

# MATH 1051H-A: Lecture #01

# Welcome Information

# Contact Details

- **Me:** Dr. Wesley Burr
- **Email:** [wesleyburr@trentu.ca](mailto:wesleyburr@trentu.ca) (only for important, personal issues!)
- **Office:** GCS 335
- **Office Hours:** Fridays, 1000-1150
- **Workshop Assignments:** **very important** that you know your section!

# Digital Tech & Links

I believe in the power of technology to make teaching and learning easier. So we're going to use quite a bit of it in this class.

- **Blackboard**: official grades, class-wide communications, paper assignment postings (1 assignment)
- **WeBWork**: most of your assignments (digital)
- **Chat (Slack)**: asking questions, communicating, sharing
- **rstudio.cloud**: learning to **do** statistics and data analysis (2 assignments)

# WeBWork

- <http://webwork.trentu.ca/>
- Demo was done in workshop on Thursday
- First assignment will go live this evening
- Multiple attempts (**varies** by question)
- Assignments due throughout term

# Chat Interface

- persistent
- multiple user
- replaces email
- where the TAs and professors will spend time outside of class & office hours
- <http://webwork.trentu.ca/chat/>

# RStudio

The **R** programming language and interface is **the** language of statistics in the 21st century.

- MATH 1051H is not a traditional mathematics course
- Statistics blends mathematics, computer science, data analysis, data science, and philosophy
- You will be learning to do **data analysis** using **R** in this class
- <http://rstudio.cloud/> (login with your Trent-Google account)

# Let's Do Something Fun

Load up a web browser, and go to:

[http://bit.ly/MATH1051\\_LecDemo\\_1](http://bit.ly/MATH1051_LecDemo_1)

... I'm going to alt-tab now!



# And - We're Back!

Now I'd like to go over the course with you.

- Lectures: 2 + 1
- Workshops: 1 hour, Thursdays

# Texts & Software

- OpenIntro Statistics (free, or \$16)
- Book of R: excellent reference for shelf, not required (about \$45)
- Calculator: anything goes, Casio FX-991 recommended (bookstore)
- R & RStudio: free!

# Things Worth Marks

- WeBWork2: 10%, lowest dropped
- R Assignments: 2, 15% each (weeks 4 and 10, tentatively)
- Theory Written: 10% (week 12)
- Midterm: 15%
- Final Exam: 35%

# How to Get Help

- Slack: regular office hours, schedule posted next week
- [MATH1051HELP@trentu.ca](mailto:MATH1051HELP@trentu.ca) - **admin and course matters**
- TAs in Workshop: weekly
- Help Centre Hours (GCS): posted in week 3, dedicated MATH 1051H slots
- TA In-Person Office Hours: TBD
- My Office Hours: Fridays, 10-12, GCS 335

# Some Final Thoughts

Final note: our class runs Thursday-Wednesday. So each "week" is actually wrapping around a weekend. This messes things up a **lot**.

- still trying to decide when (day, time) to make assignments due; will announce via Blackboard this weekend
- first assignment will be posted tonight, due in 7+ days
- only requires readings from textbook, and Wednesday's lecture will also cover the material