STAT 460/560 - Statistical Theory I
University of British Columbia

Fall 2021 (September - December 2021)

Course Description

Statistical theory relates to methods for statistical-decision problems and for statistical inference. The course will use tools from mathematical statistics, probability theory, and optimization to provide a framework for the study of statistical theory and practice.

Prerequisites

MATH 320; STAT 305 are recommended. For others, consult the instructor.

Audience

Intended for Honours and graduate students in the mathematical and statistical sciences.

Course Resources

Textbook

There is no textbook required for the course. Lecture notes will be posted on Canvas.

Computing

There will be some computing components for the assignments, and some numerical methods during lectures may be demonstrated using the free statistical software `R`. You are encouraged to download the software along with an appropriate integrated development environment such as `RStudio`.

Teaching Team

Instructor

Instructor Name: Ruben Zamar (ruben@stat.ubc.ca)
   Teaching Assistant: Anthony Christidis (anthony.christidis@stat.ubc.ca)

The contact information of the teaching assistants (including the Zoom meeting IDs, passwords, and the further information) is available on *Canvas*.

Office Hours

The office hours information is available on *Canvas*.

Lectures

The lectures will be delivered online at the official lectures times (Mon/Wed/Fri 11-12). To accommodate students in different time zones, the lectures will be recorded and posted on *Canvas*.