

Welcome to

STAT 251

Elementary Statistics

2022 Winter Term 1
(September -December, 2022)

STAT 251 – Winter Term 1 - 2022

- **Lectures:** in-person
- **Class time:** 8:00am-8:50am (Mon, Wed, Fri)
- **Class Room:** CIRS 1250

Instructor Information:

Instructor: Dr. W.A. Lasantha Premarathna

Email: wpremara@stat.ubc.ca

Instructor Office Hours:

- **Online office hour:** 10:00am - 11:00am on Wednesday
(Zoom link can be found through the zoom tab) – start from the second week
- **in-person:** Just after the class on Monday, Wednesday & Friday (around 30 minutes each day).
I will leave if there are no students to ask questions.

Course Information

Course Website: canvas.ubc.ca

- Please check the **Canvas** website regularly to keep up-to-date with the course. Everything you need will be available through Canvas and you should get familiar with all the tabs as soon as possible.
- If you have any problems related to technical issues, please use **?Help** (see the left side menu in the Canvas course page) to report the problem or to contact IT service.

Textbook is free

- can be downloaded from Canvas
- solutions (available only for selected problems) are also posted on canvas page

Course Information

WeBWork online homework: You can access through Canvas course page starting from second week of classes. Please go to "WebWork" in the left menu in the Canvas course page

Labs: Labs are in-person.

Lab assignments start the second week of class. Pre-reading for Labs will be posted on Canvas page Please read more information about lab under “Labs” in Canvas course page.

Crowdmark: Crowdmark is an online grading and analytics application. You need to submit (upload) your answers to assignments in **Crowdmark**. Graded assignments will also be available approximately one week after the due date.

Course Information

iClicker Cloud:

- We will be using iClicker Cloud in lectures. iClicker Cloud is a response system that allows you to use your own computer or mobile device to respond to questions posed by instructors during class, and you will be graded on your participation and performance.
- Set up an iClicker Cloud account and add STAT 251 as a course to this account. To do so, please follow <https://lthub.ubc.ca/guides/iclicker-cloud-student-guide> for details.
Set up iClicker account before the next class

Course Information

Piazza Discussion

You can use "Piazza Discussion Board" to post your questions. This is where you can discuss ideas, strategies, and resources for solving the problems with your classmates. Please **DO NOT POST ANSWERS** to the questions in the WeBWork assignments/written assignments and Labs before the due date.

Bonus Points: The 10 students that have answered the most statistics-related questions in a way that explains concepts well but does not reveal the answer to an assignment, lab, or webwork question will get a **bonus 1%** added to their grade.

TA Office Hours (Online/in-person)

- TA office hours starts from **Monday, September 12** and office hours schedule will be posted on Canvas page
- Online office hours will be held using Zoom. Zoom link is found through the zoom tab.

Course Assessment

Assessment	Date	Percentage
Class question (iClicker Cloud)	in-class	5%
WeBWork(x10)	See the schedule in canvas page	10%
Labs (x8)	See the schedule in canvas page	8%
Written Assignments (x2)	See the schedule in canvas page	10%
Midterm	Wednesday, October 26 (8:00am – 8:50am) in-class exam	22%
Final Exam (must pass the final exam to pass the course)	To be scheduled by Classroom Services. Exam schedule is released about 3 weeks before exams Exam period: December 11-22	45%

Check the course website regularly!

- Course outline is posted online
- Class info & class files are uploaded on Canvas page
 - annotated notes will not be posted
- Check for Canvas announcements

Missing class/lab/midterm

- **Missing class?** 4 clicker sessions with your lowest iClicker grades will be dropped. These are either 4 missed iClicker sessions or the 4 iclicker sessions with your lowest grades. You do not need to contact the instructor if you miss class, these concessions will be made by default.
- **Missing lab?**
- **Miss midterm ?**
There will be no make-up exams

Late assignment policy

- No late assignment accepted

Covid Safety in the Classroom

- Please read more information given at the Canvas course page
- **Seating in class:**
To reduce the risk of Covid transmission, **please sit in a consistent area** of the classroom each day. This will minimize your contacts and will still allow for the pedagogical methods planned for this class to help your learning.

Covid Safety in the Classroom

If you do miss class because of illness:

- Make a connection early in the term to another student or a group of students in the class. You can help each other by sharing notes. If you don't yet know anyone in the class, post on the discussion forum (Piazza) to connect with other students.
- Consult the class resources on Canvas.
- Use the online discussion forum (Piazza) for help.
- Come to online/in-person office hours (instructor and Tas)

Covid Safety in the Classroom

If I (the instructor) am sick:

I will do my best to stay well, but if I am ill, develop Covid symptoms, or test positive for Covid, then I will not come to class. If that happens, here's what you can expect

- If I am well enough to teach, but am taking precautions to avoid infecting others, we may have a synchronous online session. If this happens, you will receive an announcement in Canvas telling you how to join the class. You can anticipate that this would very likely be a last minute email.
- You may receive a message from me with a recording of the lecture material for you to watch on your own time.
- My colleague might substitute for me for in-person classes

Teaching Strategy

Solutions to activities, course note examples, etc:

- Are available on Canvas Course Page
- To do well, you are expected to use this material

How can I succeed in this course?

