

Statistical and Related Background Assumed for the Honours Statistics Stream

The Honours statistics stream in first semester can be daunting for students, especially if it's been a while since they took a statistics course or if their undergraduate program did not provide them with much background in this area.

This page describes the level of knowledge we assume students have when they enter our Honours program. If you are missing or have forgotten any of these elements, you may wish to enhance your knowledge before the academic year begins.

Assumed Background

Topic:	Knowledge:
Significance tests	Familiarity with the concepts and, specifically, the t-test and F-test
Confidence intervals	At least some familiarity with the concepts
ANOVA	Some familiarity with at least two-way factorial ANOVA and repeated-measures ANOVA
Regression	Some familiarity with multiple regression
SPSS	Some experience with SPSS, preferably sufficient to run an ANOVA and a regression analysis, and interpret the output