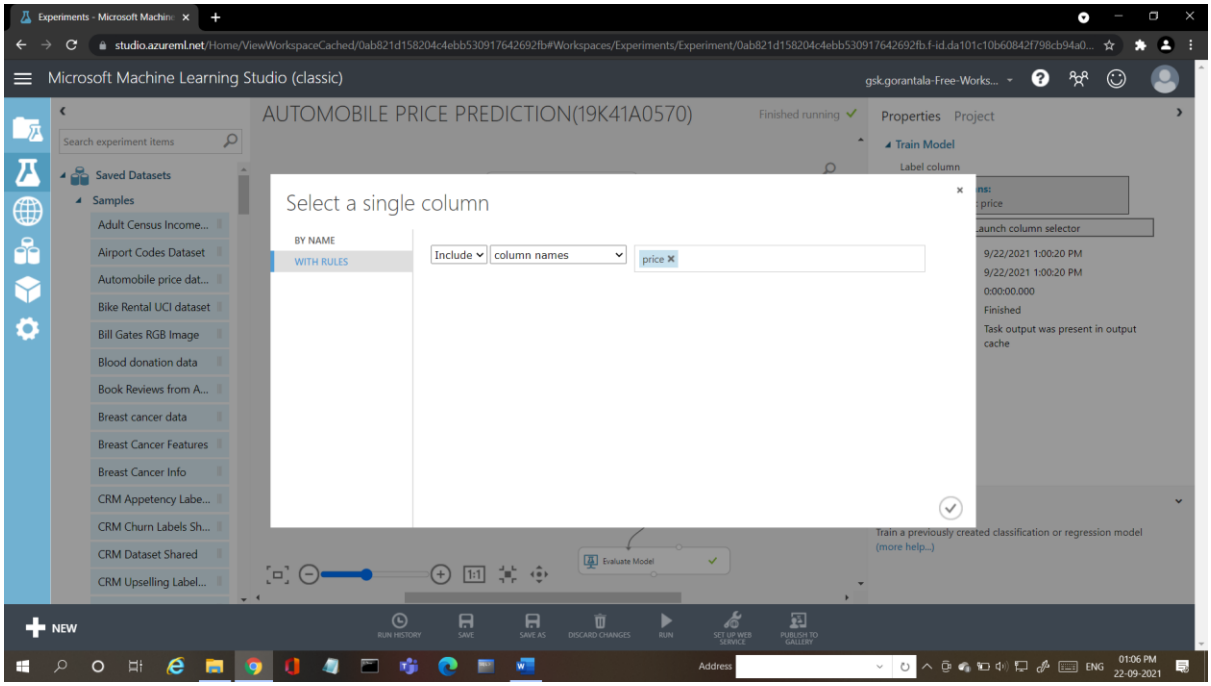

Microsoft Machine Learning Studio (classic)
AUTOMOBILE PRICE PREDICTION(19K41A0570)
Finished running
Properties
Project
Split Data
Splitting mode
Split Rows
Fraction of rows in the first output dataset
0.70
Randomized split
Random seed
0
Stratified split
False
START TIME 9/22/2021 1:00:20 PM
END TIME 9/22/2021 1:00:20 PM
ELAPSED TIME 0:00:00.000
STATUS CODE Finished
STATUS DETAILS Task output was present in output cache
Quick Help
Split the rows of a dataset into two distinct sets
(more help...)
Saved Datasets
Samples
Adult Census Income...
Airport Codes Dataset
Automobile price dat...
Bike Rental UCI dataset
Bill Gates RGB Image
Blood donation data
Book Reviews from A...
Breast cancer data
Breast Cancer Features
Breast Cancer Info
CRM Appetency Labe...
CRM Churn Labels Sh...
CRM Dataset Shared
CRM Upselling Label...
Automobile price data (Raw)
Select Columns in Dataset
Clean Missing Data
Select Columns in Dataset
Linear Regression
Split Data
Train Model
Score Model
Evaluate Model
NEW
RUN HISTORY
SAVE
SAVE AS
DISCARD CHANGES
RUN
SET UP WEB SERVICE
PUBLISH TO GALLERY