Short exercise:

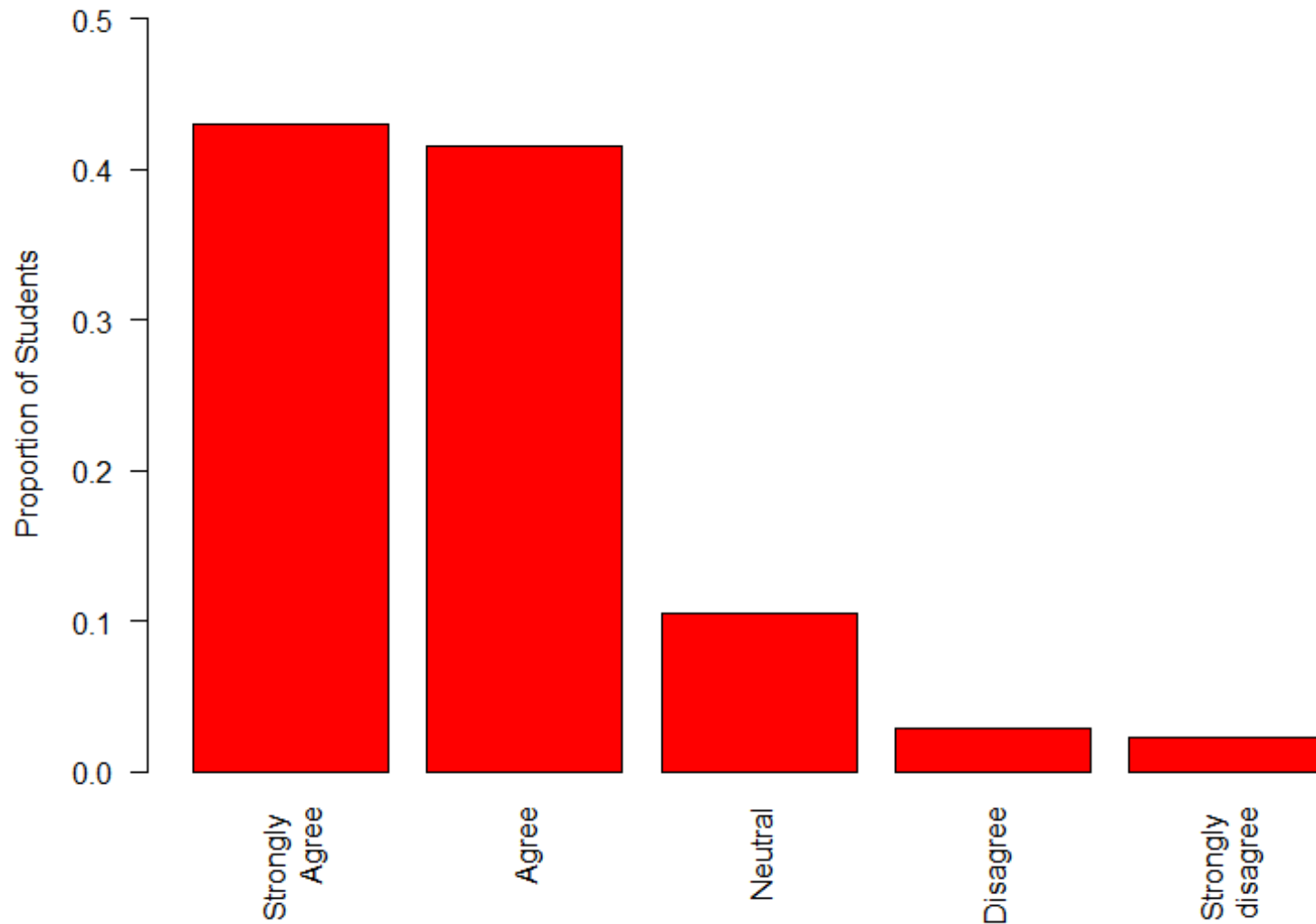
1. Think of something you are really good at
2. Write it down
3. In one word, describe how you got good at it

Practice

General class philosophy

- This material is challenging, and involves more than just memorizing...
- You will be expected to think and analyze new situations
- To be good at this, you need *practice* and *feedback*, which is how we will spend some of our class time through worksheets and clicker questions

**in-class activities and iClicker questions were
useful to your learning in this course**



Data collected in 2018,2019 2021,2022 from STAT 251 classes; Total responses = 1578

Expectations

- Most students are capable of succeeding in this class – this means you!
- I will try to create a course that facilitates your learning; **you** need to **participate**
- If you would like to do better, ask “Am I...
 - Coming to class (w/ clicker) and **actively** participating?
 - Reviewing your class notes?
 - Doing all HW on time?
 - Trying to understand the material, not just “get it done”?
 - Asking questions when confused

Academic Integrity: Class Policies on Exams and Assignments

Exams:

- The exams are in-person.

Assignments/Canvas quizzes/WeBWork/Labs:

- Discussion of ideas learned in class is encouraged (with other students, TAs or the instructor). This helps the learning process. But individual work turned in by each student should be your own work. Do not copy or paraphrase solutions from other students or from other sources. Do Not provide your solutions to another student. Failure to comply with these rules will result in an automatic 0 for your work, and additional academic penalties.

Using Technology : Use R for Labs

- R is a **free** software environment for statistical computing and graphics
- It runs on Windows, Mac, Linux
- R is extensible; can be expanded by installing “packages”
- **R** is command-line driven
- **RStudio** is a open source integrated development environment (IDE) with a powerful and productive user interface for R

➤ **How to get R**

- Google it “Download R”
- **R** : <https://www.r-project.org/>
- **R Studio** : <https://www.rstudio.com/>

➤ **Help on R**

- Quick start for R
<http://www.statmethods.net>
- A R reference card from CRAN
- And more....

To do before next class

- Visit CANVAS course website: **canvas.ubc.ca**
- Read syllabus
- Look at review materials on CANVAS

QUESTIONS ?