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# Tutorial 4

Data Types and Structures in Python and R

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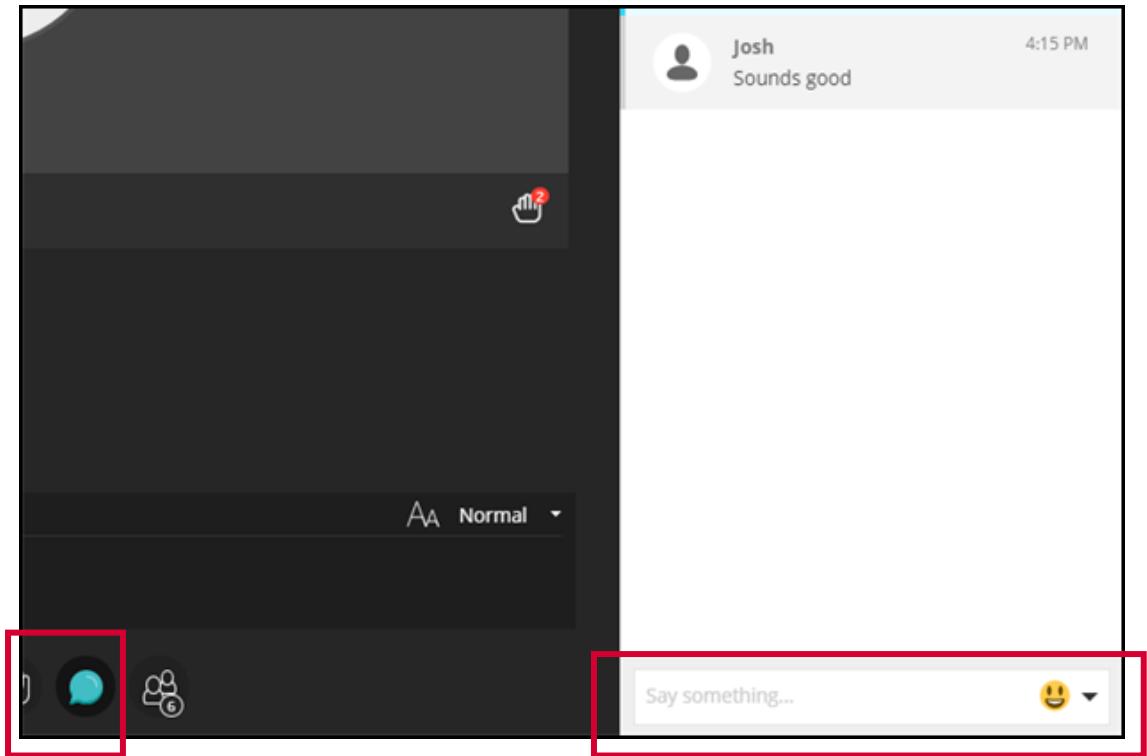
# Audio check

Can you hear the presenter talking?

Please type **yes** or **no** in the “Text chat area”

If you can't hear:

- Check your Audio/Visual settings in the Collaborate Panel
- Try signing out and signing back into the session
- Type into the chat box and a moderator will try to assist you



# Recording

This session will now be recorded. Any further information that you provide during a session is optional and in doing so you give us consent to process this information.