USING LINEAR REGRESSION TO TRAIN THE MODEL:-

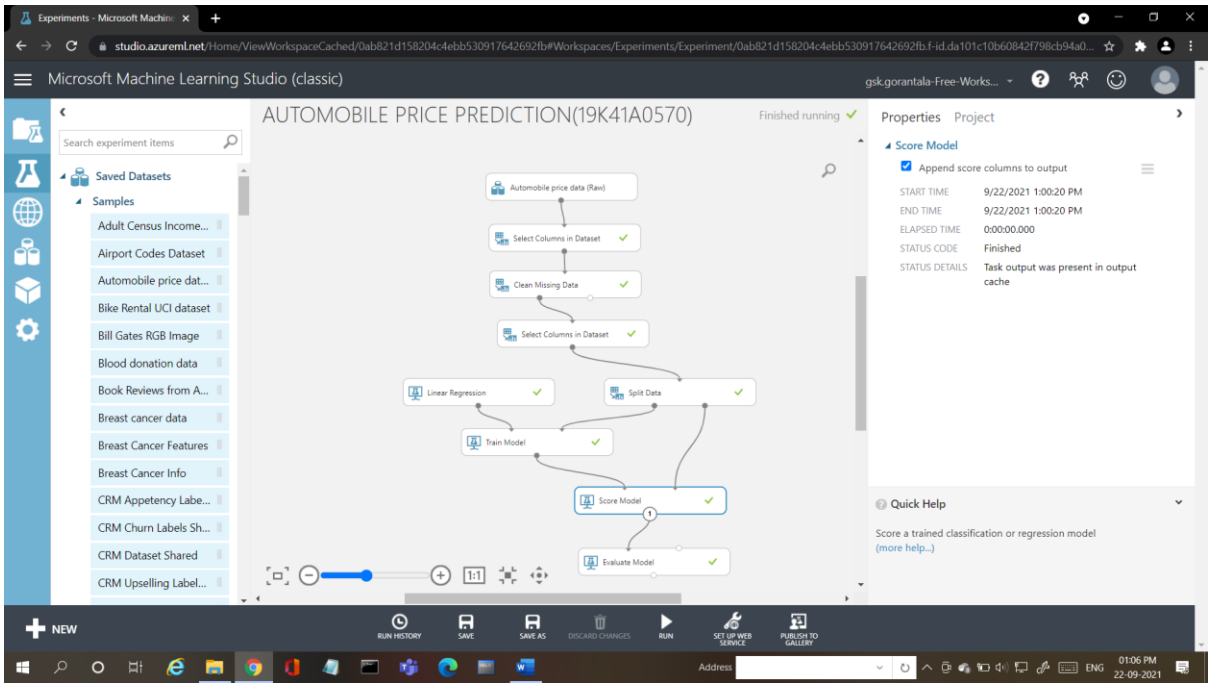


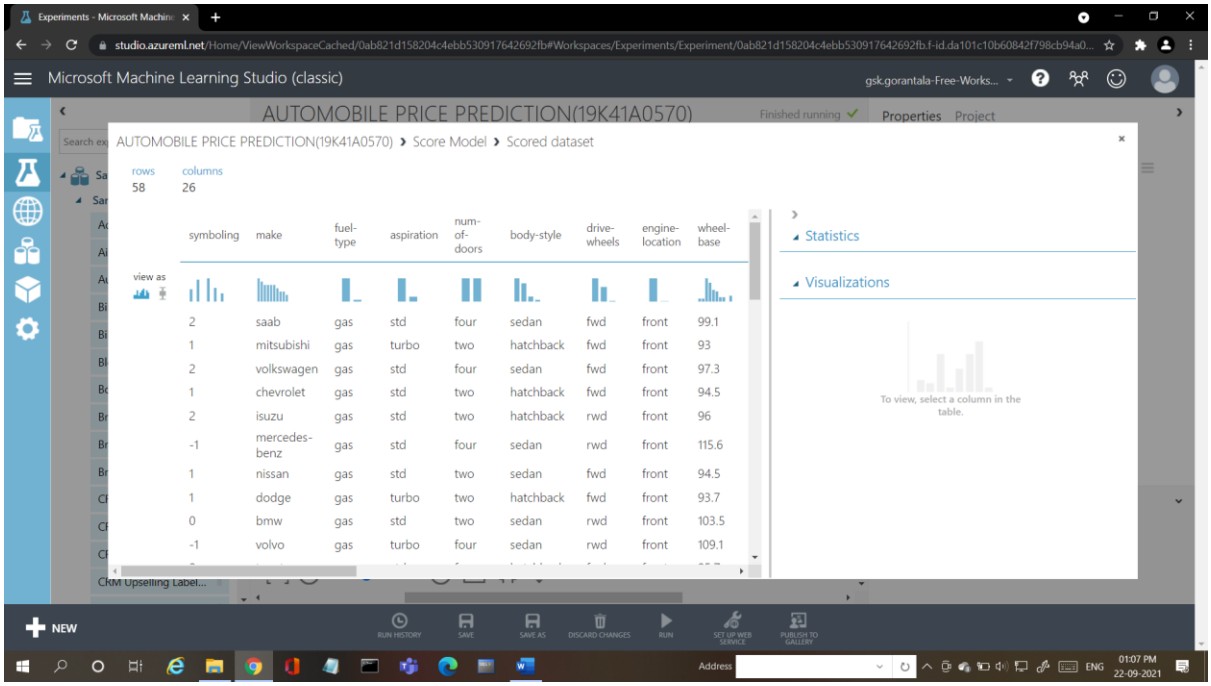
TRAIN MODELLING AND ALGORITHM:-



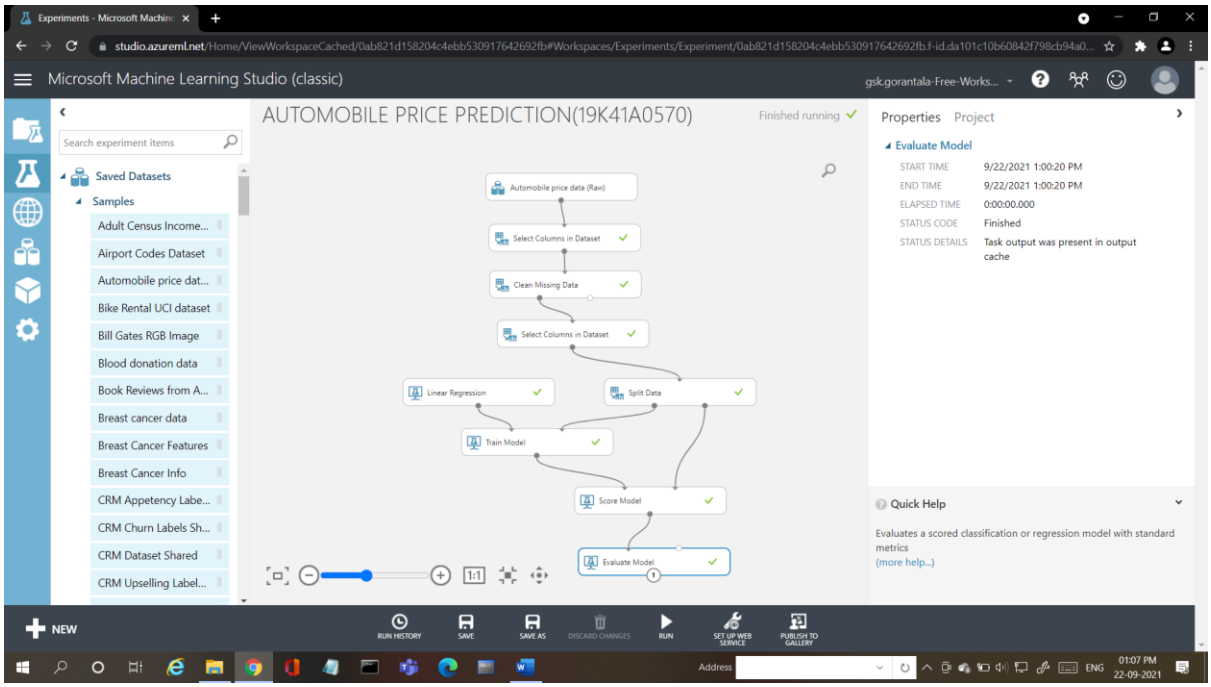


