



Exploratory Data Analysis Using Minitab

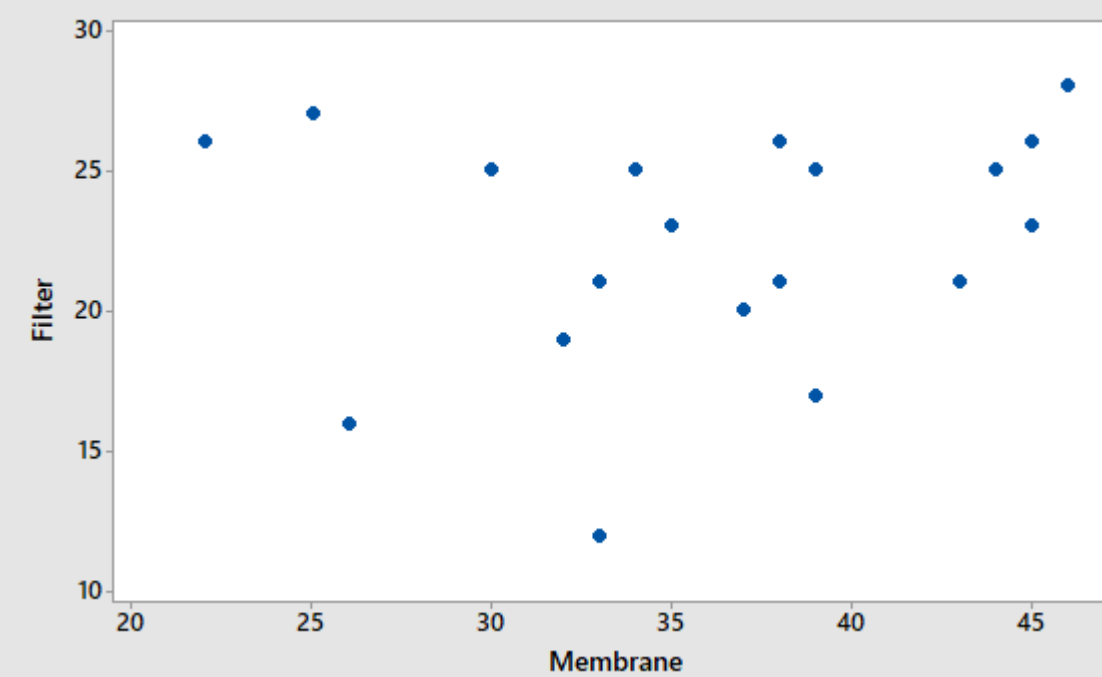
Quality Management Sessional

IPE-314

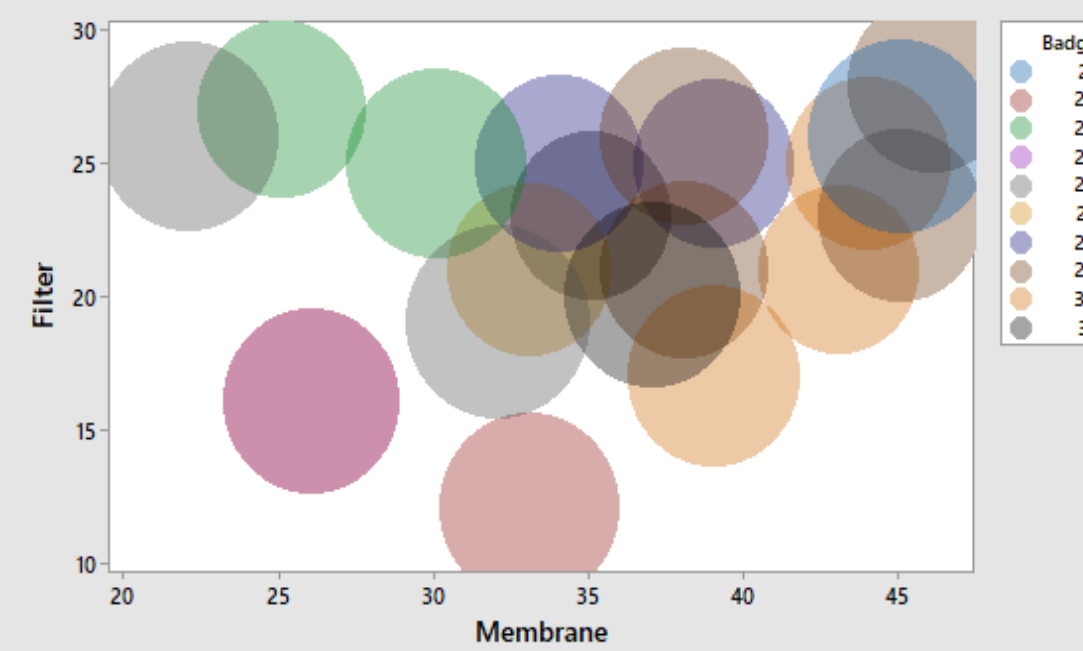
Israt Humayra, Student ID:201636012

↓	C1	C2	C3	C4
	Filter	Membrane	Open Cup	Badge
1	26	45	36	21
2	12	33	34	23
3	16	26	33	27
4	28	46	29	29
5	27	25	30	24
6	19	32	36	26
7	21	33	28	27
8	26	22	34	26

