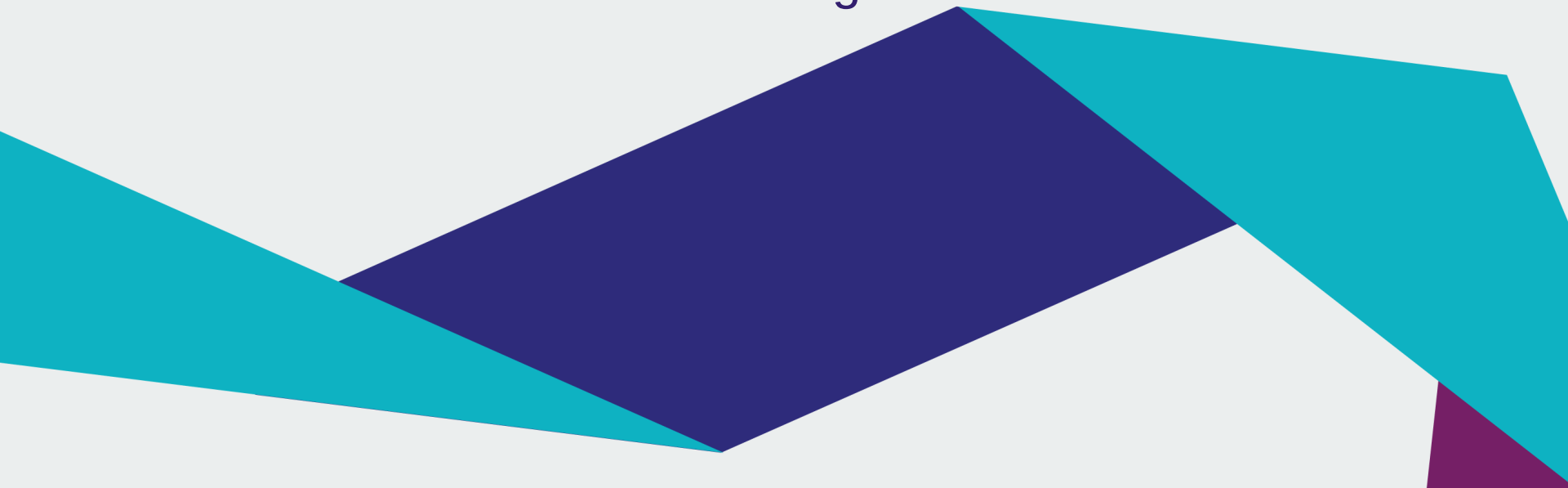
Imperial College London

Plotting in Python with Matplotlib

Chris Cooling

Graduate School Senior Teaching Fellow



Important Information on Marking your Attendance on Inkpath

I will show you a QR code at the end of the session allowing you to mark your attendance on Inkpath. Please do not mark your attendance until then.

If you are not a Postgraduate Research student and didn't book via Inkpath, your attendance will be marked on a separate database.

Expectations: Covid-safe teaching environments

- You are encouraged to wear a face covering indoors, especially in crowded, enclosed spaces, unless you are exempt. This includes **for Graduate School workshops**
- Cover your coughs and sneezes to reduce the spread of particles
- Respect people's wishes for extra space
- Use hand sanitiser where it is available to you

Learning Outcomes

1. **Understand** how to use example codes to create high-quality figures for your publications and thesis
2. **Create** and export a variety of plots using matplotlib
3. **Represent** multiple data series efficiently on a single plot
4. **Customise** the appearance of plots and generate subplots in one figure

Notebook Links

- Overview and the Matplotlib Gallery
- Plot Types - Discrete Data
- Plot Types - Continuous Data
- Plotting Data with Two Dimensions
- Customising Plots
- Multiple Plots
- Saving Plots
- Projects

Feedback

- Once you've completed this course, please provide feedback
  - The link is tinyurl.com/rcds2021-22
  - You should also have received an email with this link
  - This helps us improve the class for future students

Imperial College London

Plotting in Python with Matplotlib