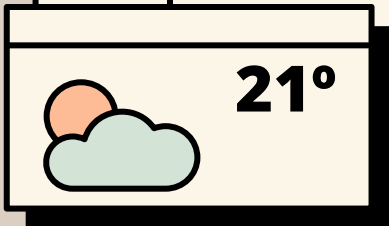
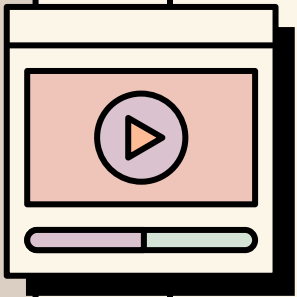


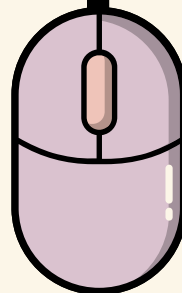
GWC-CU Intermediate Python



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Lecture 4 | Fall 2023

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**01** **Let's catch up!**  
Week 3 reviewing

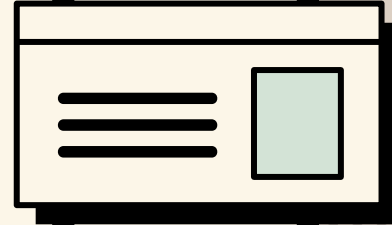
**02** **Lecture**  
Web scraping

**03** **Project time!**  
Independent work time

**04** **Wrap up**

# Classroom Agreements....

- Don't be afraid to ask questions/for help!
- Be considerate of everyone else!
- Be respectful and supportive of your classmates to ensure class is a safe learning environment!



01

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# Week 3 Review



Let's see what we need to explain better :)

slido



Which of these are  
examples of categorical  
data?

① Click **Present with Slido** or install our [Chrome extension](#) to activate this poll while presenting.

slido



Given a DataFrame df, how do we access the row with index 'row\_1'?

① Click **Present with Slido** or install our [Chrome extension](#) to activate this poll while presenting.

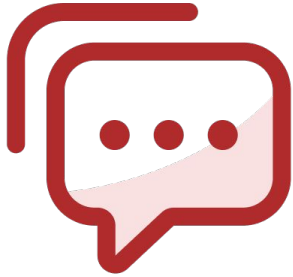
slido



Given a DataFrame df, how do we drop the rows where all values are NaN?

① Click **Present with Slido** or install our [Chrome extension](#) to activate this poll while presenting.

slido



# Audience Q&A Session

① Click **Present with Slido** or install our [Chrome extension](#) to show live Q&A while presenting.



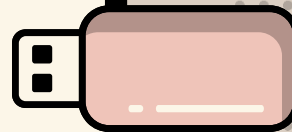
02

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# Lecture



Web scraping





# Today's Topics



**HTML basics**

**Inspecting  
the web**

**Beautiful  
Soup**

**Regular  
Expressions**

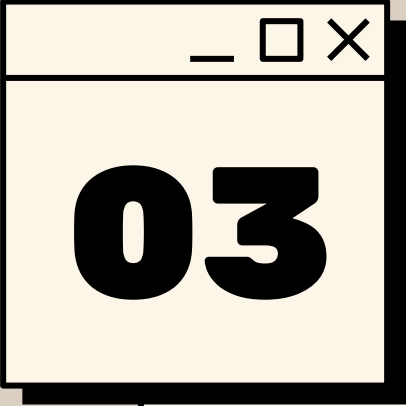
**Organizing  
data**

**Exporting  
data**



# Workshop with the teachers!

- Feel free to ask any questions in the chat at any time!
- These resources will be shared with you at the end of the session
- **Reminder: NO QUESTION IS STUPID**
  - If you are unsure about a concept, you're not alone.
  - You are here to learn and we are here to maximize your learnings :)



03

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# Project Time!



Choose a web page, retrieve some nice data and present it on Slack!



# Today's Exercises



**Choose a  
web page  
you like**



**Web scrap it!  
(only a  
specific  
part)**



**Post on Slack  
(charts  
welcome!)**

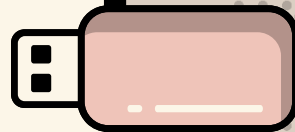
04

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# Wrap Up



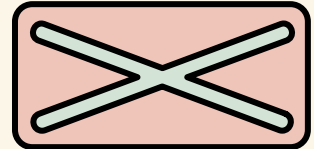
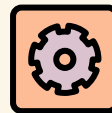
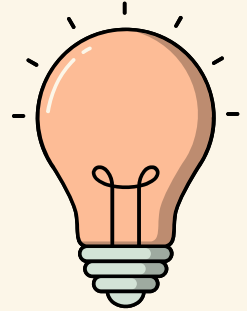
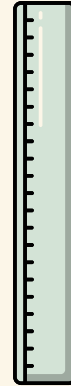
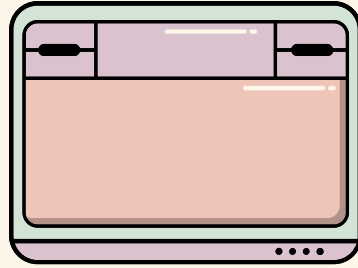
Personal Projects