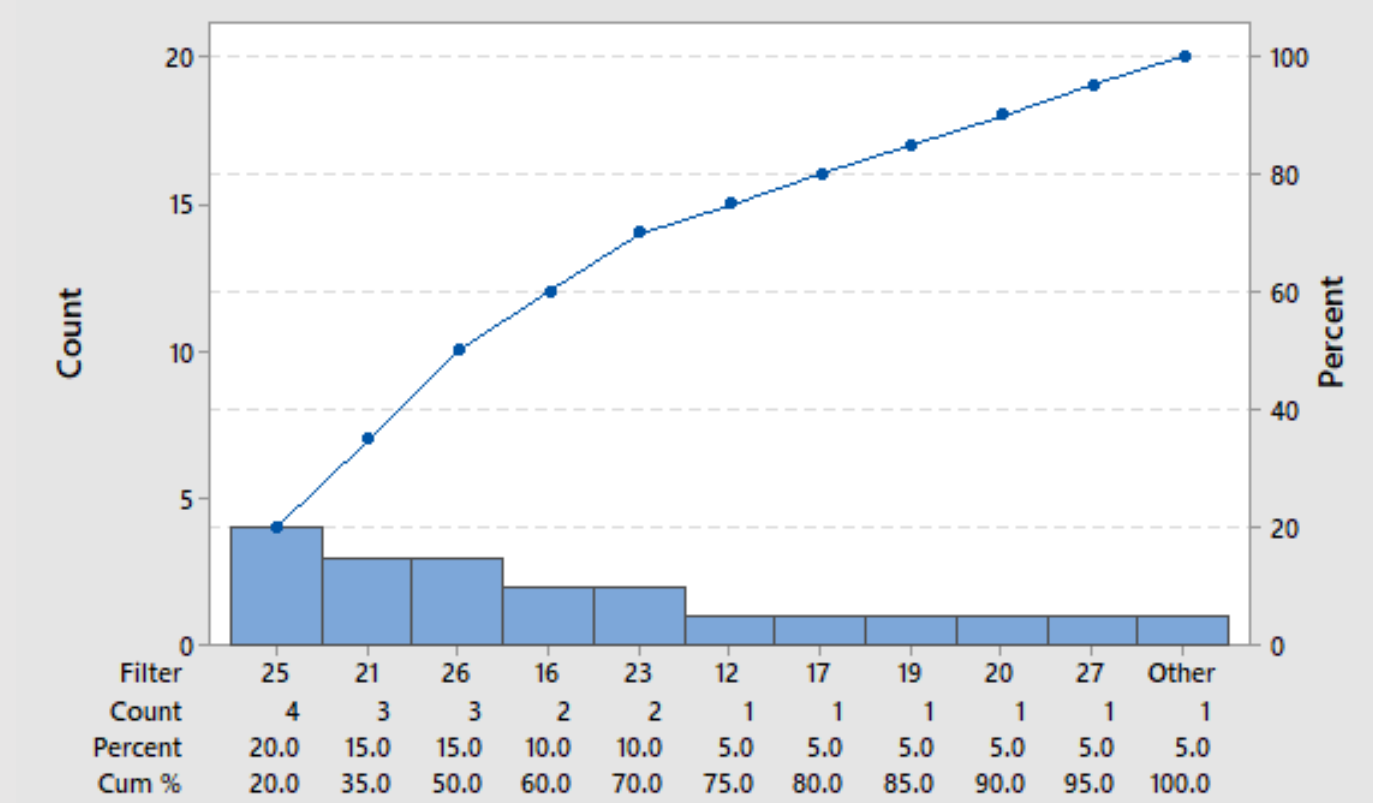
Scatterplot of Filter vs Membrane



