

An introduction to probability

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Who am I?

Course outline

- 9am-10.30am: follow along lecture and problems
- 10.30am-10.45am: refreshments break
- 10.45am-midday: follow along lecture and problems

- Introduction to probability, Blitzstein and Hwang. Open source book available here:
<https://projects.iq.harvard.edu/stat110/home>
- Seeing theory. A beautiful online resource that has lots of creative ways to think about probability.
<https://seeing-theory.brown.edu/>

- 1 What is probability and why do we need it?
- 2 Probability and counting

What is probability?

Mathematics is the logic of
certainty; probability is the logic
of uncertainty

Bitzstein and Hwang, 2019

Why study probability?

Blitzstein and Hwang's Pebble World

