

DATA ANALYTICS

ASSIGNMENT-2

VIT-VELLORE CAMPUS

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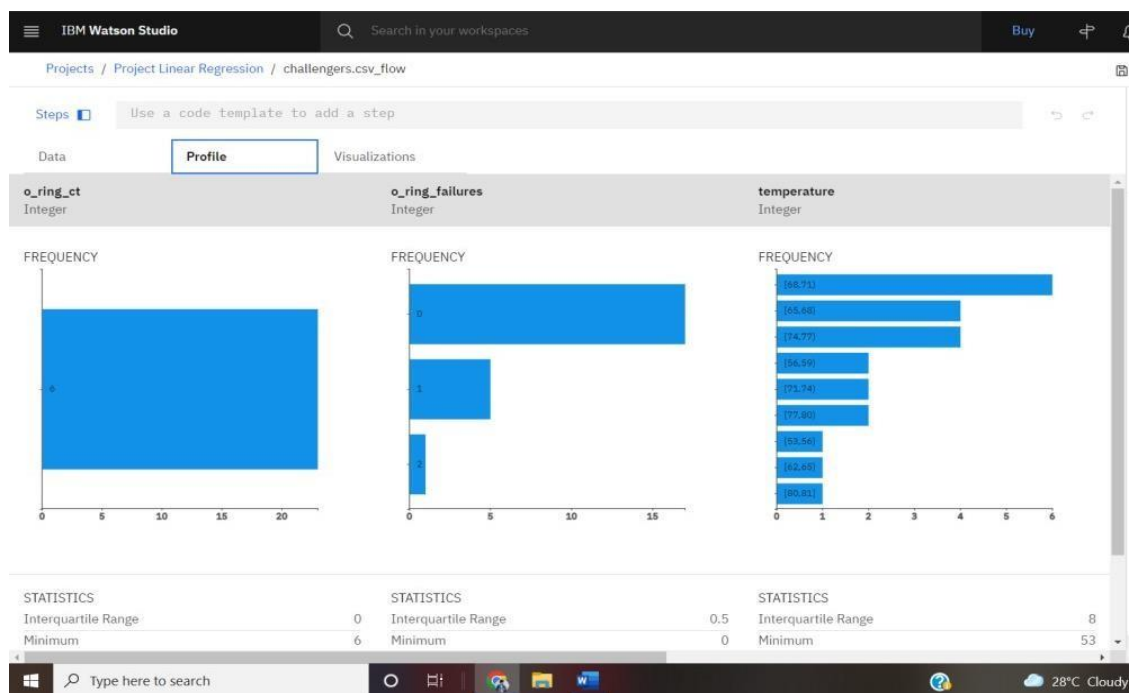
Projects / Project Linear Regression / challengers.csv_flow

Steps Use a code template to add a step

Data Profile Visualizations

	o_ring_ct Integer	o_ring_failu... Integer	temperature Integer	pressure Integer	launch_id Integer
1	6	0	66	50	1
2	6	1	70	50	2
3	6	0	69	50	3
4	6	0	68	50	4
5	6	0	67	50	5
6	6	0	72	50	6
7	6	0	73	100	7
8	6	0	70	100	8
9	6	1	57	200	9
10	6	1	63	200	10
11	6	1	70	200	11
12	6	0	78	200	12
13	6	0	67	200	13
14	6	2	53	200	14

SOURCE FILE: challengers.csv FULL DATA SET: 23 rows



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Projects / Project Linear Regression / Shuttle Launch Modeler

View Model: o_ring_failures

Regression

EVALUATION

Model Summary

ANOVA

Coefficients

MODEL VIEWER

Build Settings

Training Summary

Model Summary ⓘ

	1
R	0.822 [1]
R Square	0.676
Adjusted R Square	0.633
Std. Error of the Estimate	0.368

[1] Predictors: (Constant), [1], pressuretemperature

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ANOVA ⓘ

	1		
	Regression	Residual	Total
Sum of Squares	4.243	2.034	6.278
df	2.000	15.000	17.000
Mean Square	2.122	0.136	
F	15.645		
Sig.	0.000		

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Build Settings

Use partitioned data	true
Calculate predictor importance	true
Method	Enter
Include constant in equation	true
Use weight	false
Mode	Simple

eu-gb.dataplatform.cloud.ibm.com/canvas/flows/b425842c-452d-4828-bdf4-04e015a42c8d?context=cpdaas&project_id=c57a7df9-4512-47e5-8796-ffa01c075be5

