

Instructor. Daniel J. McDonald

Time and place. Tue/Thu 1430h - 1600h, ESB 4192

Website. <https://stat550-2021.github.io>

Prerequisites. Must be Statistics MSc or PhD Student

Course description. This graduate-level course is designed to serve two overlapping purposes: (1) help students prepare for the Consulting Practicum Course (STAT 551) and/or work with ASDa and (2) give students appropriate professional skills for research, thesis writing, other projects. The major goals are to

1. Read, understand, explain academic statistical concepts to non-statisticians
2. Give high-quality presentations
3. Convert subject-matter questions into statistical ones.
4. Communicate statistical conclusions carefully and rigorously, in writing and presentations
5. Use reasonable statistical workflows
6. Conduct quality computer experiments
7. Use version control effectively
8. Write verifiable, reproducible code

Textbook. None.

Assessment. Group case reports; individual presentations; individual case report; peer evaluations; professionalism.

COVID-19 accomodations. The Term will begin online, at least until 24 January.