The Department of Mathematics
2021–22–B term

Course Name  Introduction to Statistics A

Course Number  201.1.9421


Lecturer  Dr. Matan Ziv-Av, <matan@post.bgu.ac.il>, Office  מינוס 123

Office Hours  [https://www.math.bgu.ac.il/en/teaching/hours](https://www.math.bgu.ac.il/en/teaching/hours)

Abstract

Requirements and grading

Course topics

1. Descriptive statistics: organizing, processing and displaying data.
2. Sampling distributions: Normal distribution, the student t-distribution, Chi-Square distribution and Fisher’s F-distribution.
4. Testing hypothesis about a population’s parameters: Mean, variance and proportion.
5. Evaluating the properties of a statistical test: errors, significance level and power of a test.
8. Testing for goodness of fit of data to a probabilistic model: Chi-Square test.
10. Weibull distribution: estimating the distribution’s parameters.

---

1Information may change during the first two weeks of the term. Please consult the webpage for updates