

COMP10001

Tutorial 1

A little bit about me!

- Took COMP10001 in 2016

A little bit about me!

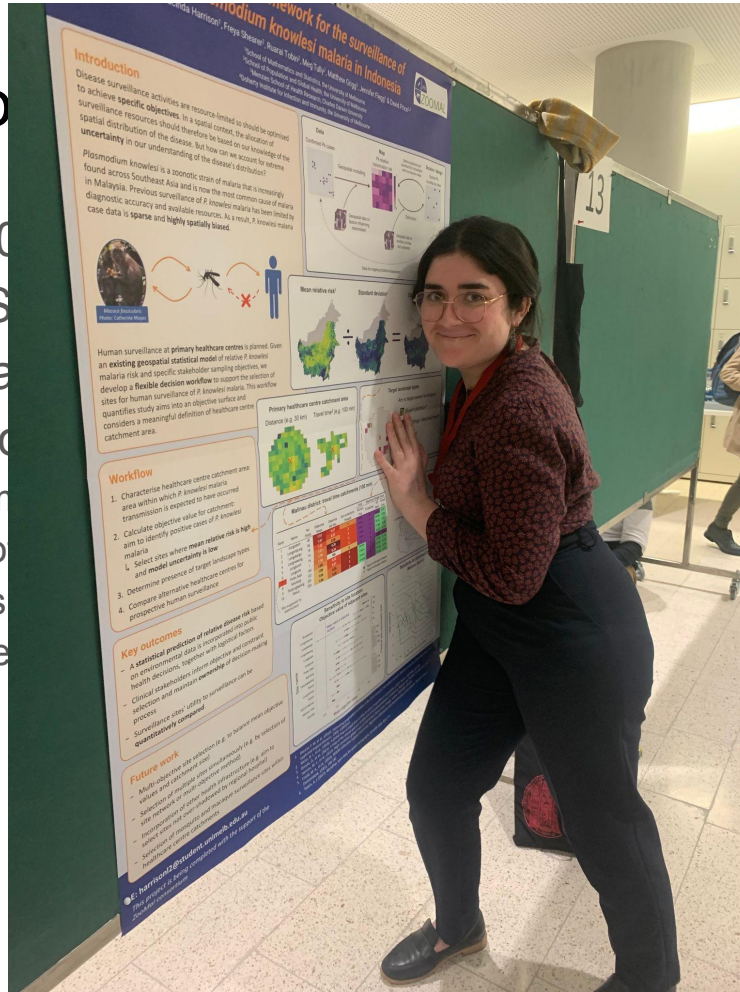
- Took COMP10001 in 2016
- Graduated BSc in 2018
- Graduated Master of Computational Biology in 2020

A little bit about me!

- Took COMP10001 in 2016
- Graduated BSc in 2018
- Graduated Master of Computational Biology in 2020
- Now working on a PhD in the School of Maths and Stats
 - Geospatial modelling of mosquito-borne diseases:
 - Zoonotic malaria, drug-resistant malaria, Japanese encephalitis
 - Structured spatial decision making:
 - Where should we concentrate resources given the things we know about disease risk?

A little bit about

- Took COMP100
- Graduated BSc
- Graduated MSc
- Now working on PhD
 - Geospatial modelling
 - Zoonotic diseases
 - Structured systems analysis
 - Where



2020
and Stats

encephalitis

things we know about disease risk?

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ease risk?

