BMI 881

Biomedical Data Science Scholarly Literature

kbroman.org/BMI881

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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

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COVID-19

- ► The course will be in-person in 5530 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