

## **Subject Title: Introduction to statistics**

**Course Instructor: HANZLA AHMED**

**Class: BS (PA) 3<sup>rd</sup> Semester**

Lecture 1: what is statistics?

Link: [https://www.youtube.com/watch?v=zgVKJfV0C\\_k](https://www.youtube.com/watch?v=zgVKJfV0C_k)

Lecture 2: Presentation of data:

Link: <https://www.youtube.com/watch?v=NZKljIFdgPg>

Lecture 3: Measures of Central Tendency:

Link: <https://www.youtube.com/watch?v=AdH5vfobH5E>

Lecture 4: Measures of Dispersion:

Link: <https://www.youtube.com/watch?v=FVR0g7koTE4>

Lecture 5: Probability and Probability Distributions:

Link: <https://www.youtube.com/watch?v=3turgN45sI4>  
<https://www.youtube.com/watch?v=N-IVFB8Rlfo>

Lecture 6: Sampling and Sampling Distributions:

Link: <https://www.youtube.com/watch?v=cgUA9Y3KjU8>

Lecture 7: Hypotheses Testing:

Link: <https://www.youtube.com/watch?v=LSIgQH06j74>

Lecture 8: Testing of Hypothesis-Single Population:

Link: [https://www.youtube.com/watch?v=SRYV\\_65\\_g7s](https://www.youtube.com/watch?v=SRYV_65_g7s)

Lecture 9: Testing of Hypothesis-Two or more Populations:

Link: <https://www.youtube.com/watch?v=KTFm7El1NBs>

Lecture 10: Testing of Hypothesis-Independence of Attributes:

Link: <https://www.youtube.com/watch?v=N-d5UqJGPXI>

Lecture 11: Regression and Correlation:

Link: <https://www.youtube.com/watch?v=vvv9DhUrz1Y>