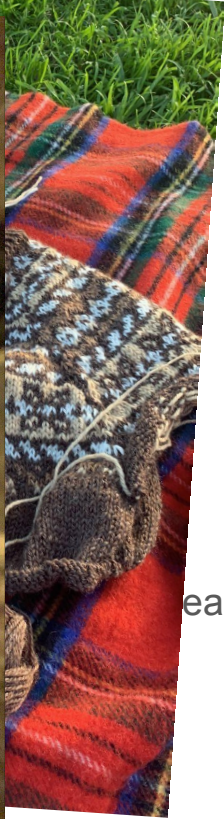
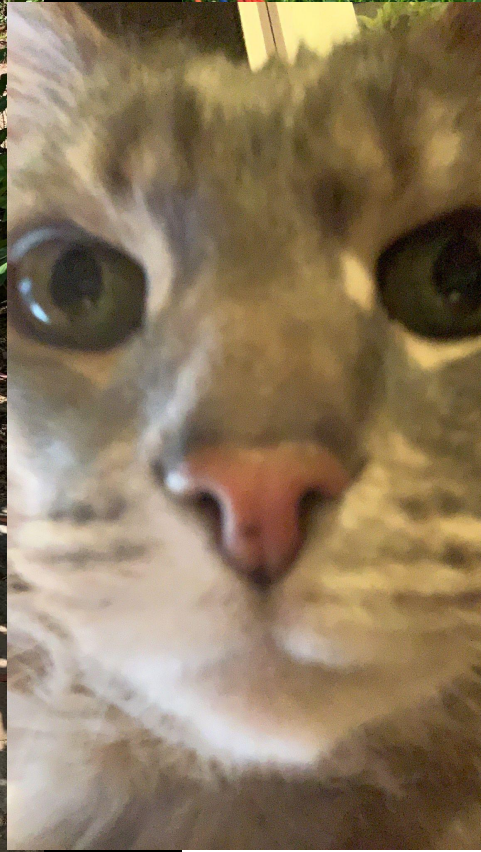
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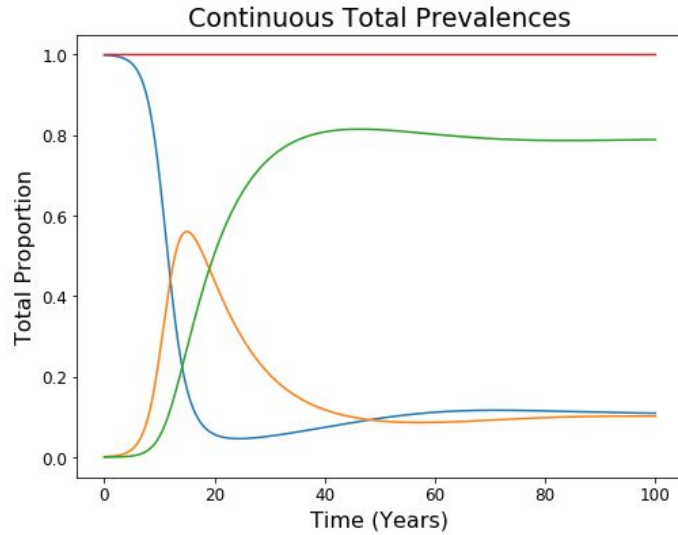
ease risk?

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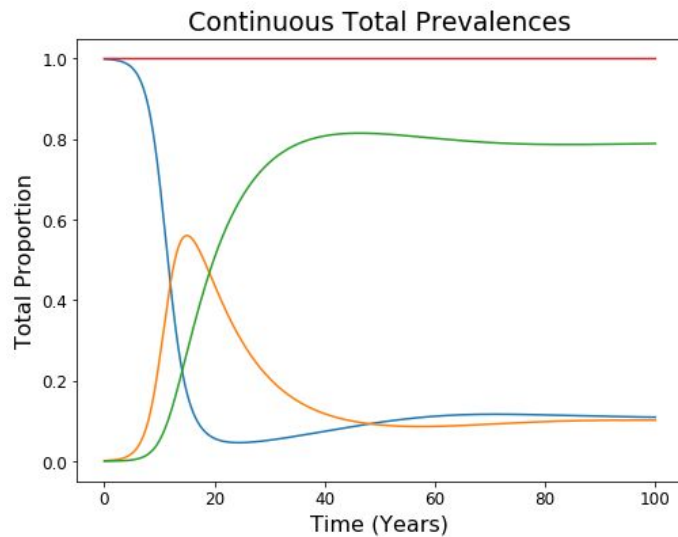


ease risk?

