Flow Control in Python

2022 Computational and Mathematical Modeling of Cognition

Session 2: Schedule

14:00 – 18:30 Session 2: Flow control
(for loops, if statements, etc.)
- 14:00 - 14:50: Interactive lecture
- 15:00 - 15:50: Individual work w/ Q&A
- 16:00 – 17:20: Group work w/ Q&A

17:30 – 18:30: Project work (SL)

20:00 – 24:00 Optional Python hotelwork ☺, Slack Q&A

The main strategy of learning Python programming

Solving many problems!
Best way to do the problems: A mix of individual and group work, learn to debug errors, and ask many questions

See the PDF document

It is <u>okay</u> to struggle a little bit!

What is "flow control"?

- The order in which individual lines of code are run or evaluated

- This refers to if statements, for loops, while loops, definitions (e.g. functions) etc.

If statements, For loops, while loops, etc. very similar to R

- Slightly different formatting

- SPACING (not tabs) is very important

- %paste in IPython is especially important

A Developer's Best _Secret_ to good programming

- GOOGLE (or Bing / DuckDuckGo / etc.)

- StackOverflow

- Github Issues / Module community forums

Extra help from Hannes Rosenbusch (University of Amsterdam)

- https://www.youtube.com/watch?v=5lHasRmeJ4Q&list=PLY3JDK9oD57jhyqr43dP4JuhiAUhZ9JB-&index=7

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