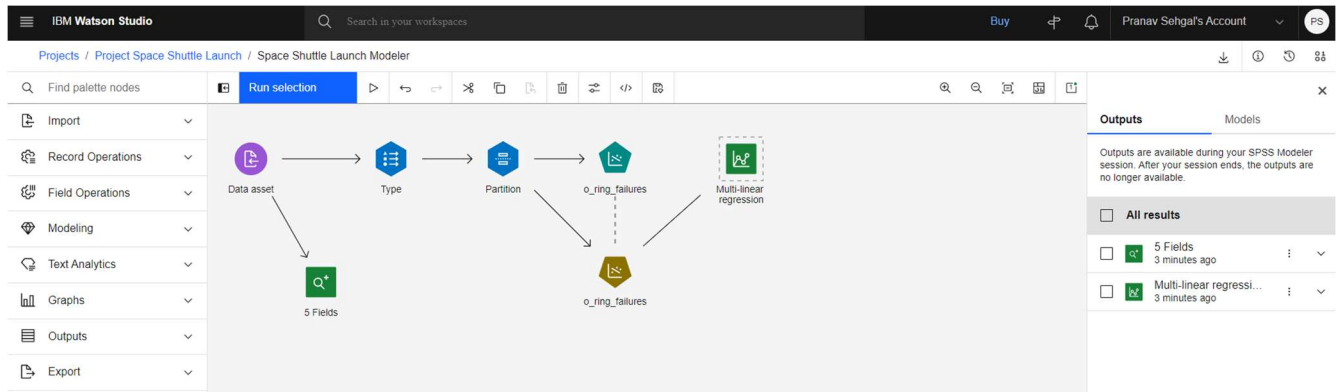**NAME:** Pranav Sehgal

Registration Number: 20BCE0898

E-mail Id: pranav.sehgal2020@vitstudent.ac.in

ASSIGNMENT-2

View Output: 5 Fields

Compare

	Field	Graph	Measurement	Min	Max	Mean	Std. Dev	Skewness	Unique	Valid
1	o_ring_ct		Continuous	6	6	6	0	--	--	23
2	o_ring_failures		Continuous	0	2	0.304	0.559	1.735	--	23
3	temperature		Continuous	53	81	69.565	7.057	-0.654	--	23
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 String	White Space	Bl
1	o_ring_ct	Continuous	0	0	None	Never	Fixed	100.000	23	0	0	0	0
2	o_ring_failures	Continuous	1	0	None	Never	Fixed	100.000	23	0	0	0	0

View Model: o_ring_failures

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

View Model: o_ring_failures

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		

View Model: o_ring_failures

Coefficients ⓘ

			1		
			(Constant)	temperature	pressure
Unstandardized Coefficients	B		4.181	-0.060	0.003
	Std. Error		0.832	0.012	0.001
Standardized Coefficients	Beta			-0.763	0.298
t			5.025	-5.194	2.027
Sig.			0.000	0.000	0.061
Fraction Missing Info.					
Relative Increase Variance					
Relative Efficiency					

View Model: o_ring_failures

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

Training Summary ⓘ

Algorithm	Regression
Model type	Approximation
Date built	Sun Apr 24 15:51:36 UTC 2022
Elapsed time for model build	0 hours, 0 mins, 3 secs

View Output: Multi-linear regression