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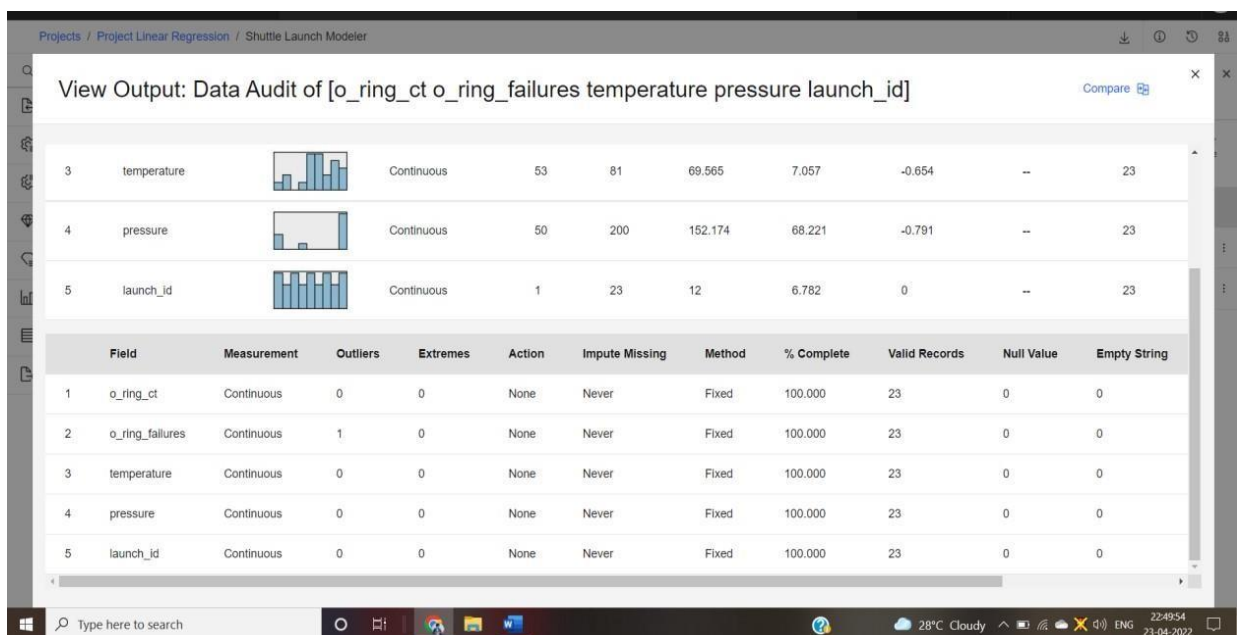
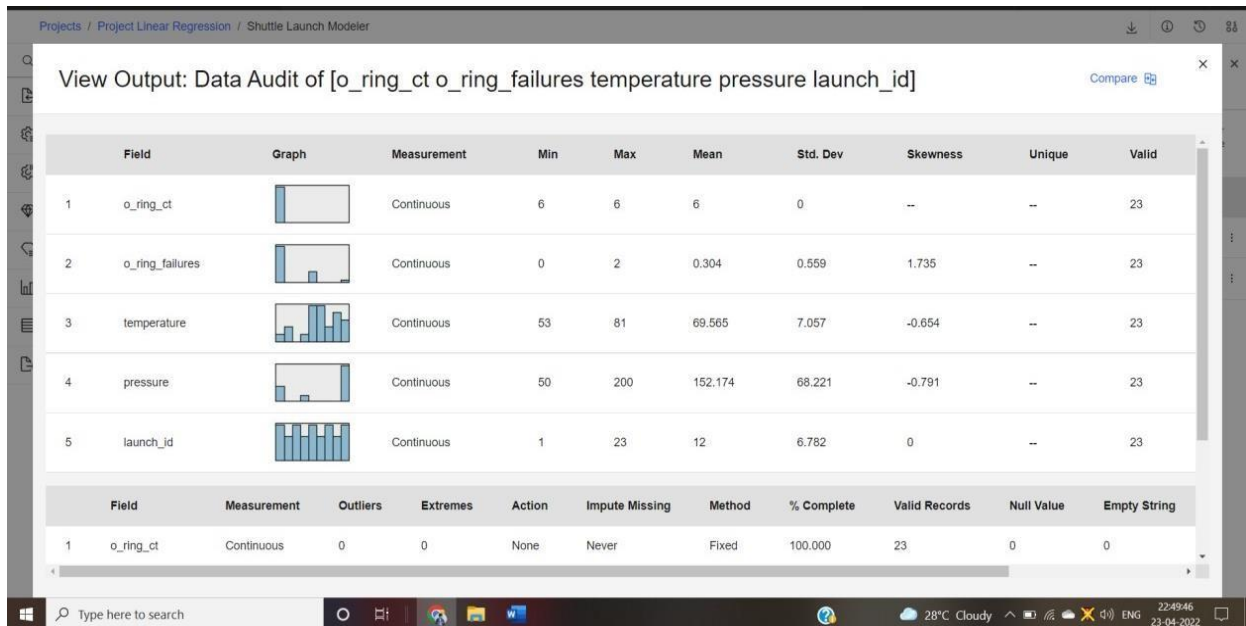
MODEL VIEWER

Build Settings

Training Summary

Training Summary

Algorithm	Regression
Model type	Approximation
Date built	Wed Apr 20 06:54:47 UTC 2022
Elapsed time for model build	0 hours, 0 mins, 3 secs



View Output: temperature v. pressure v. \$E-o_ring_failures

