

STA221H1S – The Practice of Statistics II - Summer 2017

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Office Hours Tuesday and Thursday 18:10-19:00
Office Office hours held in SS1071
Course Website <http://portal.utoronto.ca>
Github <http://github.com/sta221-summer-2017>

General Information

The course website will be an important source of official news and information. Lecture materials will be placed on Github.

This course is a “continuation of STA220H1 (or similar course), emphasizing major methods of data analysis such as analysis of variance for one factor and multiple factor designs, regression models, categorical and non-parametric methods.”

The course is based on the lectures. I will provide readings throughout the course that will also be a source of practice problems. The most common source will be “Stats: data and models” by de Veaux et al., Second Canadian edition. You are welcome to track down this book and purchase it if you like, although we won’t use too much of it. There are many other intro to stats books that are also decent resources.

Topic	Course readings chapters
Review of important concepts typical of a prerequisite	
Goodness-of-fit testing	23.1 to 23.5
Simple regression	24.1 to 24.5
Logistic regression	24.6
Analysis of designed experiments	25.1 to 25.5
Experiments with more than one factor	26.1 to 26.3
Regression with more than one input variable	27.1 to 28.5
Nonparametric statistics	29.1 to 29.5

Given the nature of a summer course we may not be able to cover all of these topics.

Evaluation

The grading scheme will be as follows:

- **25% – Term Test I** – 1h 30min minute term test held on 2017-07-18 from 19:10 to 20:40.
- **25% – Term Test II** – 1h 30min term test held on 2017-08-03 from 19:10 to 20:40.
- **50% – Final Exam** – Held during the exam period and will cover the entire course.

Missed Term Work

You should not tests when you are sick. It is far, far better to miss a test with some documentation than it is to write a test in the middle of an illness and ask for special consideration after the fact. Use the Faculty term work petition system for these situations.

Missed term work due to any other reason will require similar, if not more stringent documentation.

The weight of any missed term work will be given proportionately to the other components of the final grade.

Reviewing Marks

It is very important that your work be evaluated fairly. The instructor is committed to ensuring that a fair evaluation takes place, from the setting of test questions, to the time you are given to complete the work, to the physical environment in which the evaluation takes place, and to the marking of the work itself.

Your term work will be returned to you in class. You are allowed to have your marks reviewed if you believe there has been an error made. For this course you must follow the following procedures:

1. Make sure the total mark you received is the sum of the marks awarded per question and that all work was marked. If not, you must notify the me immediately to have the error corrected.
2. If you disagree with the number of marks awarded return your work to me with a **brief written** description of the issue.

All matters relating to the final exam fall under the jurisdiction of the Faculty itself. Consult its regulations for further details.

Computing

It will not be possible to be successful in this course without the use of a computing environment for the analysis of datasets. The officially supported environment is R. Extensive instructions are on the course website on how to get yourself set up.

If you use some other computing environment, I can try, but I may not be able to assist you if you run into trouble.