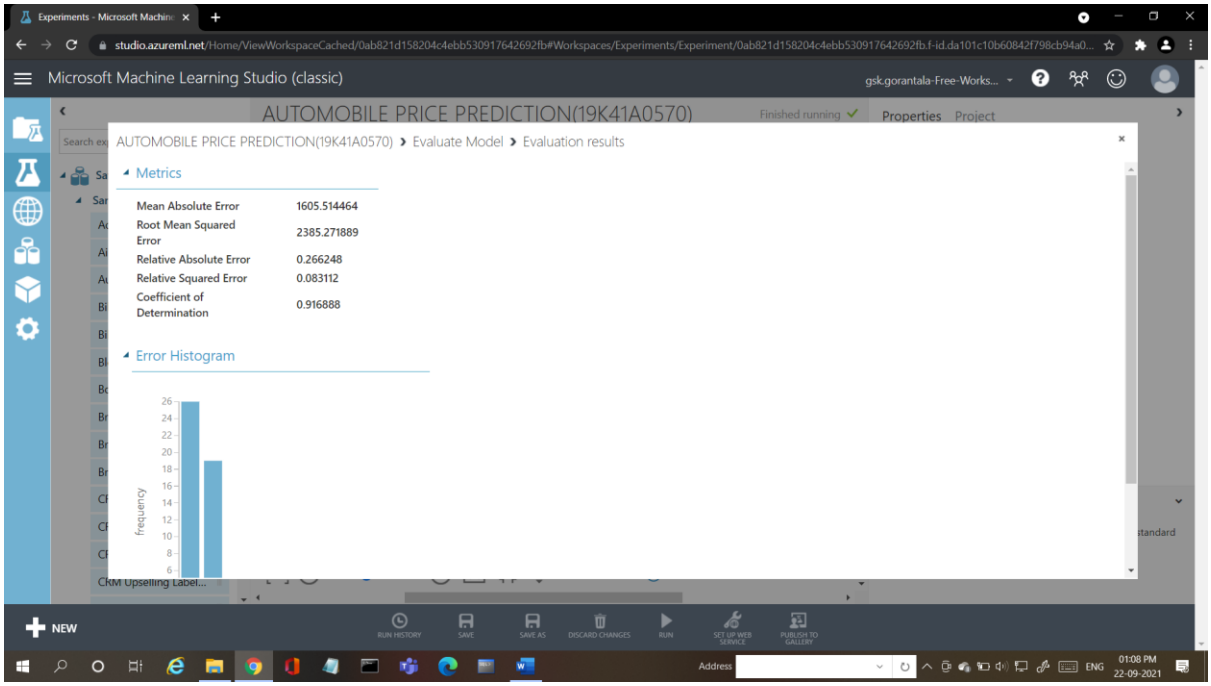
SCORE MODEL AND EVALUATION MODEL:-

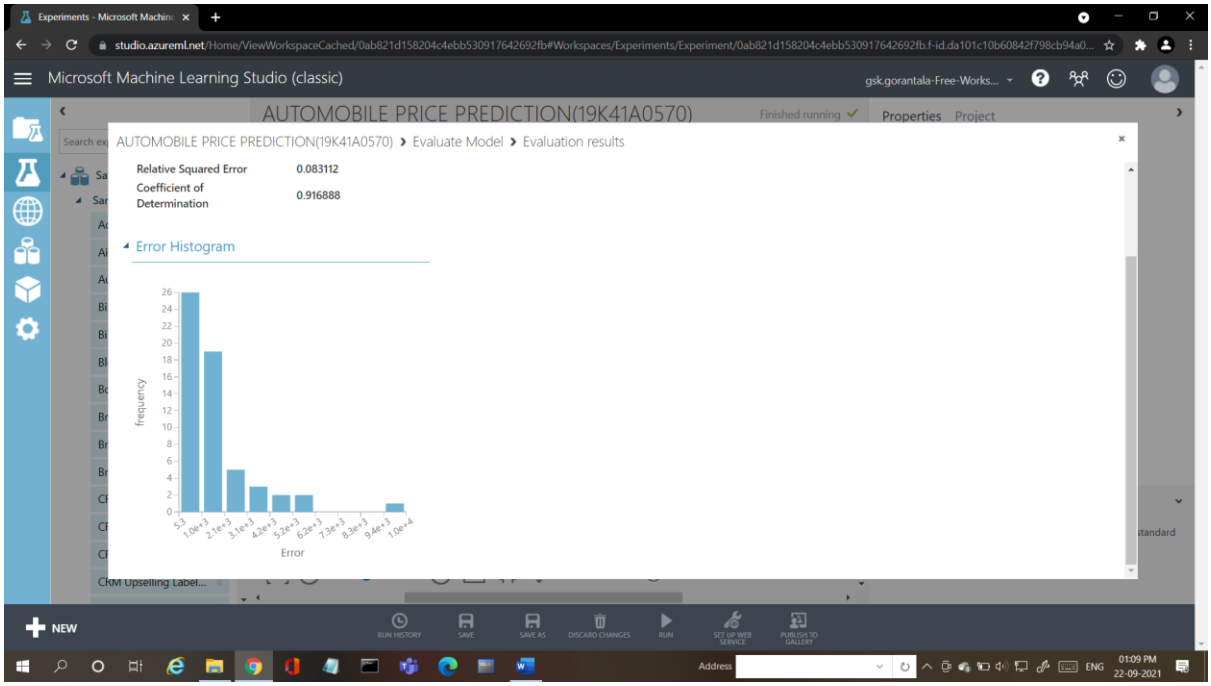




EVALUATION RESULTS:-






Microsoft Machine Learning Studio (classic)
AUTOMOBILE PRICE PREDICTION(19K41A0570)
AUTOMOBILE PRICE PREDICTION(19K41A0570) › Evaluate Model › Evaluation results
Relative Squared Error 0.083112
Coefficient of Determination 0.916888
Error Histogram
Frequency
Error
NEW