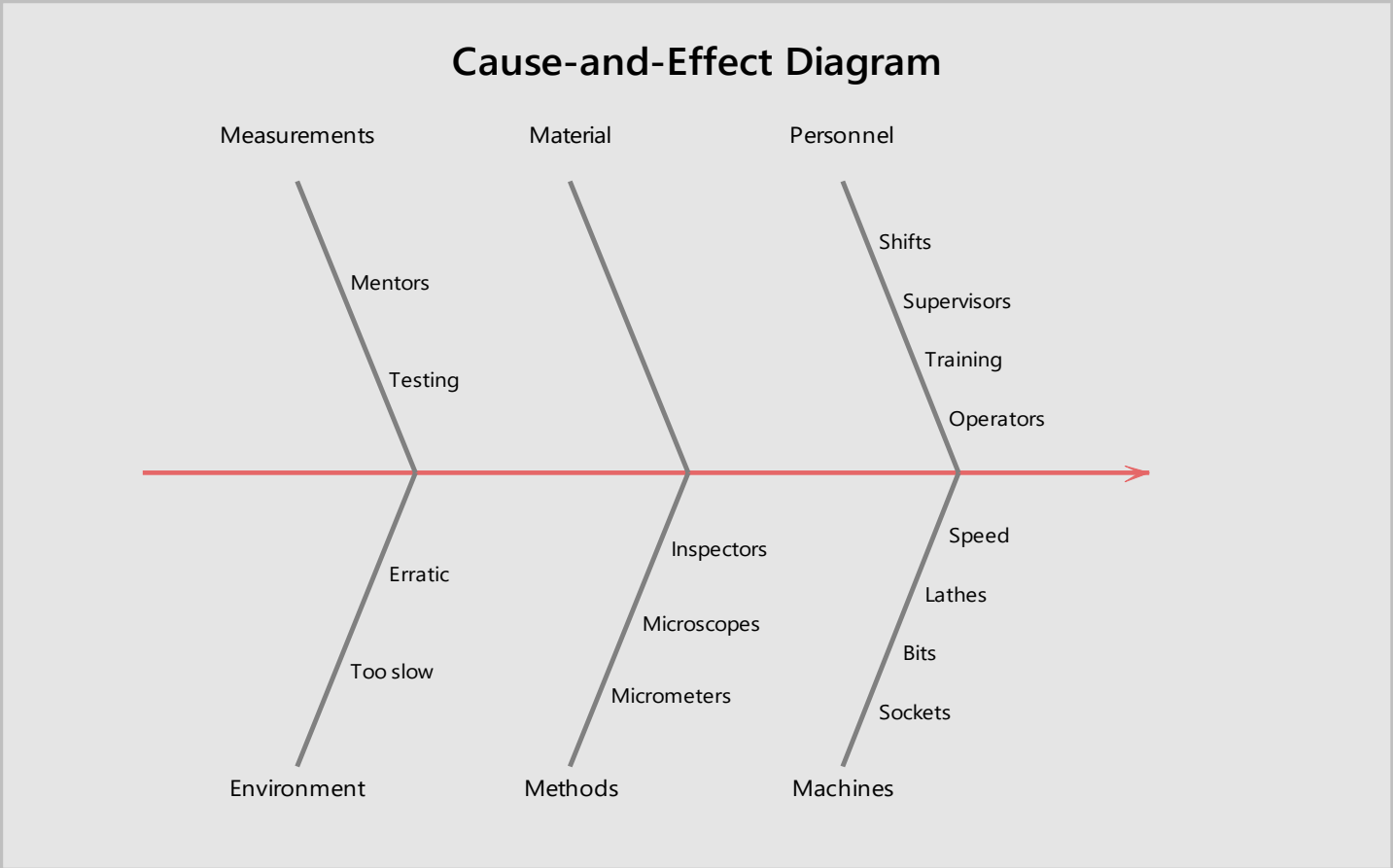




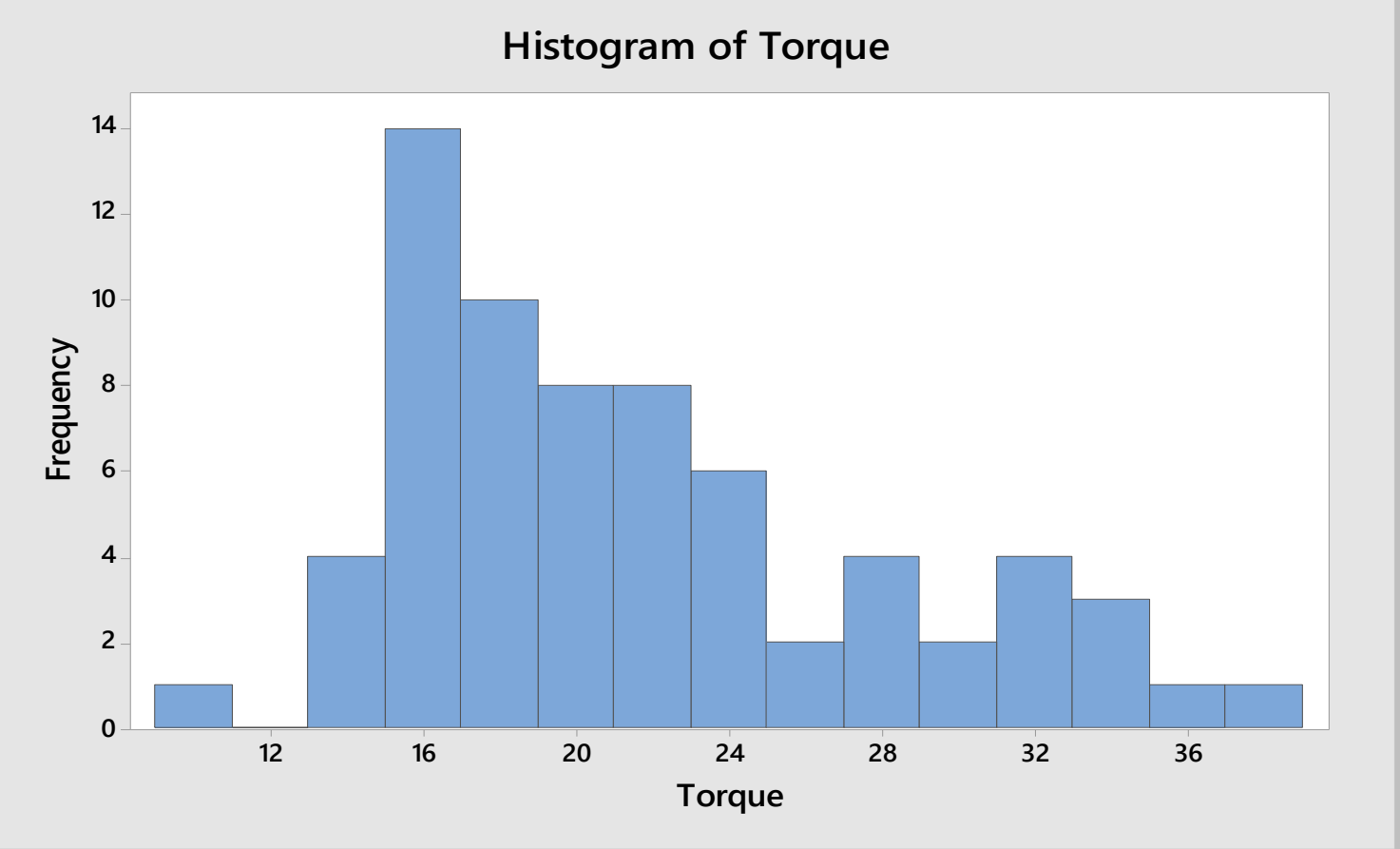
DATA VISUALIZATION