Programming for Economist

Model project + PS 7

Class 5 & 9

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KØBENHAVNS UNIVERSITET

Plan for today

1. Model project feedback
2. Work on PS7

1. My groups

- 345
- 404-not-found
- AKathrine-Elisa-Caroline
- cool-grapes
- data-crushers
- elisabeth
- emma-og-luna
- fred-og-alex
- gala
- gfs189rtil595
- jmva
- kasper
- lena
- mamahael
- miami-vicer
- mountain-dew-code-review
- ren-hygge
- slangetaemmer
- smoothiesour
- snakes-experts
- sof
- sofie-ck
- teamcoding
- ultrasonic
- wee

1. Feedback

- Generally great projects – you've improved!
- Clean up your notebooks – example
- Have a README
  - Make it correct!
- Make it nice to read: e.g. create headlines/toc
- Use of AI
  - Try having an idea before asking.
  - A lot better code than just pasting a whole assignment question into gpt.

1. Feedback

- When using new functions put them in one of your python files. Extra credit if you include them as methods in your Class but not necessary.
- Since many of the plots are the same – create a function that can do the plots using relevant inputs, so you avoid having almost identical plotting code three times or more.
- Many seem to struggle with the solution in Q3 – I will write so in the group feedback. Generally, when there is a kink in the function, you should see a kink in the solution as well.
- FOC solution:
  - Check for corner solution by checking if FOC changes signs from $\min l_i$ to $\overline{l_i}$
  - If FOC(ell_min)*FOC(ell_max)<0:
    - root find method
  - Else:
    - Corner solution ($l_i^* = \overline{l_i}$)

2. Work on PS7

- Much of the code is already written.
- Spend your time trying to understand the code already written.
- Try to draw or visualise how the different functions fit together in the model.
- See my solution with comments in my repository and ask me questions as always :)