MA40001

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Week 3

Tasks

- If you do not already have one, sign up for an account on https::github.com. We will use this next week.
- Install VSCode on your personal computer.
- Start embedding Python in your Quarto document.

Week 2

Tasks

Use Quarto to generate a pdf with:

- title, author
- section headings
- figures
- tables
- equations using latex
- schematic diagrams
- cross referencing of different objects
- bibliography
- appendices

Project narrative (suggestion)

- One sentence summary of your project
- Why is the topic important?
- What is the background to your project (place the work in historical context)?
- What are the project Aims?
- What work did you do to address the Aims?
- Outlook, reflection (recap the project, were the aims addressed?, what are the limitations of the work? what would come next?)

Disclaimer: there are other ways to structure a project narrative. Discuss this with your project supervisor.

Weeks 1 and 2

Tasks

- Get assigned your project
- Set up a meeting with your project supervisor
- Devise a plan for how you are going to work on your project
- Read Chapter 1 of lecture notes
- Start using Quarto (Chapter 2 of lecture notes)

Modules Aims:

- investigate a new mathematical topic
- develop communication skills
- develop independent study skills
- critical analysis
- develop programming skills

Module Structure

Your project content

- work independently
- meet with your project supervisor (you need to discuss and arrange a meeting schedule).

Writing/presentation

- weekly sessions developing communication/writing/programming skills (see timetable).

Optional

- 2 p.m. on Monday is Maths seminar - you are encouraged to attend but it is optional.

Module assessment

- presentation (10%)
- interim report (15%)
- poster (10%)
- final report + *viva* (65%)

Template projects and presentations will be available.

How did projects get assigned?

- Algorithm maximises overall satisfaction (tries to get as many students as high up preference list as possible) and is constrained by supervisor workload
- If you are not satisfied, please come and discuss with me.

Feedback

- Formative assessment. You will receive feedback
  - on submitted weekly work
  - practice presentation sessions
  - from your supervisor in meetings
  - documents that your supervisor reads in advance of submission
- Summative assessment
  - You will receive an email with grades and feedback from examiners

Any potential issues

- It's a 30 credit module
- Speak with your project supervisor
- Come and speak with me
- SSLC