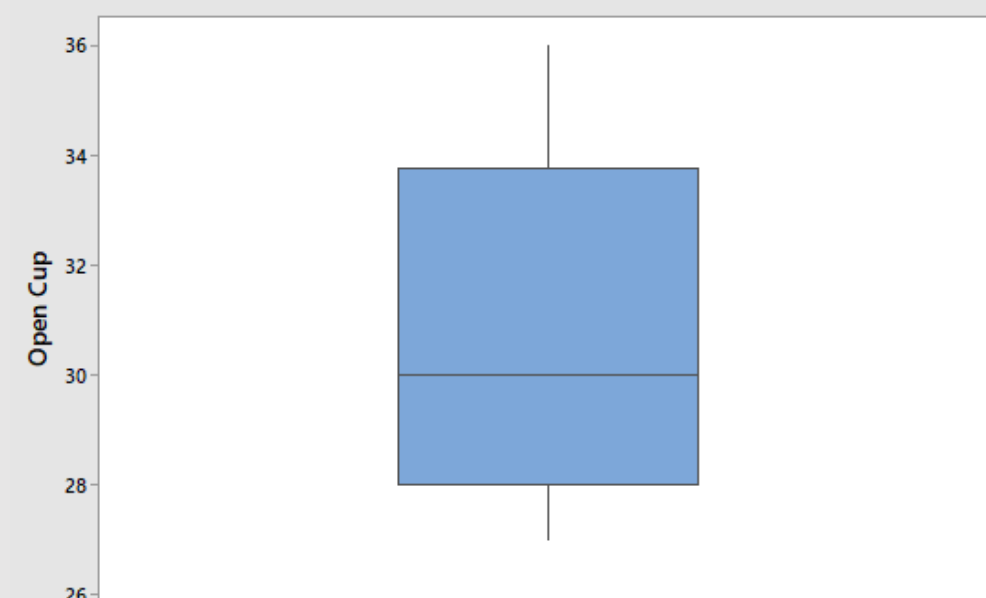
Bubble Plot of Filter vs Membrane
Bubble size: Open Cup



