Programming for Economist

PS 1

Class 5 & 9

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Plan for today

1. Working with problem sets
2. Intro to VSCode
3. Tips for PS1

1. Working with problem sets

- Problem sets are difficult and have many solutions
- Use code from lectures, previous exercises, friends, stack overflow etc.
  - Use what you can, modify and discard the rest
  - Important you understand why the code works as intended
- If you get stuck
  1. Read the documentation
  2. Play around with the code
  3. Look at solution
  4. Ask me/an LLM
- Highly recommended to work in groups, but write your own code

2. VSCode

1. Open VSCode and follow along on your own computer.

3. Tips for PS1

- Q1
  - To create a function, you use:

def function_name(inputs):

  return output

- Q2
  - A string with an f before it is called an fstring –written f'string'
  - You can put references inside an f-string via "{}"
  - You format references by {object:format}
  - Use the following format for the utility-values "6.3f"
    - This formats floats into 6 characters wide and 3 decimals
- Q5+6
  - Use code from lectures as inspiration
  - Useful functions
    - np.linspace
    - Use for-loops and enumerate