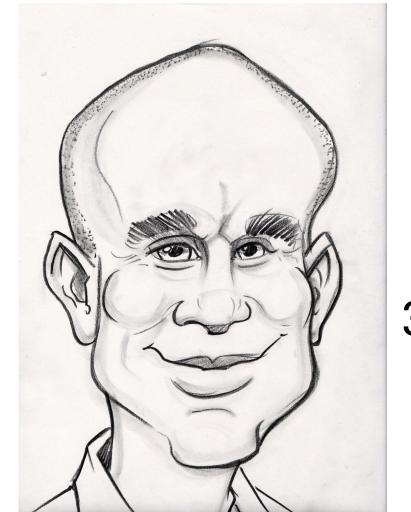
Simulations

For the Mathematically Challenged

Miki Tebeka

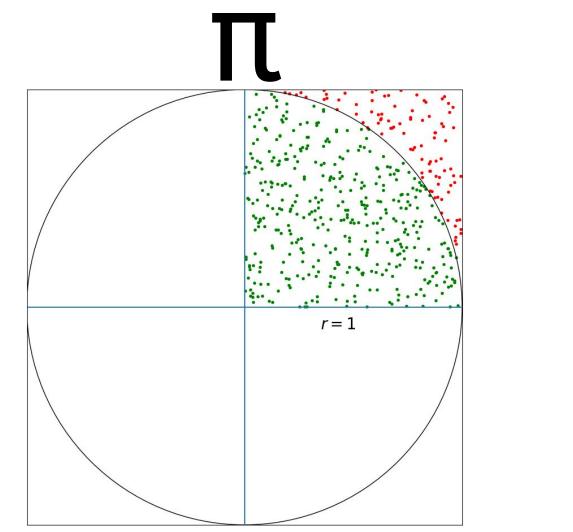


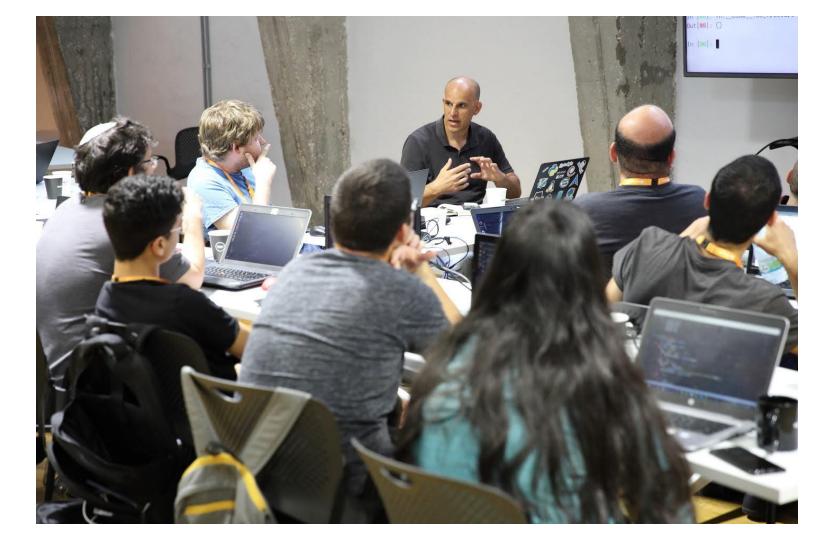
CEO, CTO, UFO, ... 353solutions

If you can write a for-loop, you can do statistics.

Jake Vanderplas

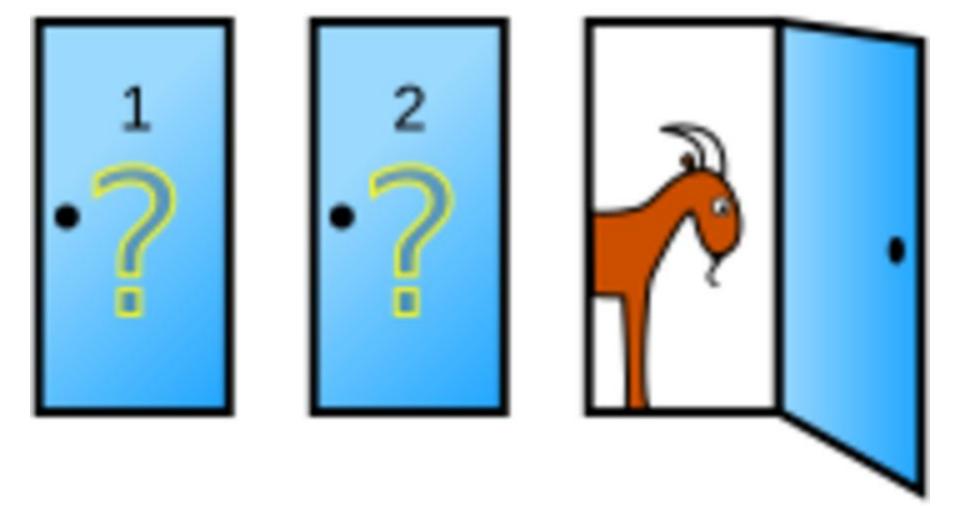






The test of a disease presents a rate of 5% false positives. The disease strikes 1/1000 of the population. People are tested at random, regardless of whether they are suspected of having the disease. A patient's test is positive. What is the probability of the patient being stricken with the disease?

	Predicted Sick	Predicted Healthy
Actual	True	False
Sick	Positive	Negative
Actual	False	True
Healthy	Positive	Negative



More?

Statistics for Hackers

- Jake Vanderplas

Monte Carlo Simulation

- Wikipedia

<u>SimPy</u>

- Discrete Simulation



```
10 p1 = Player('Parzival')
11 print(Player.count)
```

WHAT WILL THIS CODE PRINT?