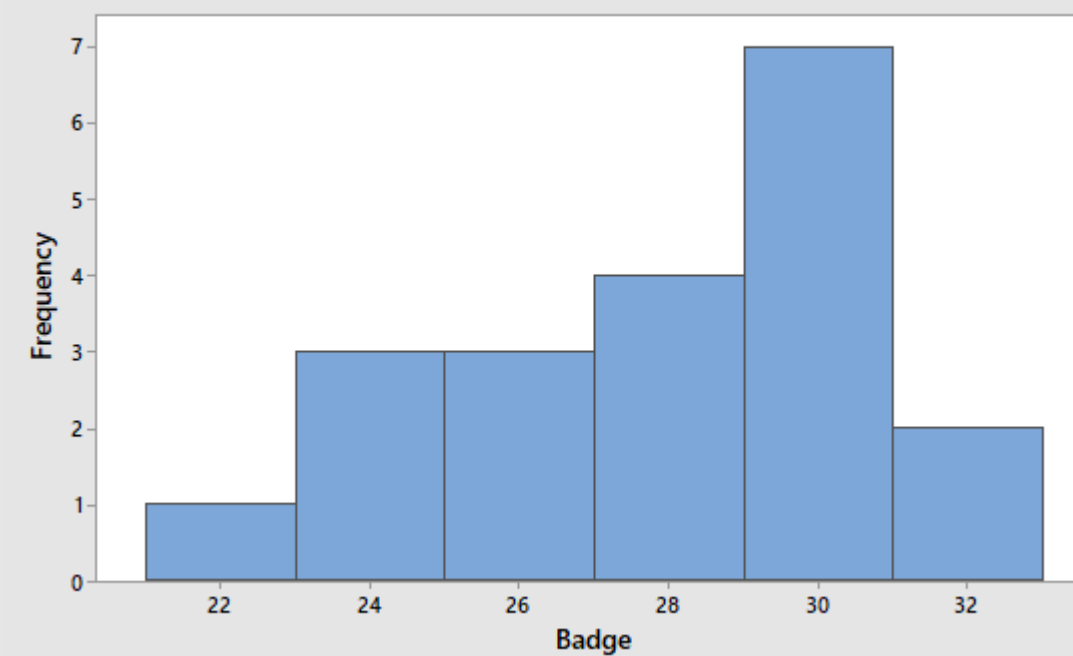
Pareto Chart of Filter



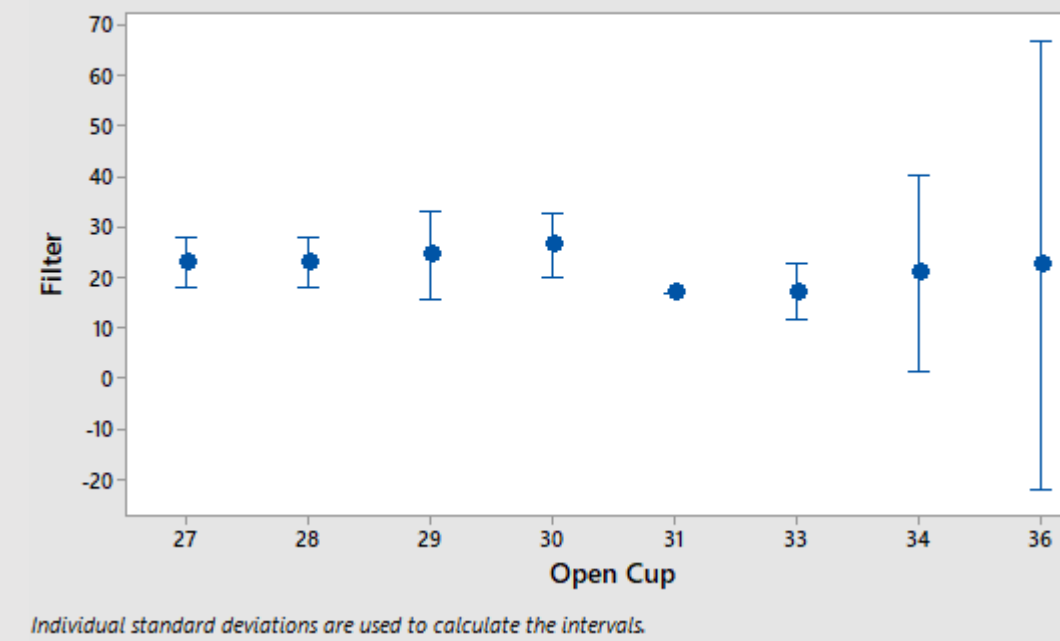
Boxplot of Open Cup