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 Start Recording





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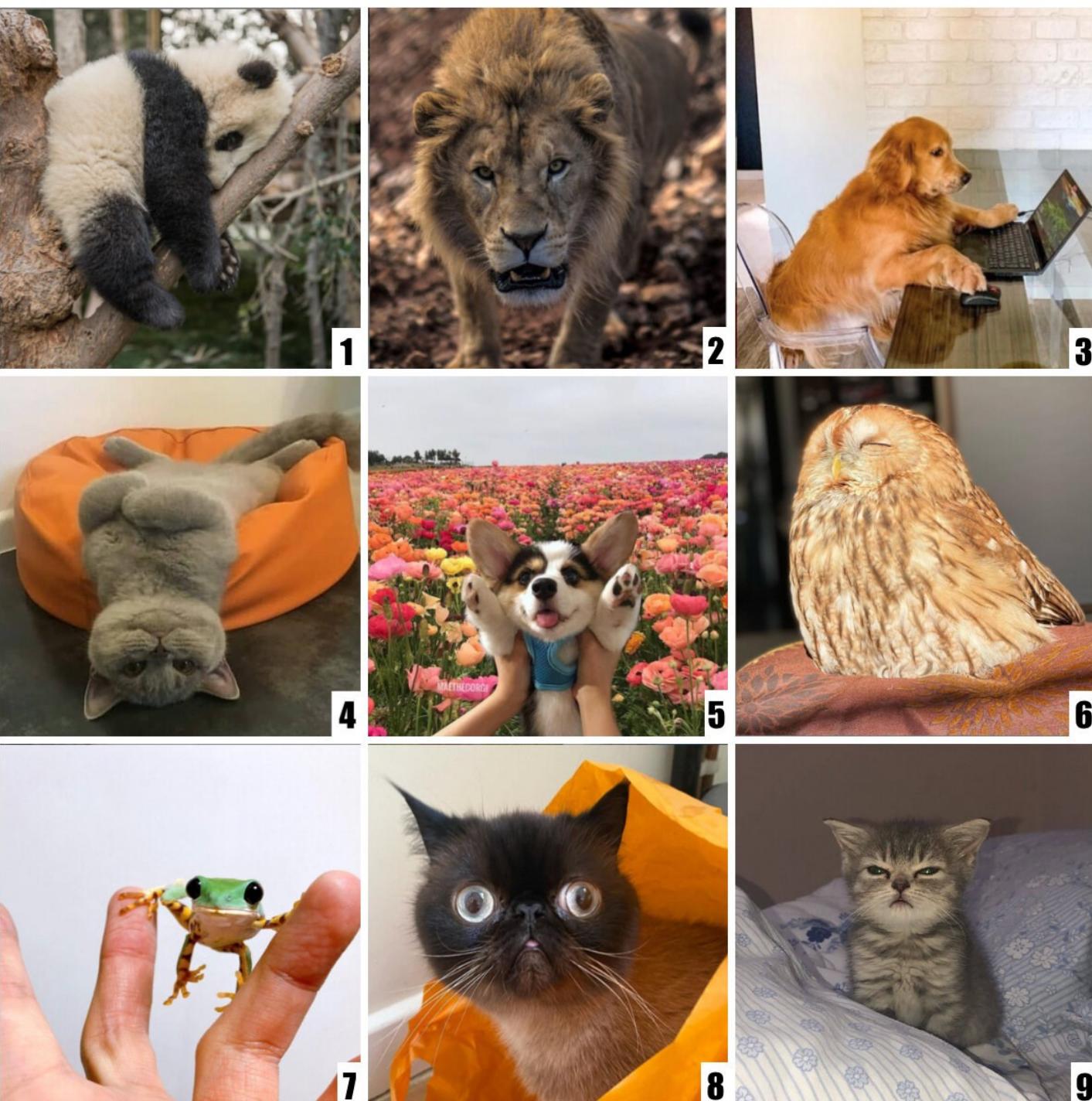
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How are you feeling today on this range of expressive animals?



# Agenda

- Do not forget 3 stars, a wish, and a step mini-diaries ★★★🚀🚧
- Assessment released— due 30 June 2025 2pm BST
  - Q&A during Week 5 tutorial as well
- !? Error of the week
- 💬 Working with data structures notebooks
- ? Any questions



# Course Assessment



- Assessment folder now on course GitHub repository
- See Assessment Critiera and Submission Details page on Learn
- Due 30 June 2025 14:00 BST (UCT+1)
- Submit via [Turnitin Portals](#)
- Submit 4 files
  1. .ipynb file with your Python code solutions
  2. PDF of your Python code solutions
  3. .RMD file with your R code solutions and report
  4. Knitted PDF of your R code solutions and report

# Submission requirements

- 1<sup>st</sup> step: rename the files and author lines with your exam number

Your exam number is listed at **MyEd > Accounts > Progression > My Student Record**.

- Points will be deducted on submissions that do not include exam numbers and/or include names or student numbers

The screenshot shows a user interface for managing student records. At the top, there are tabs for 'Current Addresses' (which is selected) and 'Future addresses'. Below this, there are sections for 'Home' and 'Semester'. The 'Home' section contains blurred address details and two 'Add new Address' buttons. The 'Semester' section contains blurred address details and a note: 'If you have a place in University accommodation you do not need to add a semester address. It will appear here automatically in September.' Below these sections is a note: 'If you need to update any information below that cannot be edited from this screen please refer to the [Change Student Records](#) webpage.' At the bottom, there are fields for 'Full Name', 'Known as', 'Date of Birth', 'Exam Number' (which is circled in red), 'Country of Birth', and 'Nationality'. There are also 'Edit' and 'Add' buttons.

# !? Error of the week !?



# Working with data structures notebooks

- 2 files for this tutorial
  1. Tutorial04-Python.ipynb
  2. Tutorial04-R.RMD
- Solutions notebooks released after the Friday afternoon tutorial
  - Really do try the exercises without looking at the solutions – trial and error is the best way to learn!

