

# DAILY ASSESSMENT REPORT

Date:	20 <sup>th</sup> July 2020	Name:	PAVITHRAN S
Subject:	Basic statistics	USN:	4AL17EC068
Topic:	Introduction	Semester & Section:	6th B
GitHub Repository:	Pavithran		

## FORENOON SESSION DETAILS

### Image of session

The screenshot displays the Coursera interface for the 'Basic Statistics' course. The top navigation bar shows the course title and the user's name, Sushmitha R naik. The left sidebar lists the course content, including 'Course introduction', 'Data and visualisation', and 'Measures of central tendency and dispersion'. The main content area shows a video titled 'Welcome to Basic Statistics!' with a 'Download this video' button. Below the video, there are buttons for 'Save Note', 'Discuss', and 'Download'. The right sidebar contains a 'Notes' section with a 'Save Note' button and a 'Help Us Translate' link. The bottom of the screenshot shows a Windows taskbar with various application icons and the system clock indicating 17:04 on 20-07-2020.

**Course introduction**

- Reading: Hi there! 10 min
- Video: Welcome to Basic Statistics! 3 min
- Reading: How to navigate this course 10 min
- Reading: How to contribute 10 min

**What to expect from this course**

**Data and visualisation**

**Measures of central tendency and dispersion**

**Z-scores and example**

**Welcome to Basic Statistics!**

Download this video

why stats?

Save Note Discuss Download

English

Help Us Translate

**Notes**

All notes

Click the "Save Note" button when you want to capture a screen. You can also highlight and save lines from the transcript below. Add your own notes to anything you've captured.

**Requirements - What resources do I need?**

**Prerequisite knowledge**

No previous knowledge is required, just an interest in methodology and data. All you need is an Internet connection, some time and motivation. We'll do everything in our power to help you meet the last requirement, the first two are up to you!

**Reading material**

Reading material for assignments will be provided. Additional readings will be suggested during the course. These suggestions are optional and will always refer to freely available material.

Mark as completed

## **Report:**

Understanding statistics is essential to understand research in the social and behavioral sciences. In this course you will learn the basics of statistics; not just how to calculate them, but also how to evaluate them. This course will also prepare you for the next course in the specialization - the course Inferential Statistics.

In the first part of the course we will discuss methods of descriptive statistics. You will learn what cases and variables are and how you can compute measures of central tendency (mean, median and mode) and dispersion (standard deviation and variance). Next, we discuss how to assess relationships between variables, and we introduce the concepts correlation and regression.

The second part of the course is concerned with the basics of probability: calculating probabilities, probability distributions and sampling distributions. You need to know about these things in order to understand how inferential statistics work.

The third part of the course consists of an introduction to methods of inferential statistics - methods that help us decide whether the patterns we see in our data are strong enough to draw conclusions about the underlying population we are interested in. We will discuss confidence intervals and significance tests.

You will not only learn about all these statistical concepts, you will also be trained to calculate and generate these statistics yourself using freely available statistical software.