Group Project Guidelines STA323

Topic : Variable and Attribute Control Chart

For your group project you are to choose any one quality control data either attribute or variable in the web or any publication from a book, journal or annual report that you can find it through internet or library. Form your own groups of 2 or 3 people. Collectively, study your notes carefully and read chapter cover variable and attribute control chart. (Important: The subgroup number of quality control data must be more than 20). The report should be justify, 1.5 line spacing, font 11 Arial, top and bottom 1.0", left and right 1.25, gutter 0" header and footer 0.5". This project constitutes 20% of the course assessment.

For this project, you are advised to perform the following steps:

1. Introduction

- Scenario of the quality control data of interest
- Why it is important to study quality control data of interest
- Read articles published on the issue/problem identified

1. Problem Statement

- Highlight the problem and state why it needs further research / Investigation

2. Research Objectives

- To determine whether the process is in statistical control.

3. Data Description

- Elaborate the data

4. Methodology

- Explained the control chart you are going to implement on quality control data.
- Key in all the quality control data in SPSS. Analyse the data to obtain quality control chart by using SPSS. Show all the steps from SPSS to obtain quality control chart. HINT :(Prints screen including menu involved in SPSS to obtain output SPSS)
- You shall explain all steps you have done clearly. This is very important because clarity of the explanations will help you to get more marks.

5. Analysis and Result

Based on the quality control data obtained;

- Find the central line and control limit using spreadsheet. Show all the command from EXCEL and value appropriate.
- Produce control chart appropriate by using SPSS.
- Determine whether control limit should be revised or not,

6. Conclusion

- What conclusion can you conclude from your quality control graph?

Finally please submit your report before week 14.