

CL8: CAPEs, Scientific Computing

COGS 18 Winter 2022

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OH: Mon 11-12

Why do CAPEs matter?

- I read **every single response** to my CAPEs.
 - Your responses help me improve my teaching!
- **My department** uses CAPEs to judge my teaching.
- My dream is to have a career in teaching!
 - CAPEs help me get recognized.
- (And 1% extra credit if $\geq 85\%$ of class fills out.)

What should you put in a CAPE?

- Please be honest!
- Write traits or examples of things I did.
 - "Extremely enthusiastic, clear explanations, and quite compassionate."
 - "Use more visualizations instead of plain text to explain new concepts."
- Or just write something funny.
 - "Sam is literally my savior"
 - "cute tbh"

Take a few min to fill out CAPEs!

<https://cape.ucsd.edu/students/>

CL08 tips (bit.ly/sam-wi22)

Part 1: See Lecture 15 on cogs18.github.io if you're having trouble. Each answer only needs one line of code.

Part 2: We talked about numpy docstrings in Lecture 16 (section Docstrings). You should split up semicolon lines into two separate lines without semicolons.

Part 3: Your function needs to create a dataframe, call `get_most_common()`, and use an assert statement on the result.

An example dataframe you can use:

```
test_df = pd.DataFrame({
    'sam': [1, 1, 2, 2, 1],
    'suzy': [5, 6, 7, 6, 8],
})
```

Part 4: Your notebook cell just needs to have:

```
!pytest
```

Make sure your output says that it ran 1 test successfully!