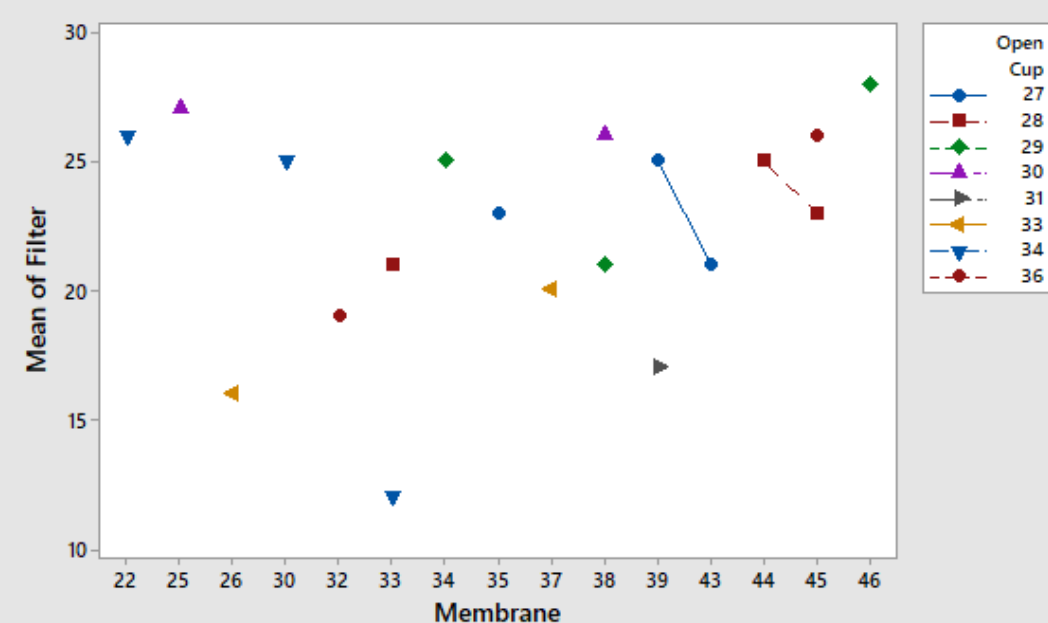
Histogram of Badge



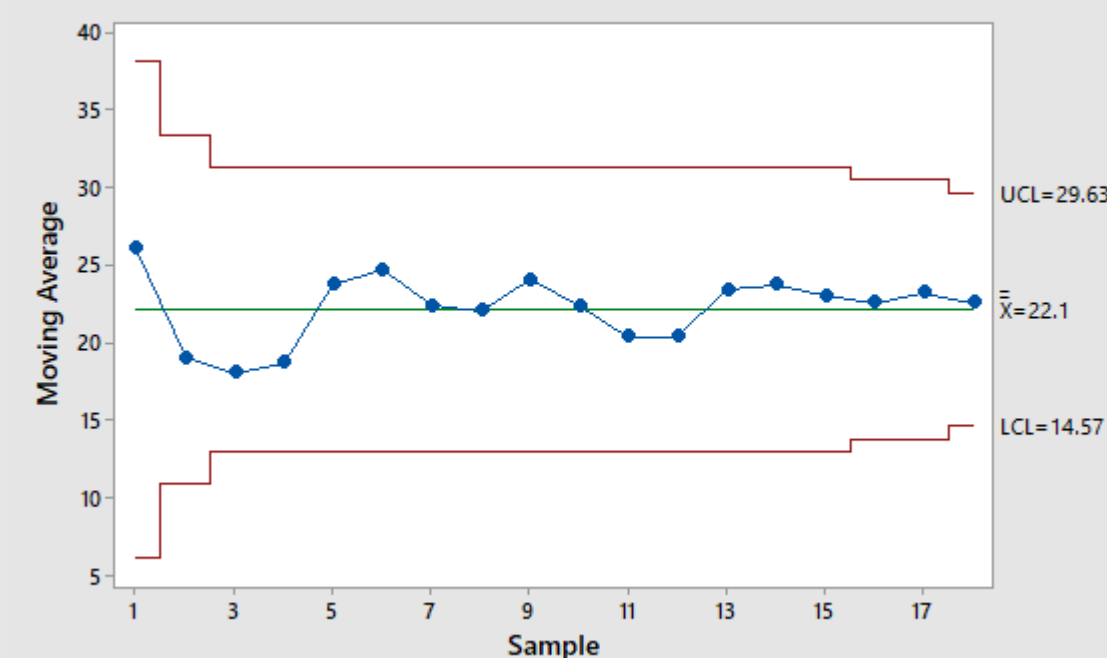
Interval Plot of Filter
95% CI for the Mean