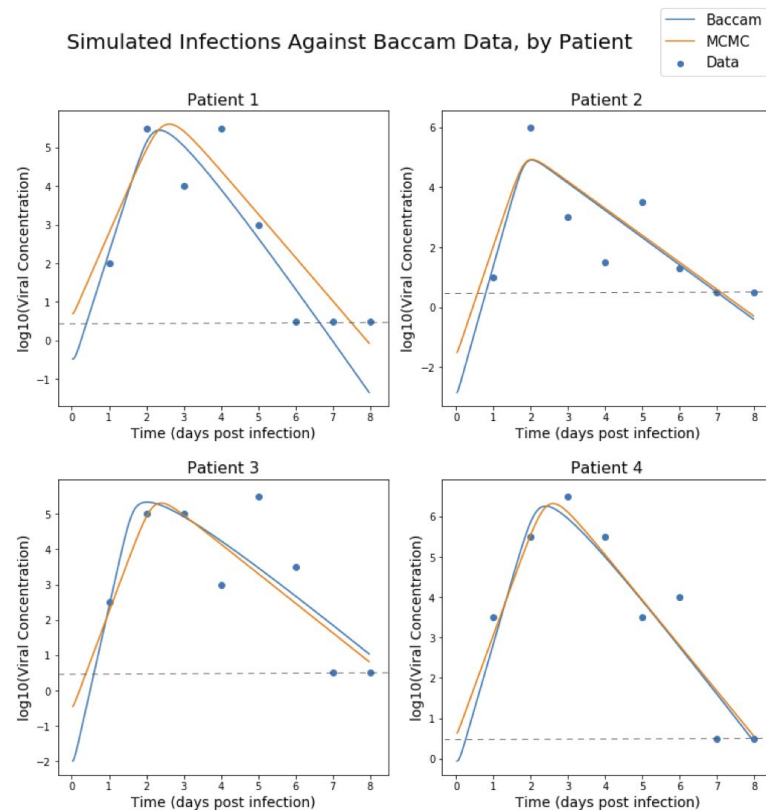
What do I love about computing?



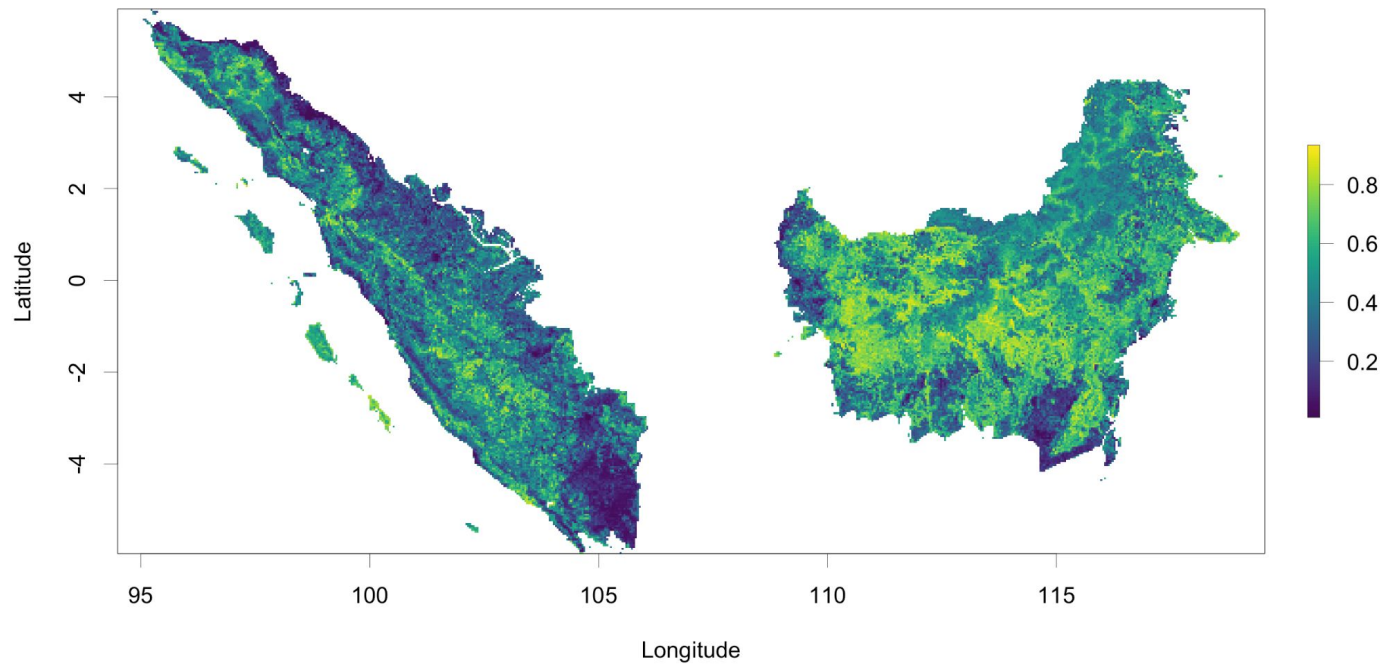
What do I love about computing?



