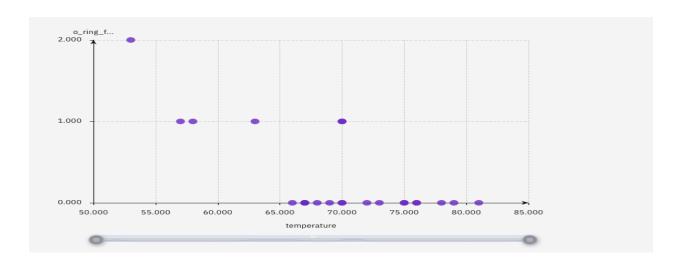
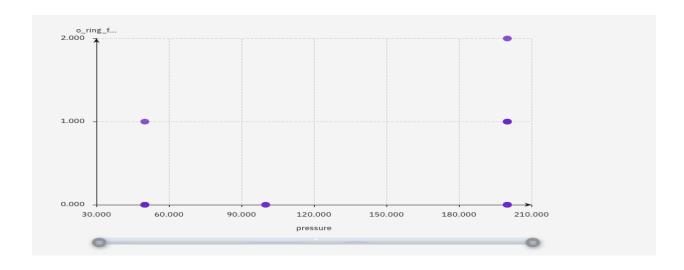
OJASHWI SHARMA (VIT BHOPAL) SmartInternz Externship Assignment 2 Space Shuttle Data Analysis

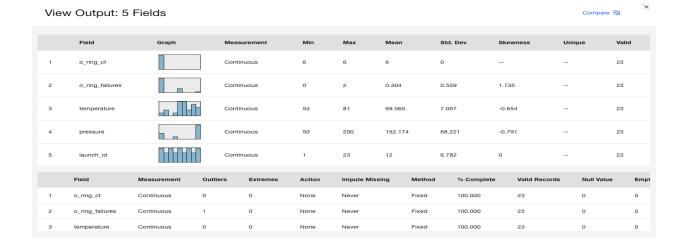
- 1. Refined data visualization
- a) Temperature Vs o_ring_failures Scatter plot



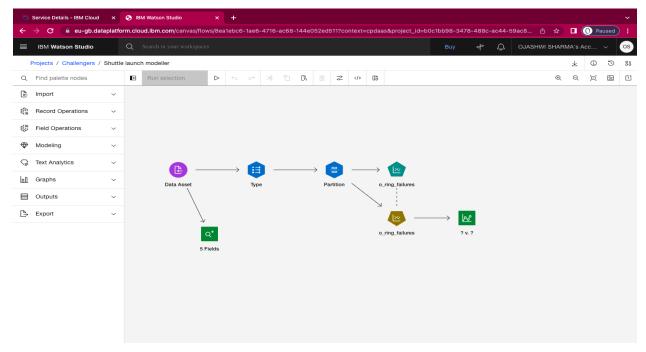
b) Pressure Vs o_ring_failures Scatter plot



2. Data Audited



3. SPSS Model Flow



4. Model Summary

View Model: o_ring_failures

Regression	Model Summary ®	
EVALUATION Model Summary		1
ANOVA	R	0.766 [1]
Coefficients MODEL VIEWER	R Square	0.587
Build Settings	Adjusted R Square	0.561
Training Summary	Std. Error of the Estimate	0.402
	[1] Predictors: (Constant), [%1	:, temperature

5. Anova

View Model: o_ring_failures

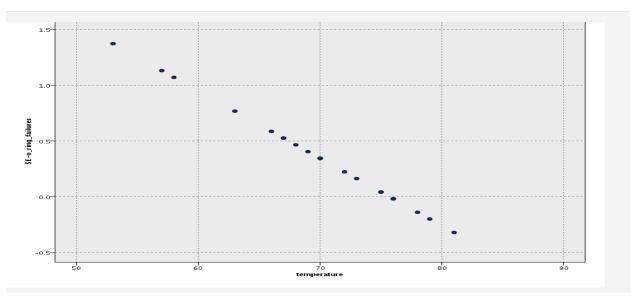
Regression	ANOVA ①			
EVALUATION		1		
Model Summary				
ANOVA		Regression	Residual	Total
Coefficients	Sum of Squares	3.686	2.592	6.278
MODEL VIEWER	df	1.000	16.000	17.000
Build Settings				
Training Summary	Mean Square	3.686	0.162	
	F	22.758		
	Sig.	0.000		

6. Coefficients

View Model: o_ring_fai	_failures					
Regression	Coefficients ®					
EVALUATION			1			
Model Summary ANOVA			(Constant)	temperature		
Coefficients		В	4.579	-0.060		
MODEL VIEWER	Unstandardized Coefficients	Std. Error	0.883	0.013		
Build Settings Training Summary	Standardized Coefficients	Beta		-0.766		
	t		5.183	-4.770		
	Sig.	g.		0.000		
Fraction Missing Info. Relative Increase Variance						
	Relative Efficiency					

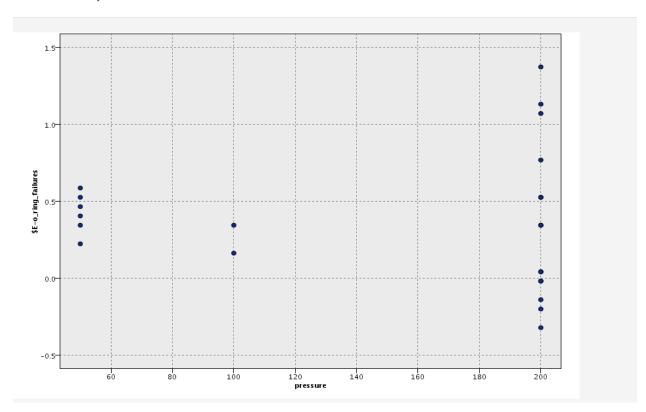
7. 2d plot Temperature Vs &E-o_ring_failures

View Output: ? v. ?



8. 2d plot Pressure Vs &E-o_ring_failures

View Output: ? v. ?



9. 3d plot Pressure vs Temperature vs &E-o_ring_failures View Output: ? v. ?

