



مدرسة القديسة مريم الكاثوليكية الثانوية - دبي
ST. MARY'S CATHOLIC HIGH SCHOOL, DUBAI

YEAR 12 – STATISTICS(Week 5)2021-2022

Subject	Mathematics(Statistics)
Class/ Section	Year 12 – Batch I, II and III
Week	26th September to 30th September
Work send to students by	Google classroom
Total number of lessons per week	3
Units	Ch 2 – Measures of Location and Spread(Unit 2.5) Ch 3 – Representations of data (Unit 3.1, 3.2, 3.3)
Lessons 1,2,3 –Live Zoom lesson along with face to face instruction for students present on a particular day Work will be assigned in Google classroom which will be matched to the student's ability.	<u>Specific Learning objectives</u> <ul style="list-style-type: none">• To understand and use coding to calculate mean variance and standard deviation for the given data.• To identify outliers in data sets. To draw and interpret cumulative frequency diagrams and to draw and compare box plots.
Tasks/Activities	<u>Specific Intended Learning Outcomes</u> Students will be able to <ul style="list-style-type: none">• decide what code is to be used to make data simpler and know the use of coding the data and hence find few examples from real life where coding is used.

- find out the reason that why we do not use addition or subtraction while decoding to get standard deviation for given data.
- Students will be able to understand that an outlier is an extreme value that lies outside the overall pattern of the data.
- Students will be able to draw a cumulative frequency diagram and box plot to represent important features of the data. Also to compare two box plots and interpret.

The Teacher would explain the use of coding in a data with examples. A recap will be done on Cumulative frequency curves and Box plots. Students will discuss and work out questions from textbook.

Complete the questions assigned from the Statistics 1 text book in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.

**Assessment Criteria/
Essential questions**

Essential Question that are according to the Pearson edexcel specification

e.g: Statistics S1-January 2011-Ques 4(Coding)
-June 2006-Ques 1(Box Plots)

For example, assessment objectives expected by the board with respect to the above question is listed below.

AO1: accurately recall facts, terminology and definitions

AO2: explain their reasoning

AO3: interpret solutions to problems in their original context, and, where appropriate, evaluate their accuracy and limitations

Resources

1. Edexcel Statistics & Mechanics Year 1/AS textbook
2. Ppt on the topic
3. <https://www.physicsandmathstutor.com>
4. <https://www.drfrstmaths.com/>