

Preview

Activities

Visualization

Schema: 5 Columns

Preview: 23 rows

o_ring_ct String	o_ring_failures String	temperature String	pressure String
6	0	66	50
6	1	70	50
6	0	69	50
6	0	68	50
6	0	67	50
6	0	72	50
6	0	73	100
6	0	70	100
6	1	57	200
6	1	63	200
6	1	70	200
6	0	78	200
6	0	67	200
6	2	53	200
6	0	67	200
6	0	75	200



Promote to

Overview

Activities

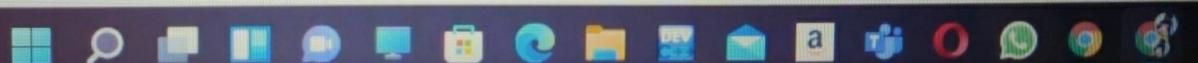
Input Schema

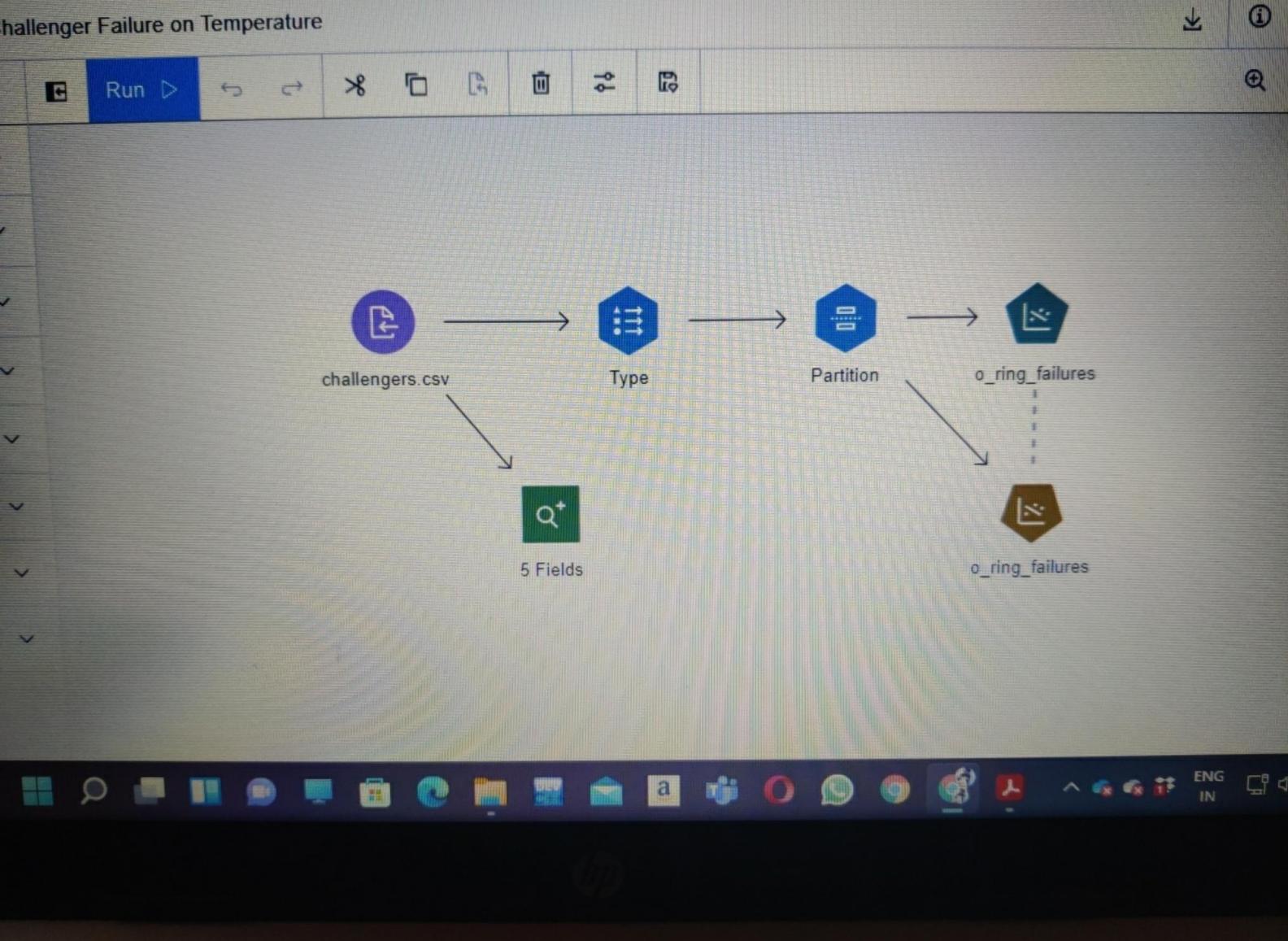
Input

Column	Type
launch_id	"integer"
o_ring_ct	"integer"
o_ring_failures	"integer"
pressure	"integer"
temperature	"integer"

