CSS01 – NumPy

John Serences, jserences@ucsd.edu

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Updates:

- All in-class code and lecture slides can be found on GitHub
  - https://github.com/JohnSerences/CSS01_W2020

- Final is due Weds 03.18.2020 @ 8AM

Final exam

- **Academic Integrity on the final: while I encourage you to study the lecture notes and previous problem sets together in groups to help each other out, *you must work on the final exam questions on your own.***

- **Read directions carefully.**
- **Importing modules: For the final, you may import "pandas" and "files" (from google.colab) and "random".**
- **Do not use functions from any other libraries.**
  - **One exception is uploading and reading in csv/json files – if you do use another module for this, please comment the code carefully**

Final Exam

- Due 03.18.2020

- Email us your .ipynb file, go to colab, file menu, “Download .ipynb”.

- **Important: the subject line in the email should be “Final Exam CSS1”. With Final then space then Exam then a space then CSS1.**
  - **The TAs will set up an email filter to sort all of these emails, so this step is critical to make sure that your exam is turned in.**

- **You must also send a copy of your final to me at jserences@ucsd.edu by the due date/time.**

Q2B on final

- Use sample standard deviation…
- N-1 in the denominator (not N)

Q5 on final

- For mean temp deviation, can use either the GCAG or the GISTEMP data sets (or you can use the mean of the GCAG and the GISTEMP data).

- Important: just tell us, in a comment or markdown cell, what you are doing so that we know your thought process!

Piazza + Canvas

- Please make sure you are monitoring Piazza
- I am trying to dual-post important general answers on both piazza and canvas, but its much easier and faster to respond on piazza
- I am responding to specific questions as soon as I can, and if I think the question is of general interest, I am posting a pinned note
- Example: Q3 and RMSE…

Pandas and moving average (Q4c, 4d)

- As mentioned in class on Monday, there are many ways to implement this kind of function…
- Questions about using pandas.rolling() method (or the deprecated rolling_mean() method)
- You may be able to make this work with some wrangling, but be careful with NaNs!

Some shortcut keys (to start with)

- On a PC cntrl = control key, on Mac cntrl = “apple” key
  - New cell above: cntrl+M A
  - New cell below: : cntrl+M B
  - Convert to code cell: cntrl+M Y
  - Convert to text cell: cntrl+M M

- Run a cell (execute code or display markdown): cntrl+ENTER