

# Network Size Estimation<sup>1</sup>

How Big is my Audience?

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<sup>1</sup>Joint work with Nathan Evans and Bart Polot

# Mental Coin Flips

- ▶ Think of **head** or **tail** each round
- ▶ Remember the number of the first **mismatch** with the slides!

Flip!



Coin 0

head

Flip!



Coin 1

head

Flip!



Coin 2

tail



Flip!



Coin 3

head

Flip!



Coin 4

head

Flip!



Coin 5

head

Flip!



Coin 6

head



Flip!



Coin 7

tail

Flip!



Coin 8

head

# Shout!

Shout *your* number once it appears on the slide!

Number 8

8

Number 7

7

Number 6

6



Number 5

5

Number 4

4

Number 3

3

Number 2

2

## Result

Number	Group Size
3	6.35
4	12.70
5	25.41
6	50.82
7	101.63
8	203.27

Thank you for playing

Want to play again?