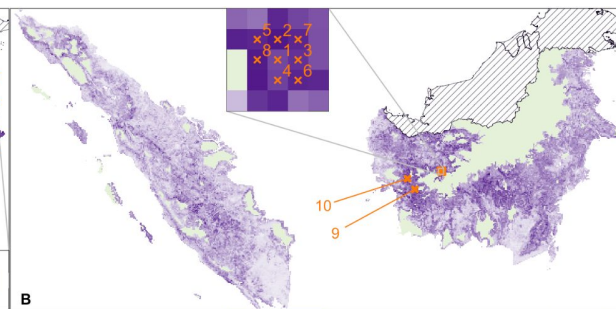
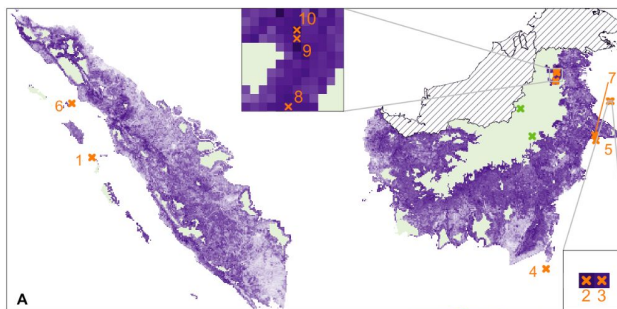
Simulated Infections Against Baccam Data, by Patient



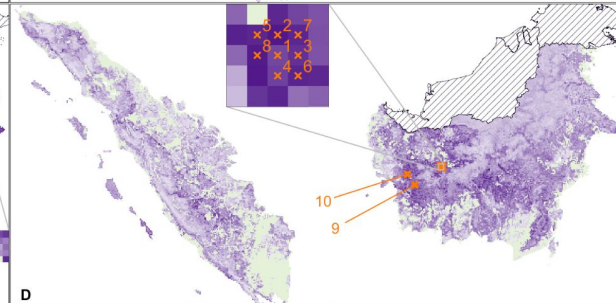
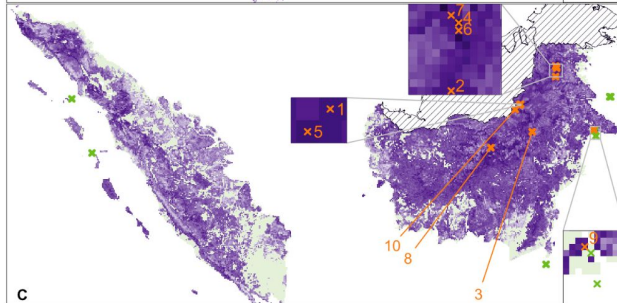
**Boosted regression tree output:
Mean predicted relative risk**



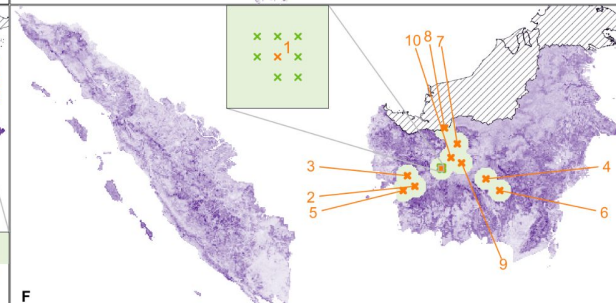
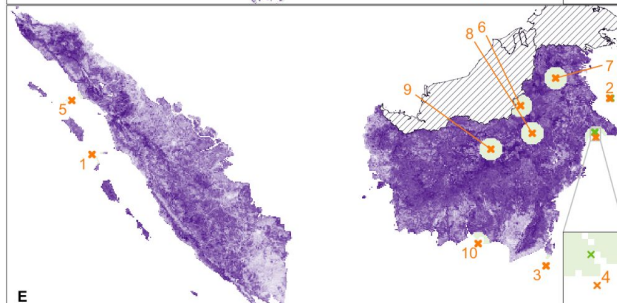
Accessibility



Forest

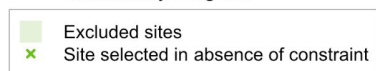


Distance Between Sites (50km)



Uncertainty-weighted

Precision-weighted



Objective value



Who's in the class?

- Where are you from?

Who's in the class?

- Where are you from?
- What's your major?

Who's in the class?

- Where are you from?
- What's your major?
- How long have you been at uni?

Who's in the class?

- Where are you from?
- What's your major?
- How long have you been at uni?
- Have you ever done any computing before?

