

BMI 881

Biomedical Data Science Scholarly Literature

kbroman.org/BMI881

Karl Broman
kbroman.org

Goals

- ▶ Read and discuss a bunch of journal articles
- ▶ Critical evaluation of articles
- ▶ Practice talking about data science
- ▶ Get to know each other

Responsibilities

- ▶ Read the papers in advance
- ▶ Arrive on time
- ▶ Participate in the discussions
- ▶ Let me know if you need to miss a class
- ▶ Tuesdays:
 - 2-paragraph summary of papers to be discussed that day
 - Plus 2 or more questions for discussion
- ▶ A couple of other written assignments during the semester
- ▶ Do not use generative AI (such as ChatGPT) for the article summaries or other written assignments.

Tuesday summaries

- ▶ One paragraph summarizing the work
- ▶ One paragraph with your reaction
- ▶ Two or more questions for discussion
- ▶ Do not use generative AI (such as ChatGPT)
- ▶ Posted someplace that I can get them:
 - Blog
 - Github repository
 - Box or Dropbox or Google Drive folder
 - Email them to me (least preferred)
- ▶ Post by 8:00am each Tuesday

COVID-19

- ▶ The course will be in-person in 5621 Morgridge Hall
- ▶ COVID-19 vaccination is strongly encouraged
- ▶ Use of a high-quality mask (N95 or KN95) is strongly encouraged
- ▶ If you have COVID-related symptoms, please stay home
- ▶ If you need to miss class, [email me](#)
- ▶ If we need to move online (or hybrid), there is a zoom link at the Canvas site for the course

Office hours

- ▶ by appointment
- ▶ 5665 Morgridge Hall
- ▶ or Zoom: https://bit.ly/broman_officehrs

Norms for discussion

- ▶ Presume positive intentions
- ▶ Engage respectfully
- ▶ Listen attentively
- ▶ Aim for equal participation
- ▶ Respect boundaries
- ▶ Provide evidence

How do you read a journal article?

How to acquire a journal article

- ▶ Search [Google Scholar](#) and click “All _____ versions”
- ▶ Install the [unpaywall browser extension](#)
- ▶ Find the article via the [UW-Madison Library site](#)
- ▶ Paste `ezproxy.library.wisc.edu` into the URL for the article
- ▶ Use the [UW-Madison VPN](#)
- ▶ [Sci-Hub](#) provides pirated versions of many journal articles
([not](#) acceptable)
- ▶ I'll post PDFs on the [Canvas site](#)