

Cairo University
Faculty of Economics and Political Science
Department of Statistics

Instructor: Ahmed Mahmoud Gad
Course: Nonparametric Methods STAT402
Students: Statistics Department (Fourth Year)

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Course Topics

1. Introduction and basic concepts.
2. The one-sample location problem.
3. The two-sample location problem.
4. The More than two-sample location problem.
5. The two-sample dispersion problem.
6. The independence problem.
7. Randomization test.
8. Regression and Correlation.

Reference

1. Conover, W. J. (1980) *Practical Nonparametric Statistics*, 2nd Edition, Wiley.
2. Hollander, M. and Wolfe, D. A. (1999) *Nonparametric Statistical Methods*, Wiley.

Course Grading

The total course grade (30 marks) is distributed as:

Projects and Quizzes: 5 marks

Midterm: 5 marks

Final Exam: 20 marks

Room: # 65 on the 2nd floor

Office Hours

Wednesday: 9:00 – 12:00

Thursday: 9:00 – 12:00