Eliya Sobhy

Instructor Name

Course Number

Date

Your feedback about the course

The nature of the data can be determined by the interferential and descriptive statistics as they provide a different insight of the characteristics. Both must be collected to access the whole picture. These statistics are helpful in delivering a potent tool for prediction and description.

I am a person, enthusiastic about numbers but have a little familiarity with coding. I took an online course of programming which inspired me to a great extent. Statistics are defined as the sets of mathematical equations which are used to analyze certain things. We stay informed about our surroundings and the progress world is making. We live in a world where the most important thing is information and it can be analyzed by the help of statistics. One should be familiar with the correct data and the main concepts of statistics. Interpretation of data has become one of the most vital field these days.

The online courses give a review about the resources, suggestions and tips for the students who take online classes for the first time so that may not suffer frustration. Both graduate and undergraduate can be benefited through the information delivered in the online courses. A course syllabus is present which informs about the topics covered in course, requirements and the assessments that are involved. To embrace essential concepts and skills, raw material is available which can help you to check your level of understanding. To get benefited by technology, introductory instructions and explanations are periodically provided.

Instructors who give online classes also provide strategies, ideas and lessons. These help students grasp the concepts quickly. For many students, the learning method is different, but this online course facilitates almost every student.

For becoming skillful in the fields of behavioral and social sciences, it is necessary to understand statistics and its applications. This course helped me understand the basics of statistics, its calculation and evaluation. It also trained me for the Inferential course. At first, I learnt the descriptive statistics which teaches how to compute dispersions, measures of central tendency, correlation and regression. Secondly, probability: calculating probabilities, probability and sampling distributions were a significant part of the course. Confidence intervals and significance test are taught for obtaining conclusion and generate statistics through different free statistical soft wares. This course was especially beneficial as it did not require any prior knowledge. All the concepts were thoroughly explained in the videos that corresponds with the handouts. Quizzes that measure knowledge were significant as they provided hints for the wrong answers.

The syllabus taught in the course was relevant to the data sciences. Contents such as genomics and other topics taught in several courses are highlighted using advanced theories. The course clarifies concepts and methodologies of statistics with the help of coding up samples mostly in R or python. Other coding languages can also be selected. However, mostly student prefer these languages. Exercise to practice coding and online simulator is available. It is essentially beneficial as it does not require students to install heavy software setups on their computers. This process of coding and simulating it is easy and fast.

The only problem I faced was the lack of interaction between the students and the instructor. Students usually feel detached and become discouraged without a consequential communication with the instructor. An instructor must be present for the interaction who can coordinate and guide the students who face some difficulty relate to the topics in the course.

For me, the overall experience was great as the fundamentals of statistics and probability were covered fully. It provided references to other books, but It did not require any books or reading material other than that.

The videos were of reasonable lengths which are easy for the students to watch and understand. For those who are interested in talking up an online course on Statistics, it is a preliminary course with no knowledge of statistics or experience related to probability required.