

STAT 305

2021-2022 – Term 1

- Instructor:** Alexandre Bouchard-Côté
- Prerequisites:** Either (a) one of STAT 200, STAT 203, BIOL 300, STAT 241, STAT 251, COMM 291, ECON 325, FRST 231, PSYC 218, PSYC 366, and one of MATH 302, STAT 302; or (b) a score of 65% or higher in one of MATH 302, STAT 302. The Department recommends that students meet the prerequisite through option (a).
- Description:** Review of probability theory. Sampling distribution theory, large sample theory and methods of estimation and hypothesis testing, including maximum likelihood estimation, likelihood ratio testing and confidence interval construction. [3-0-1]
- Textbook:** Obtain a paper copy of the course pack “STAT 305, Introduction to Statistics Inference” by Welch, W.J. from the UBC bookstore (it can be delivered internationally, order on the UBC bookstore website).
- Classes:** The Department of Statistics picked a subset of courses for which the lectures will be held online this Fall, to provide a flexible offering to students. STAT 305 this Fall is one of them, i.e. the lectures will be over zoom and recorded. Lectures will be offered at the scheduled time MWF 4:00 – 5:00. Each class (with the exception of the first one, which is about logistics) will have an in-class activity with clicker questions.
- More information:** canvas.ubc.ca and first lecture (recorded and will be available on canvas)