Announcements

- Lab (w2, w3) and E1 marks posted
  - Not on MarkUs! See Marks page on course website for details
- Extra office hours:
  - M 3-4pm with Jonathan in BA2270
- Announcements: required reading
  - I'll use #announcements tag on Piazza.

Lessons From E1

- **Using str instead of bool**
- Outcome: error when test calls it
- Example: return 'True' # 'True' != True
  - AssertionError
- Prevention: run a1_type_checks.py

Lessons From E1

- **Function has incorrect number or type of parameters**
- Outcome: error when test calls it
- Example: TypeError: TypeError: same_dimensions() takes exactly 1 argument (2 given)
- Prevention: run a1_type_checks.py

Lessons from E1

- **Function does not return or returns incorrect type**
- Outcome 1: error when the value returned is compared with the expected value
  - AssertionError
- Outcome 2: error when tester calls methods on values returned
  - AttributeError: 'NoneType' object has no attribute 'get_width'
  - Prevention: run a1_type_checks.py

Lessons From E1

- **Tests are unable to run because program expects input/output**
- Outcome: Tests timeout and don't run
- Example:
  - Output file says: Tests per code dir: 0
- Prevention: put all test code inside
  `if __name__ == '__main__':`

Lessons From E1

- **Forgot CDF password and other last minute submission problems**
- Outcome: if no submission, 0 on exercise
- Prevention:
  - submit early and often
  - you can submit multiple times

Potential A1 Problem

- **Code runs, but doesn't pass tests**
- There is no A1 pre-marking. (FYI, this is the first term that we've done any pre-marking in 108.)
- You need to assess whether your functions work properly BEFORE submitting
- Prevention:
  - Test your code thoroughly before you submit

Potential A1 Problem

- **Code is missing docstrings or does not follow style guidelines**
- Outcome: mark deductions (even if code passes all tests)
- Prevention:
  - Write each function docstring before the function code
  - Follow style guidelines as you go
    - Make good style a habit

Potential A1 Problem

- **Partner drops mid-assignment**

  - Outcome: the other partner is still responsible for completing the assignment on time

  - Making the best of a bad situation:

    - Be actively involved during the entire assignment

    - Make sure both partners have a copy the work at all times