Output

Column	Type
launch_id	"integer"
o_ring_ct	"integer"
o_ring_failures	"integer"
pressure	"integer"
temperature	"integer"





erature



Type

Type

Q Find in column Field

<input type="checkbox"/>	Field	Measure	Role	Value mode	Values	Check
<input type="checkbox"/>	# o_ring_ct	Continuous	▼ None	▼ Instantiated	6, 6	None ▼
<input type="checkbox"/>	# o_ring_fail	Continuous	▼ Target	▼ Instantiated	0, 2	None ▼
<input type="checkbox"/>	# temperatur	Continuous	▼ Input	▼ Instantiated	53, 81	None ▼
<input type="checkbox"/>	# pressure	Continuous	▼ None	▼ Instantiated	50, 200	None ▼
<input type="checkbox"/>	# launch_id	Continuous	▼ None	▼ Instantiated	1, 23	None ▼

Cancel

Save



16:08
28-12-2021

ENG
IN

n Temperature

Partition

Derived Field Name

Partition

Training Partition(%) 70

Testing Partition(%) 30

Create validation partition

Repeatable partition assignment

Cancel Save

challengers.csv

Type

Partition

o_ring_1

70

30

o_ring_1

5 Fields

View Output: Data Audit of [o_ring_ct o_ring_failures temperature pressure launch_id]

Field	Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	
1 o_ring_ct		Continuous	6	6	6	0	-	-	
2 o_ring_failures		Continuous	0	2	0.304	0.559	1.735	-	
3 temperature		Continuous	53	81	69.565	7.057	-0.654	-	
4 pressure		Continuous	50	200	152.174	68.221	-0.791	-	
5 launch_id		Continuous	1	23	12	6.782	0	-	
Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value



ENG
IN

View Output: Data Audit of [o_ring_ct o_ring_failures temperature pressure launch_id]

4	pressure		Continuous	50	200	152.174	68.221	-0.791	-	-	23
5	launch_id		Continuous	1	23	12	6.782	0	-	-	23
Field	Measurement	Outliers	Extremes	Action	Impute Missing	Method	% Complete	Valid Records	Null Value	Empty Str	
1	o_ring_ct	Continuous	0	0	None	Never	Fixed	100.000	23	0	0
2	o_ring_failures	Continuous	1	0	None	Never	Fixed	100.000	23	0	0
3	temperature	Continuous	0	0	None	Never	Fixed	100.000	23	0	0
4	pressure	Continuous	0	0	None	Never	Fixed	100.000	23	0	0
5	launch_id	Continuous	0	0	None	Never	Fixed	100.000	23	0	0



View Model: o_ring_failures

Regression

Model Summary ①

EVALUATION

Model Summary

ANOVA

Coefficients

MODEL VIEWER

Build Settings

Training Summary

	I
R	0.766 [1]
R Square	0.587
Adjusted R Square	0.561
Std. Error of the Estimate	0.402



Regression

EVALUATION

Model Summary

ANOVA

Coefficients

MODEL VIEWER

Build Settings

Training Summary

ANOVA ①

	1		
	Regression	Residual	Total
Sum of Squares	3.686	2.592	6.278
df	1.000	16.000	17.000
Mean Square	3.686	0.162	
F	22.758		
Sig.	0.000		



Regression

EVALUATION

Model Summary

ANOVA

Coefficients

MODEL VIEWER

Build Settings

Training Summary

Coefficients

		1	
		(Constant)	temperature
	B	4.579	-0.060
Unstandardized Coefficients	Std. Error	0.883	0.013
	Beta		-0.766
t		5.183	-4.770
	Sig.	0.000	0.000
Fraction Missing Info.			
Relative Increase Variance			
Relative Efficiency			

View Model: o_ring_failures

Regression

EVALUATION

Model Summary

ANOVA

Coefficients

MODEL VIEWER

Build Settings

Training Summary

Build Settings ⓘ

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

View Model: o_ring_failures

Regression

Training Summary ⓘ

EVALUATION

Model Summary

ANOVA

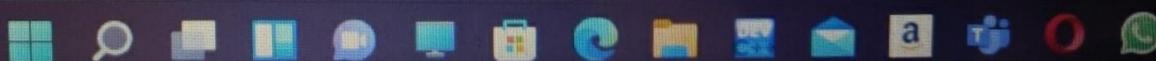
Coefficients

MODEL VIEWER

Build Settings

Training Summary

Algorithm	Regression
Model type	Approximation
Date built	Tue Dec 28 10:39:54 UTC 2021
Elapsed time for model build	0 hours, 0 mins, 3 secs