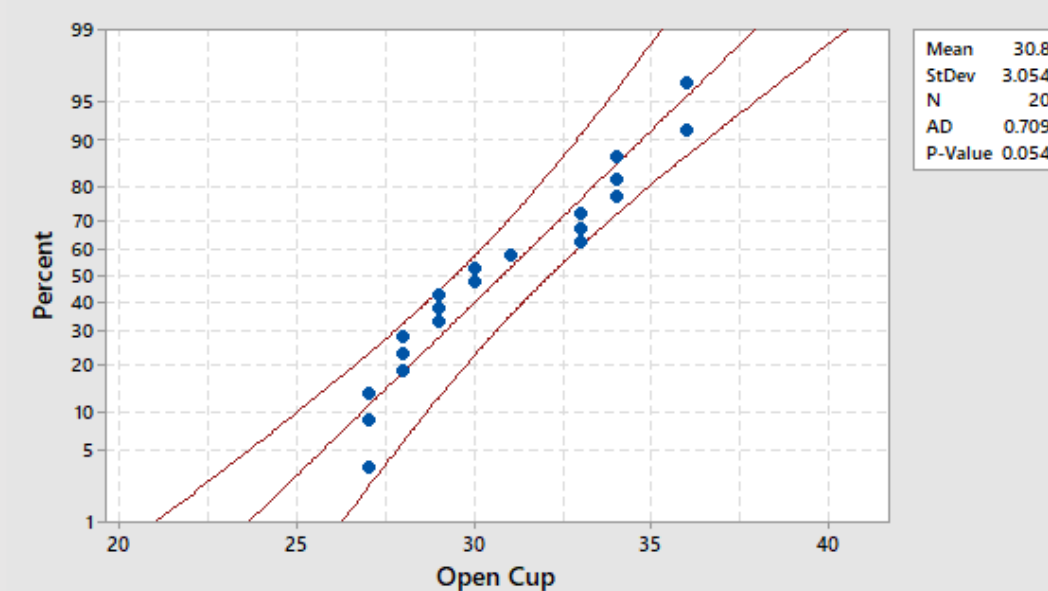
Line Plot of Mean(Filter)



Moving Average Chart of Filter



Probability Plot of Open Cup
Normal - 95% CI



About Minitab:

Minitab is a software product that helps to analyze the data. It provides a simple, effective way to input the statistical data, manipulate that data, identify trends and patterns, and then extrapolate answers to the current issues. Minitab provides a quick, effective solution for the level of analysis required in most of the Six Sigma projects.

Summary:

I have used the following function in Minitab. At first I start with the function STAT, then QUALITY TOOLS, from quality tools I choose desired diagram. From the GRAPH, I choose Scatterplot, Bubbleplot, Histogram, Boxplot etc. Then the required value is given to the right place. With this process I draw the diagram in Minitab.