

EPIB 613 COURSE MATERIAL

- Fall 2020
- Yi Lian

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Lecture_1.

1. Course walkthrough

Logistics

- Location:
 - <https://mcgill.zoom.us/j/95067591586?pwd=aFc0dDg3REpucWdocGtubXh6QXU0dz09>
 - Meeting ID: 950 6759 1586
 - Passcode: 6132020
- Time: Fridays, 11:35-12:55
- Credits: 1
- Assignments: 3
- Contact: yi.lian@mail.mcgill.ca
- Office hours: by appointment

Objectives

- R programming
- Hands-on data management and analysis
- Preparation for other courses

Evaluations

- Pass/fail
 - Attend*
 - Participate*
 - Do your assignments
 - Submit via myCourses
 - **Must be in PDF format**
 - Code can be similar but written responses must be your own
 - Late assignments will be penalized by 10% per day

Zoom lectures

- Please mute your microphone
- Please raise hand for questions and comments
- Lectures will be recorded and posted on myCourses
- A second device and/or a second screen is recommended
 - One for viewing the lecture and the other for running your code

A few notes

- Be patient
 - with yourself, with R, with me
- Don't panic
 - I am always available
 - The [unofficial_course_TA](#) is always available
- Reproducibility
 - Annotate
 - Markdown

2. R and Rstudio

- R Console
 - It can do everything
 - Not very handy
 - Like most programming languages, people use an integrated development environment (IDE)
- Rstudio
 - The go-to IDE for R
 - A lot can be done through mouse-clicking
 - Cheatsheet <https://github.com/rstudio/cheatsheets/raw/master/rstudio-ide.pdf>

3. R Markdown

- A sample answer for your assignment
- Cheatsheet <https://github.com/rstudio/cheatsheets/raw/master/rmarkdown-2.0.pdf>

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