

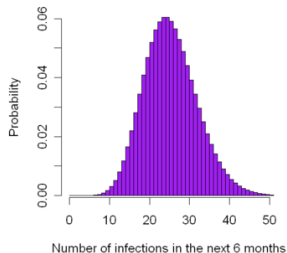
STAB22

Introduction to Statistics

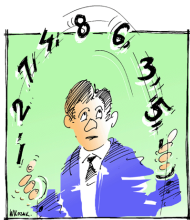
Olga Chilina (section 1) Srishta Chopra (section 2 and 3)
Ken Butler (course coordinator)

Winter semester 2015

What Statistics is



- Data: collecting, organizing, interpreting.
- Understand world, choose how to act.
- Separate sense from nonsense.



- Learn about most important concepts and techniques in statistical work.
- Provides understanding of use of Statistics in your own field.
- Gain **understanding** from data.
- From data through analysis to conclusions.

What to expect



- Learn concepts, their interrelationships.
- Some calculation.
- Interpretation of software output.
- As little math as we can manage!



- Olga Chilina, email olgac@utstat.toronto.edu
- Office: IC 469
- Office hours: Wednesday and Friday, 11:00–12:00.



- Srishta Chopra, e-mail srishta.chopra@gmail.com. (That is Srishta's husband on the left.)
- Office: IC 469
- Office hours: Tuesday and Thursday 8:00–9:00am, Friday 16:30–17:30

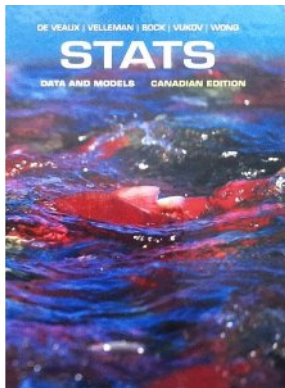


- Ken Butler, e-mail butler@utsc.utoronto.ca. (That is Ken's daughter on the right.)
- Office: IC 471
- Office hours: Monday 12:00–13:00, Thursday 14:30–15:30 or by appointment.
- If you have issues with the administration of the course, raise them with course coordinator.

- When sending e-mail to an instructor, use your U of T e-mail address.

This course

- 2 lectures a week.
- 1 tutorial a week, starting **next** week.
- Tutorials: help practice what you learned, also **quiz**.
- Assigned problems (not graded, but see “bonus assessment” later).
- Midterm and final exams, **multiple choice**.



- Stats: Data and Models
- DeVeaux, Velleman, Bock, Vukov, Wong
- Canadian edition, publ. Pearson Canada



- We use StatCrunch software (on web).
- Requires access code (comes with text or can buy separately).
- Better tested than Excel, easy to learn.
- I show you what to do.
- Learning StatCrunch enables you to analyze realistic data.
- You will need to interpret output from StatCrunch.

Item	Percent of grade
Quizzes	20%
Midterm exam	30%
Final exam	50%

Usually 20%–25% A's in the course. Less than 5% of all students who complete the course work fail.

Missed assessment: get *documentation* (eg. doctor's note).

Notation -1 appears in Blackboard: this means "missed with documentation".

- in each tutorial, starting week **3**. Cover material up to 1st lecture of previous week.
- 10 quizzes, best 9 count for your grade.
- Intended to be straightforward if you are keeping up with material.
- During quizzes, you can refer to your notes and/or the textbook.

- “WebWork”: Free web-based problem sets with instant feedback.
- Access with UTorID and password.
- If get correct more than 60% of all WebWork problems, get 2-point bonus on final grade.
- Details to access WebWork later.

The exams

- *Multiple choice*, about 40 questions (midterm), 60 (final).
- Allowed “cheat sheets”: 1 for midterm, 2 for final, but no other books/notes.
- You'll need a *calculator*. One like this is fine:



- There are **no** makeup exams or quizzes.
- **With documentation:**
 - missed quizzes ignored in calculation of average.
 - weight of missed midterm exam taken on final exam.
- Without documentation: any missed work scores 0.
- You might see notation “-1” in Blackboard to reflect an assessment missed with documentation.
- Documentation must be received by your instructor (exams) or TA (quizzes) *within 10 working days* of the date that the assessment was missed.

- Parts I–VI (Chapters 1–25 or so) of the text:
 - Exploring and Understanding Data
 - Exploring Relationships between Variables
 - Gathering Data
 - Randomness and Probability
 - From the Data At Hand to the World At Large
 - Learning About the World
- One chapter per lecture.
- Lectures have only time for highlights. **You must read the textbook.**

Facilitated Study Groups

- These weekly study sessions are open to everyone in the class.
- Attendance is voluntary, but students who attend regularly often earn higher grades.
- Please be sure to fill out the survey in the first week of class to help ensure the study groups are scheduled at optimal times.
- If you have any questions, please ask your facilitator, or visit the FSG website at <http://ct1.utsc.utoronto.ca/home/fsg>.

Frequently asked questions



Currently living at:

<http://www.utsc.utoronto.ca/~butler/b22/faq.html>

Check before you ask your instructor.

at <http://www.utsc.utoronto.ca/~butler/b22>

- Coordinator's announcements go there.
- Quiz marks go on **Blackboard**.
- If you're in one of Srishta Chopra's sections, her course website is at <http://stab22winter2015.wordpress.com/>.
- If you're in Olga Chilina's section, look on Blackboard for information particular to her section.

Academic integrity

- Read and understand <http://www.utoronto.ca/academicintegrity/>
- Academic dishonesty devalues *your* degree *and* those of *all* other students.
- Cheating and plagiarism taken very seriously.
- Examples of academic offences:
 - Using someone else's words/ideas without acknowledgement.
 - Obtaining or providing unauthorized assistance on a quiz.
 - On quiz/test/exam, looking at someone else's answers or *allowing someone else to look at yours*.
 - Pretending to be someone else.
 - Falsifying or altering required documentation (eg. doctor's notes).
- Penalties include (depending on severity) a mark of zero for the work concerned, a mark of zero for the entire course, or suspension/expulsion from the University.
- Also: <http://academicintegrity.utoronto.ca/>.

Accessibility statement

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services Office as soon as possible. I will work with you and AccessAbility Services to ensure you can achieve your learning goals in this course. Enquiries are confidential. The UTSC AccessAbility Services staff (located in S302) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations: (416) 287-7560 or by e-mail as below.

`ability@utsc.utoronto.ca`