

# Module: Statistics and Experimental Design

## Rubric for Minitab Assessment 1 – 28<sup>th</sup> Nov. '18

<b>Student Number:</b>	
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**Rubric:** "A scoring guide listing specific criteria for to evaluate and grade the quality of students' academic papers, projects, or assessments".

<b>Rubric for Minitab Assessment 1</b>	<b>Marks Possible</b>	<b>Marks Earned</b>
<b>Minitab Data Analysis and Graph Generation:</b>		
	<b>4</b>	
Dot plot completed for all 3 batches and accurate?	0.5	
Time Series Plot completed for all 3 batches and accurate?	0.5	
Normality Test completed for all 3 batches and accurate?	0.5	
Display Descriptive Statistics completed for all 3 batches and accurate?	0.5	
Were the 3 batches compared? Relevant tool(s) used and accurate?	2	
<b>Quality Report:</b>		
	<b>4</b>	
All Graphs <b>imported</b> into Word from Minitab with Summary.	0.5	
<b>Discussion:</b> Appropriate summary statistics are calculated and discussed which help answer the overall question of interest i.e., what is wrong with the Cornflakes production line?	1	
<b>Conclusions:</b> Conclusion clearly and correctly addresses the question of interest. Appropriate conclusions are supported by appropriate data analysis, graphs and other evidence.	1.5	
<b>Recommendations:</b> relevant suggestions for improvement are presented/discussed.	1	
<b>Total Marks</b>		
	<b>8</b>	
<b>Format of Report:</b>		
	<b>Yes/No</b>	
Title and Introduction included?		
Page numbers included?		
Table of Contents included?		
Is the critical analysis presented to a level 8 academic standard?		
Is the report written to a professional standard, at a Quality Engineer level?		
<b>Comments:</b>		