



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

YEAR 12 – STATISTICS(Week 4)2021-2022

Subject	Mathematics(Statistics)
Class/ Section	Year 12 – Batch I, II and III
Week	19th September to 23rd September
Work send to students by	Google classroom
Total number of lessons per week	3
Units	Ch 2 – Measures of Location and Spread(Unit 2.3, 2.4)
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 students ability.	<u>Specific Learning objectives</u> <ul style="list-style-type: none">• To calculate measures of spread such as range, interquartile range and interpercentile range.• To calculate Variance and Standard deviation for the given data.
Tasks/Activities	<u>Specific Intended Learning Outcomes</u> Students will be able to know <ul style="list-style-type: none">• why we use the measure of spread for a given data and where it is used in real life and to choose the best suitable measure of spread, inter-quartile range or inter-percentile range.

- Students will be able to know the meaning of variance and standard deviation and how it is useful in finding measure of spread and to know why standard deviation is a better measure of spread.

The Teacher would explain different measures of spread and method of finding IQR and IPR. Also introduce variance and standard deviation. Students will be put in breakout rooms and they will 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 Paper3-Statistics- sample assessment material 2017-Q1

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.drfrostmaths.com/>