USING MINITAB

Contact

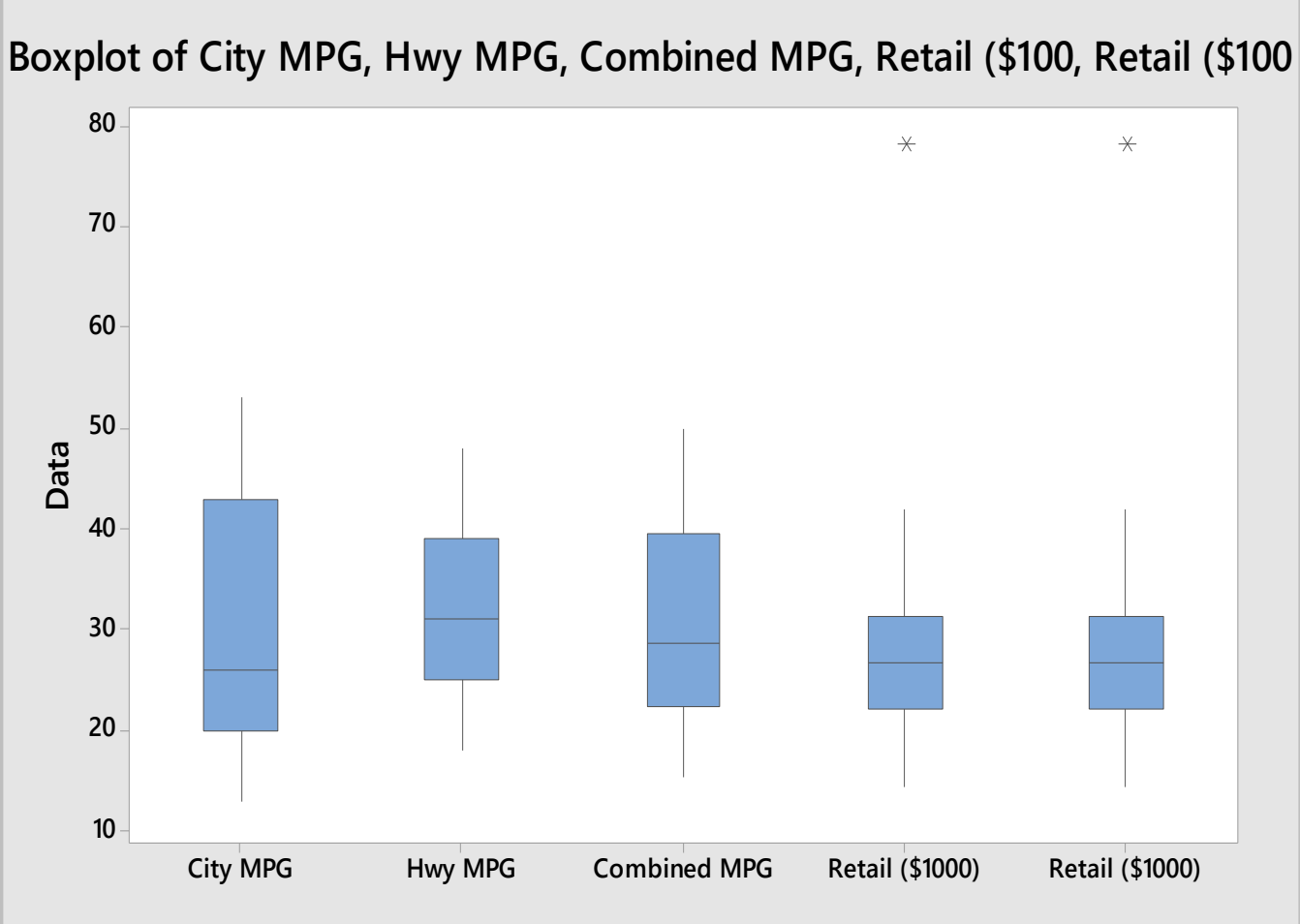
MD.Asamul Islam
Roll:201636033
Level: 03 Term :02
Department of Industrial and Production
Military Institute of Science and Technology



