

Syllabus for Statistics INF351 (Computer Engineering)

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Week 1	Probability, random variables, and discrete probability distributions
Week 2	Continuous probability distributions, the normal distribution
Week 3	Descriptive statistics (Assignment 1)
Week 4	Statistical estimation and sampling distributions
Week 5	Inferences on a population mean (Assignment 2)
Week 6	Comparing two population means
Week 7	Discrete data analysis (Assignment 3)
Week 8	Analysis of variance
Weeks 9-10	Simple linear regression and correlation (Assignment 4)
Week 11	Multiple linear regression
Weeks 12-13	Experimental design and analysis (Assignment 5)

References

1. Probability and statistics for engineers and scientists

A.J. Hayter

Duxbury, 2nd edition

2. Mathematical methods of statistics

H. Cramer

Princeton university press

Grading

Final grade = 10% of the average grade of 5 assignments + 25% of the grade of midterm 1 + 25% of the grade of midterm 2 + 40% of the grade of final exam