Steps □ Use a code template to add a step

Data

Profile

Visualizations

	o_ring_ct Integer	o_ring_fatu... 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
15	6	0	67	200	15
16	6	0	75	200	16
A	0	70	200	17	

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

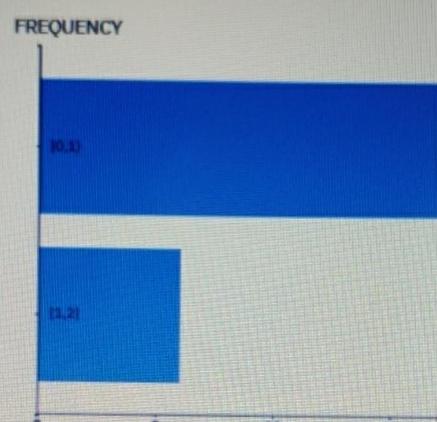
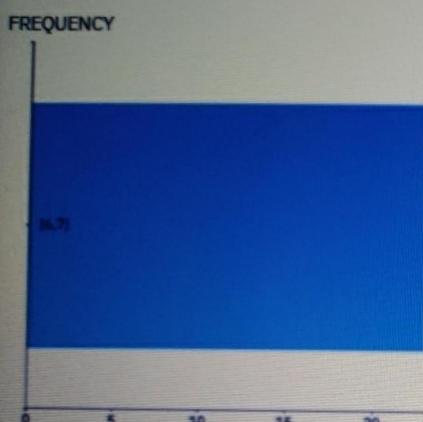
Projects / Challenger data / challengers.csv_flow

Steps □ Use a code template to add a step

Data

Profile

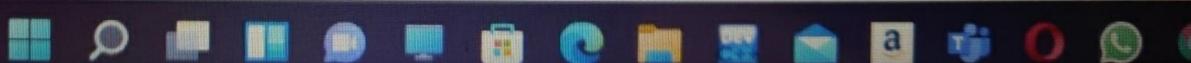
Visualizations



STATISTICS
Interquartile Range
Minimum
Maximum
Median
Standard Deviation

STATISTICS
Interquartile Range
Minimum
Maximum
Median
Standard Deviation

STATISTICS	
0.5	Interquartile Range
0	Minimum
2	Maximum
0	Median

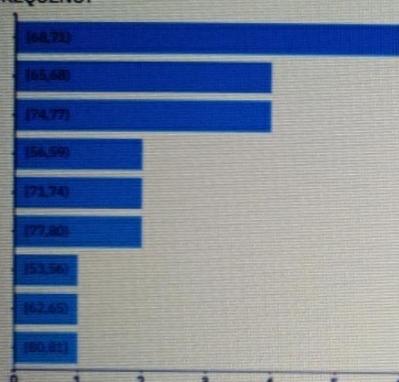


challengers.csv_flow

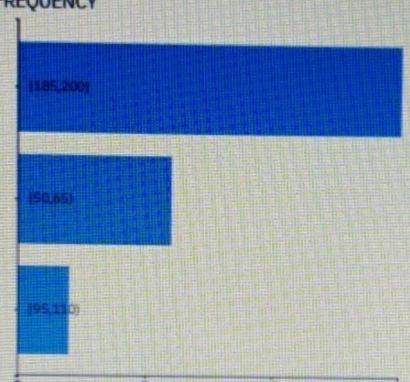
Template to add a step

Visualizations

FREQUENCY



FREQUENCY



FREQUENCY



STATISTICS

0.5	Interquartile Range	8
0	Minimum	53
2	Maximum	81
0	Median	70
72	Standard Deviation	7.05707953345447

STATISTICS

8	Interquartile Range	125
0	Minimum	50
2	Maximum	200
0	Median	200
72	Standard Deviation	68.2213324234324

STATISTICS

11	Interquartile Range	125
1	Minimum	50
23	Maximum	200
12	Median	200
6.78232998312527	Standard Deviation	6.78232998312527



Steps [] Use a code template to add a step

Data

Profile

Visualizations

SCATTER PLOT CHART



CHART TYPE

Scatter plot

Line

Multi-series

Histogram

Q-Q plot

Parallel

Box plot

t-SNE

Map

Radar

ACTION

X-axis*

temperature



o_ring_f...

2.000

Y-axis*

o_ring_failures



Color map ⓘ

None



Size map ⓘ

None



Shape map ⓘ

None



Fit line ⓘ

None



Gradient Bubble ⓘ

0.000

50.000 55.000 60.000 65.000 70.000 75.000 80.000 85.000

temperature



Steps 0 Use a code template to add a step