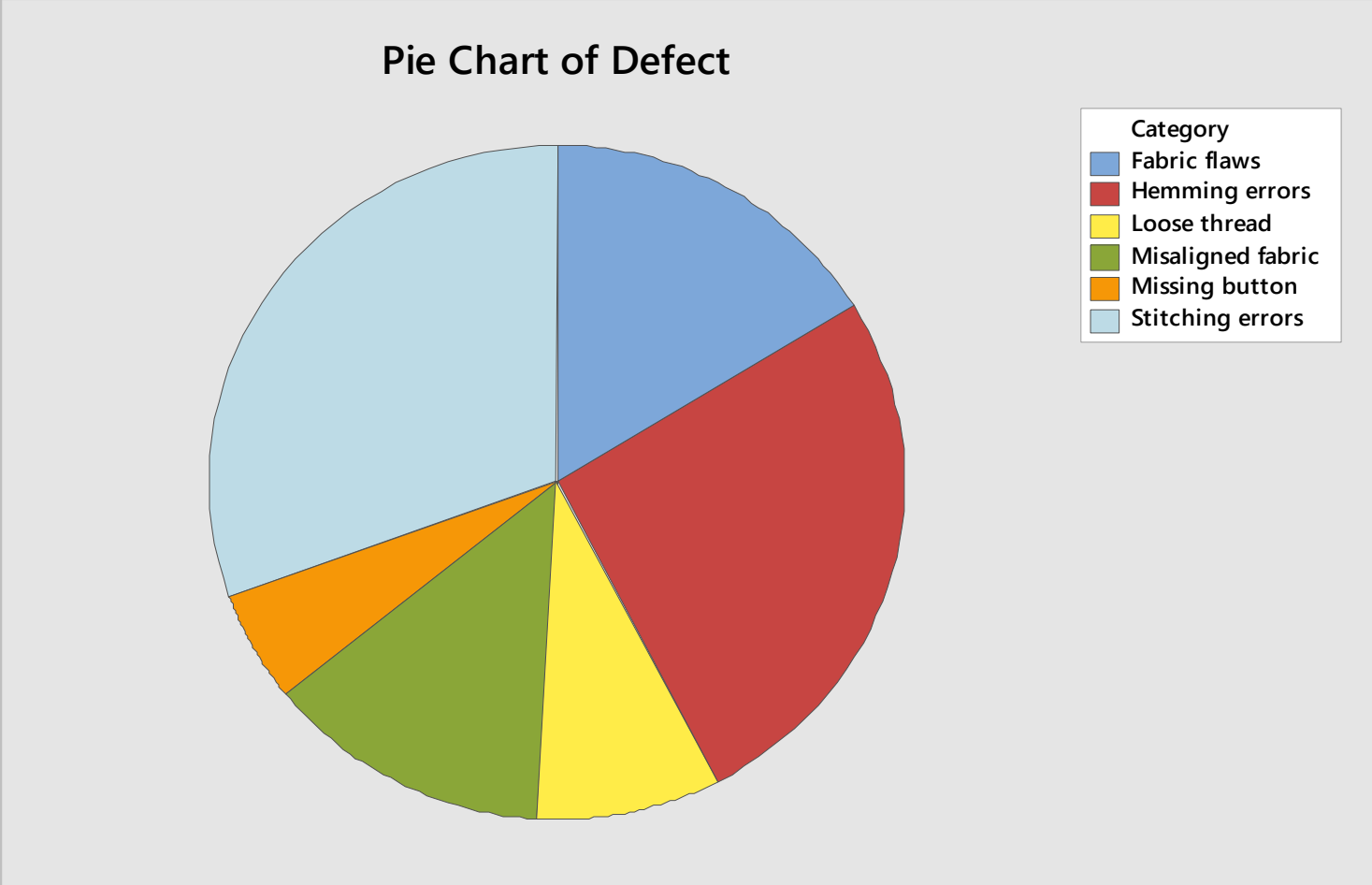
Cause and effect diagram



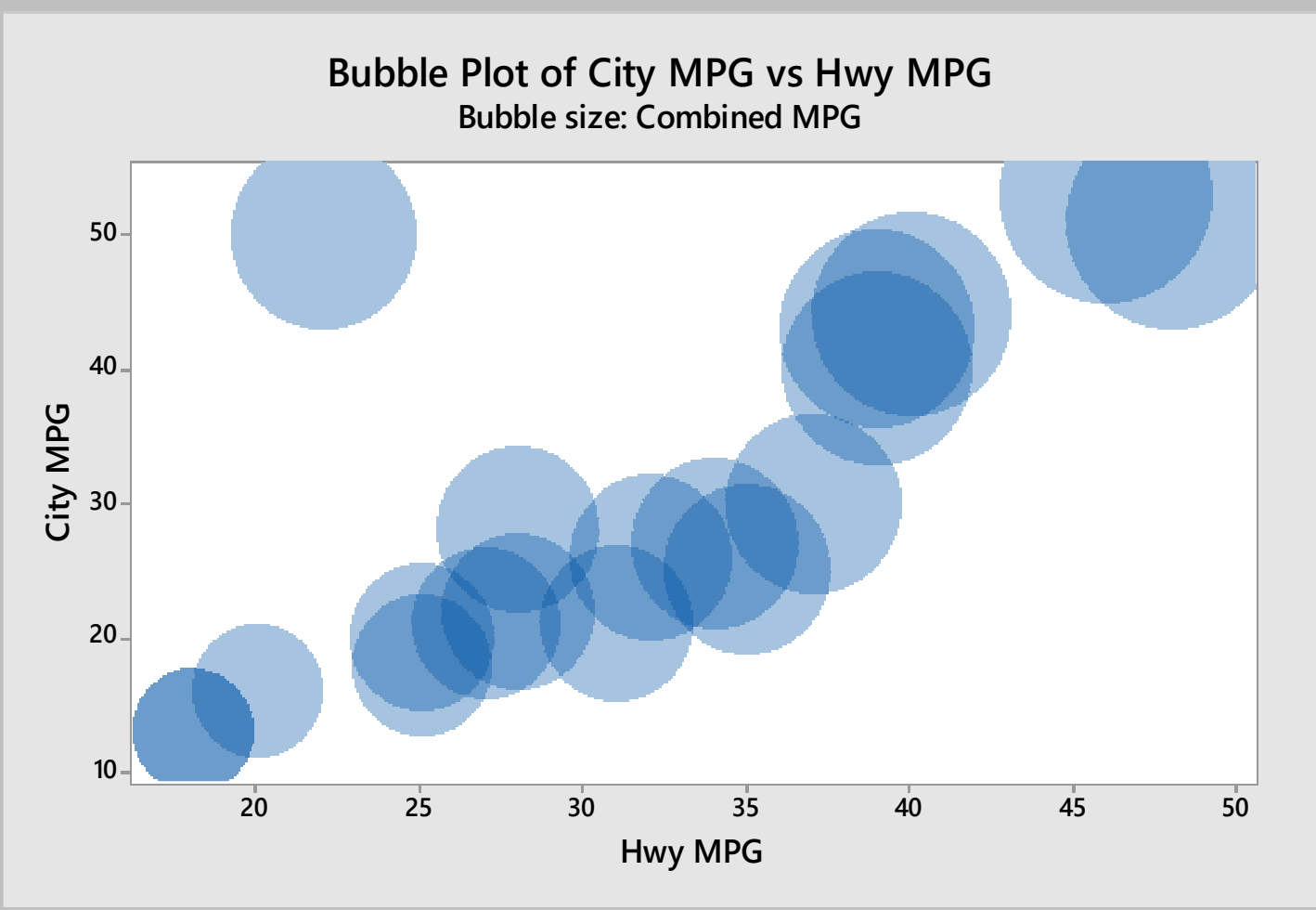
Histogram



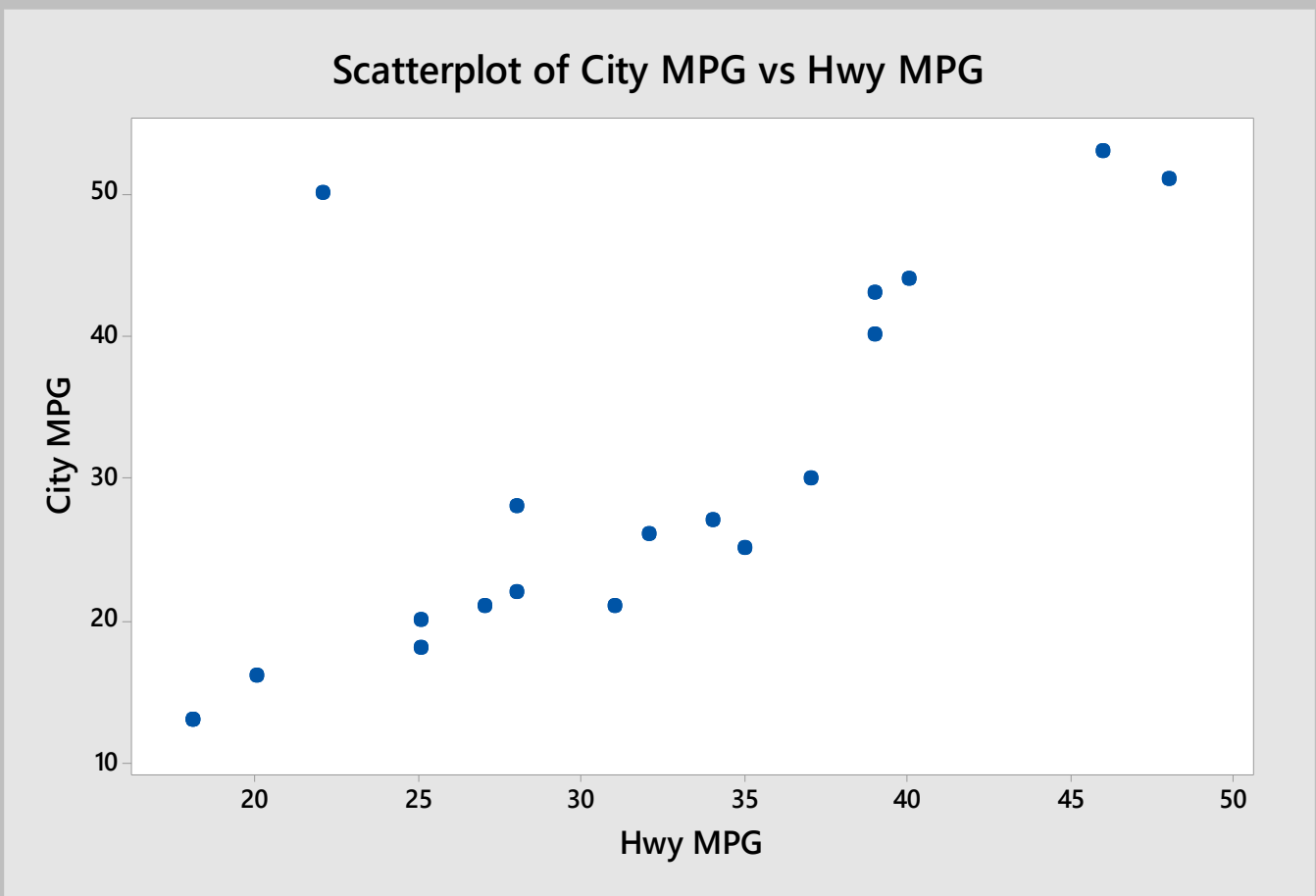
Boxplot



Pie Chart



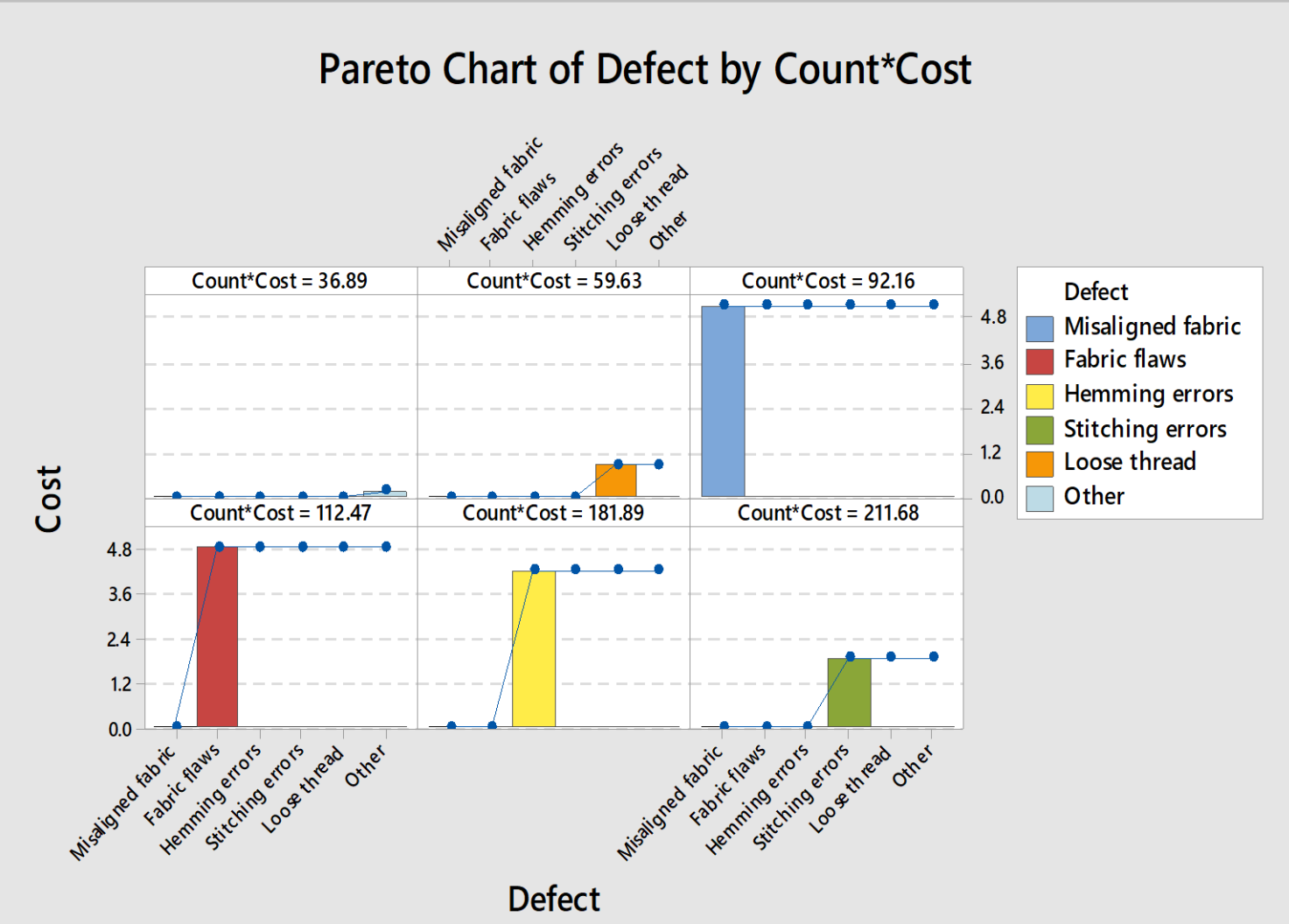
Bubble Plot



