

# Introduction and R Basics

STA35A: Statistical Data Science 1

Jingwei Xiong

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# Summary

- Course overview
- Course logistics
- Install R and R studio
- Knit your first R markdown file

# Statistical data science

- Statistics is the study of how to collect, analyze, and draw conclusions from data.
- Data science is typically thought of as an interdisciplinary field, combining statistical thinking with elements more traditionally thought of as coming from other fields, such as programming, database management and optimization.
- There is a stronger focus on the practical aspects of working with data, in particular computing, as well as applications in different domains, such as the sciences, business, sports, and government.
- This is a course on introduction to data science, no prior programming experience needed. However, we will focus on R programming.