My advice for COMP10001

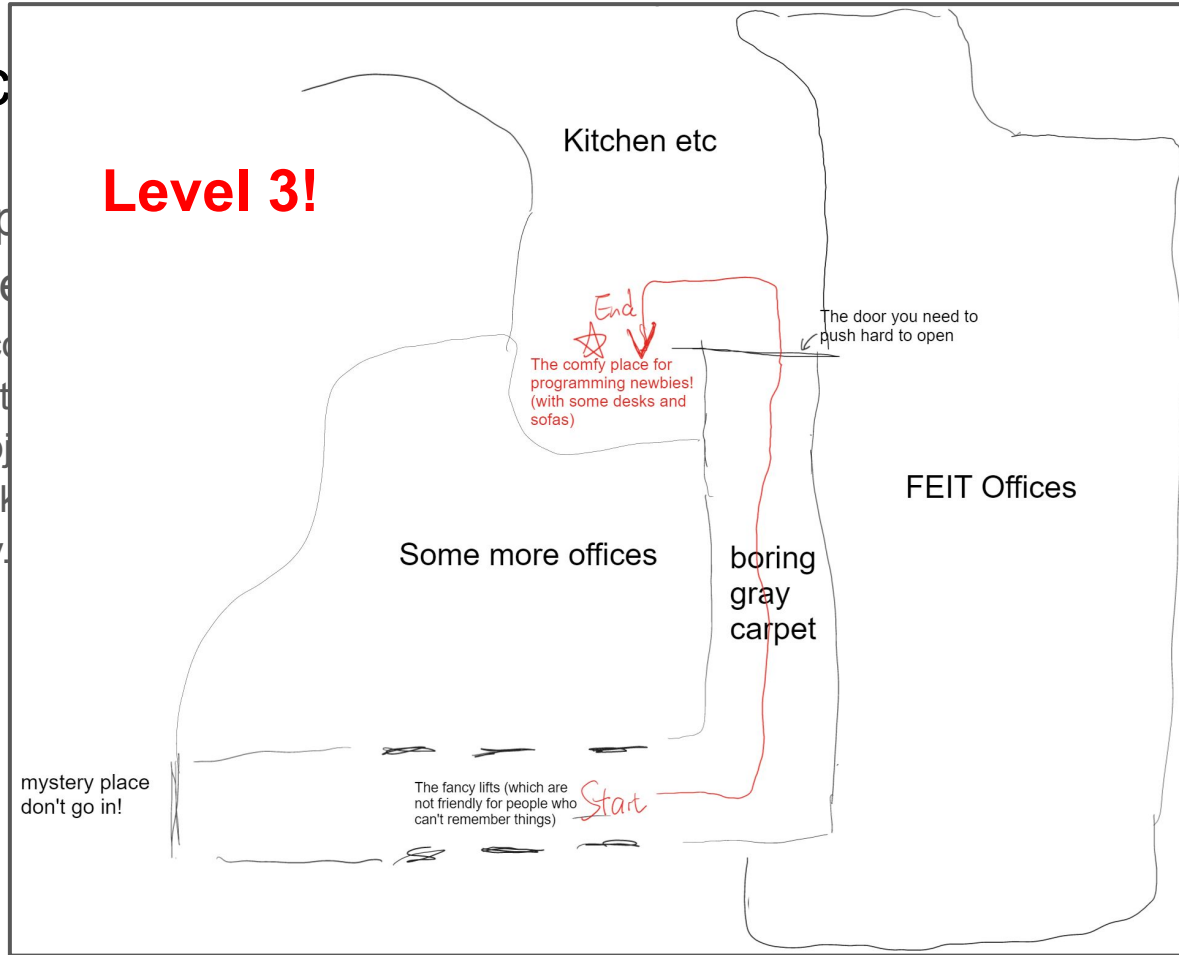
- Keep up to date with Grok!

My advice for COMP10001

- Keep up to date with Grok!
- If you need help, ask for it early!
 - Second tutorial hour
 - First year computing centre, level 3 Melbourne Connect
 - Subject forum
 - Grok tutor messaging
 - lucy.harrison@unimelb.edu.au

My advice

- Keep up
- If you ne
- Seco
- First
- Subj
- Grok
- Lucy.



First question!

- What's a program?

First question!

- What's a program?
- How do we write a program?

First question!

- What's a program?
- How do we write a program?
- What does it mean to run a program?

Second question!

- What is a programming language?

Second question!

- What is a programming language?
- Why do we need programming languages?

And that's it!