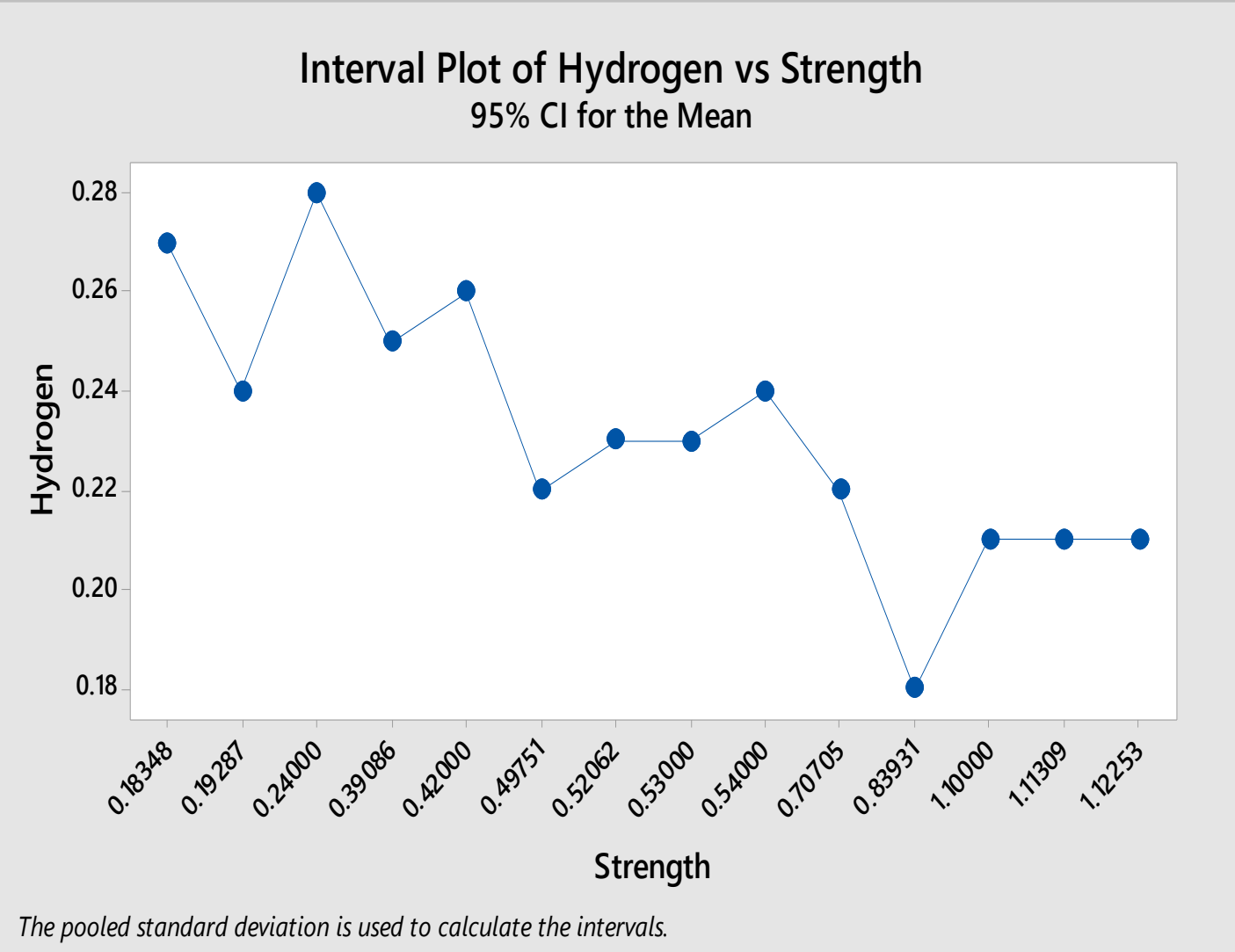
Scatterplot

Data Modeling

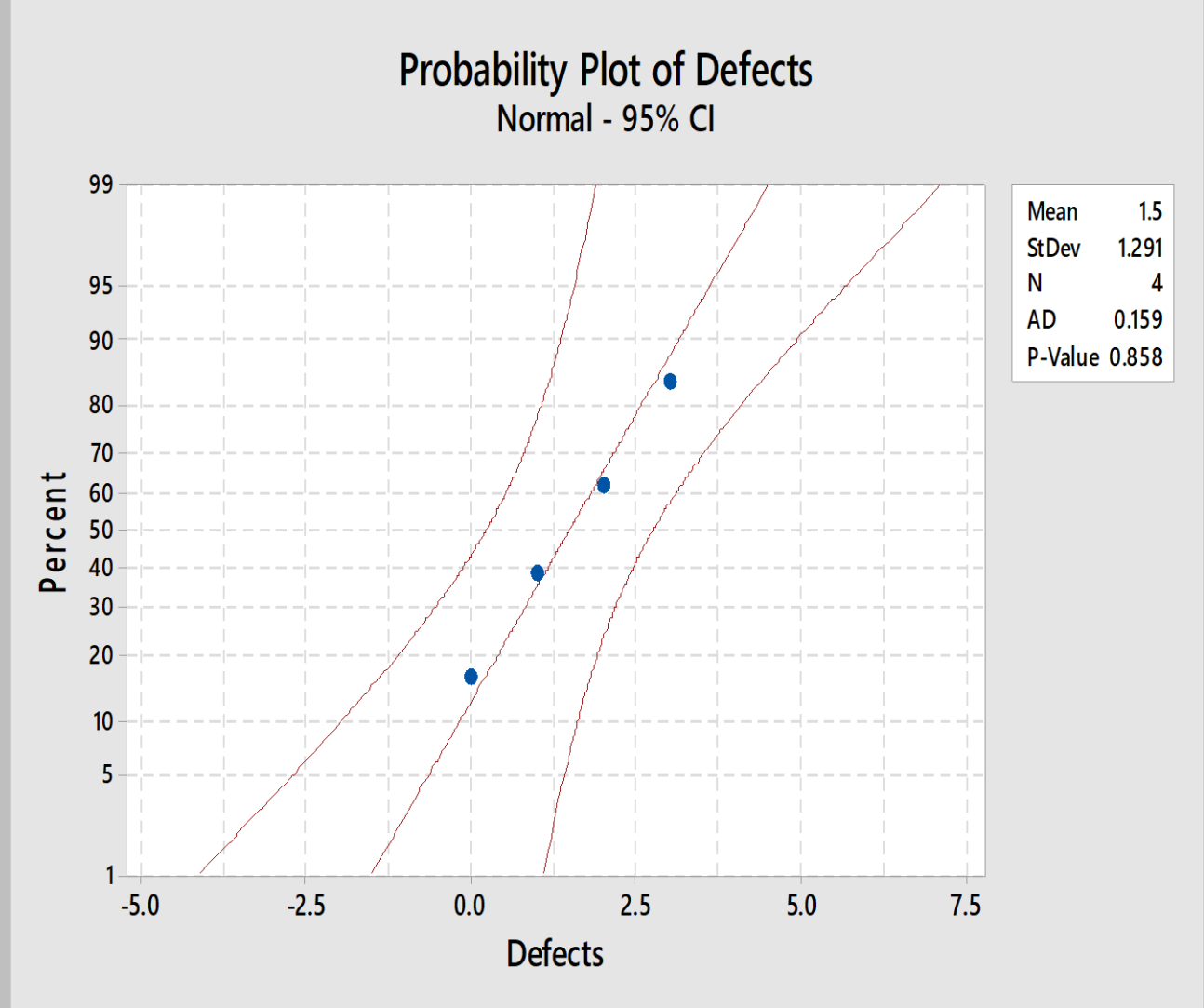
Data modeling is the process of creating a data model for an information system by applying certain formal techniques. Analysis of variance (ANOVA) is a collection of statistical models and their associated estimation procedures used to analyse the differences among group means in a sample.



Pareto Chart



ANOVA



Probability Plot

Missing button	33	0.17	36.89
Loose thread	21	0.89	59.63
Misaligned fabric	18	5.12	92.16
Fabric flaws	23	4.89	112.47
Stitching errors	112	1.89	211.68
Hemming errors	43	4.23	181.89

Hydrogen	Porosity	Strength
0.180000	0.500150	0.83931
0.210000	0.410000	1.12253
0.210000	0.450000	1.11309
0.210000	0.550000	1.10000
0.220000	0.440000	0.70705
0.220000	0.240000	0.49751
0.230000	0.470000	0.53000
0.230000	0.700000	0.52062
0.240000	0.800000	0.19287
0.240000	0.220000	0.54000
0.250000	0.880000	0.39086
0.260000	0.720000	0.42000
0.270000	0.750000	0.18348
0.280000	0.700000	0.24000