

Tentative List of Research Courses in Statistics

1. Linear Models
2. Large Sample Statistical Methods
3. Measure Theoretic Probability
4. Applied Stochastic Processes
5. Statistical Inference
6. Regression Techniques
7. Multivariate Analysis
8. Time Series Analysis
9. Nonparametric and Sequential Analysis
10. Survival Analysis
11. Statistical Computing
12. Applied Multivariate Analysis
13. Theory of Games and Statistical Decisions
14. Advanced Design of Experiments
15. Analysis of Discrete Data
16. Advanced Sample Surveys
17. Statistical Methods in Genetics
18. Pattern Recognition and Image Processing
19. Analysis of Directional Data
20. Bayesian Inference<sup>1</sup>
21. Asymptotic Theory of Inference
22. Martingale Theory: Application to Survival Analysis
23. Effective Computing in Quantitative Research
24. Graph Theory
25. Machine Learning: Theory and Practice
26. Data Science

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<sup>1</sup> Items 20-26 approved in the 65<sup>th</sup> meeting of the Academic Council, held on November 30, 2017