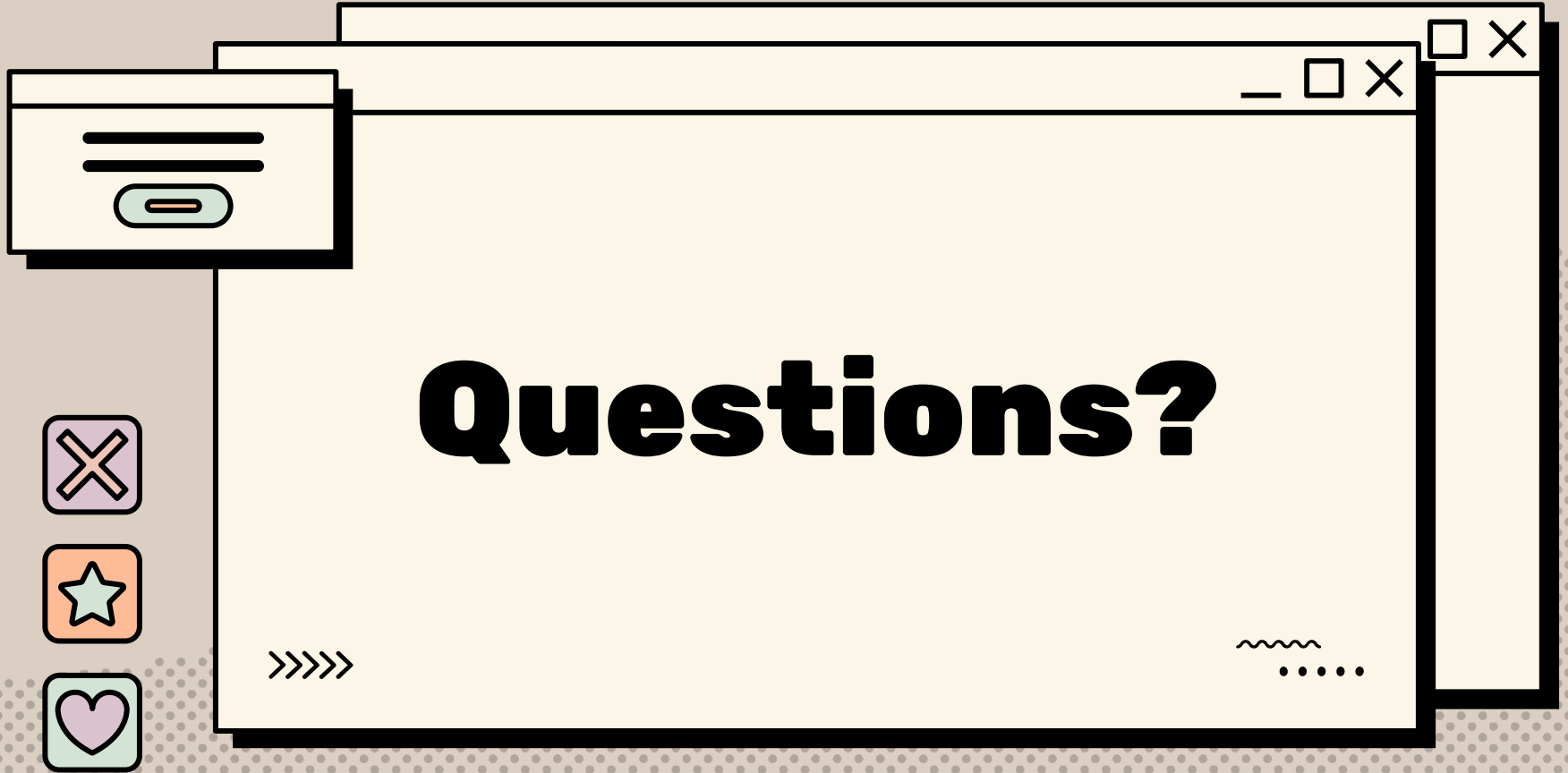


# Wrapping Up...

- We reviewed some **web scraping fundamentals** today!
  - HTML Basics
  - How to inspect a web page
  - BeautifulSoup
  - Regular Expressions
- Now it's **your turn to share your project** using web scraping!

Don't forget your teachers are available to help you if needed :)







# Exit Ticket!

- Please complete before you leave
- Completely anonymous!

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