

# Prevalence prior manipulation (both experiments)

## A

You discover a new animal, which you call Animal F.

After studying the animal, you and your partner determine that **27%** of Fs *know when earthquakes are about to happen*.

|   | % As | % Bs | % Cs | % Ds | % Es | % Fs |
|---|------|------|------|------|------|------|
| know when earthquakes are about to happen | 100  | 100  | 22   | 97   | 98   | 27   |

[Look at information about the next kind of animal](#)

## B

Please take another moment to review the information about animals.

|   | % As | % Bs | % Cs | % Ds | % Es | % Fs | % Gs | % Hs | % Is | % Js |
|---|------|------|------|------|------|------|------|------|------|------|
| know when earthquakes are about to happen | 100  | 100  | 22   | 97   | 98   | 27   | 26   | 99   | 26   | 28   |

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## C

### Prior elicitation (Expt. 3a)

Tomorrow, you and your partner will study 5 other species of animals.  
What percentage of each do you think will know when earthquakes are about to happen?



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## D

### Generic interpretation (Expt. 3b)

The next day, you are busy, and your partner studies a new animal --- Animal K --- on their own.

Your partner tells you:

**"Ks know when earthquakes are about to happen."**

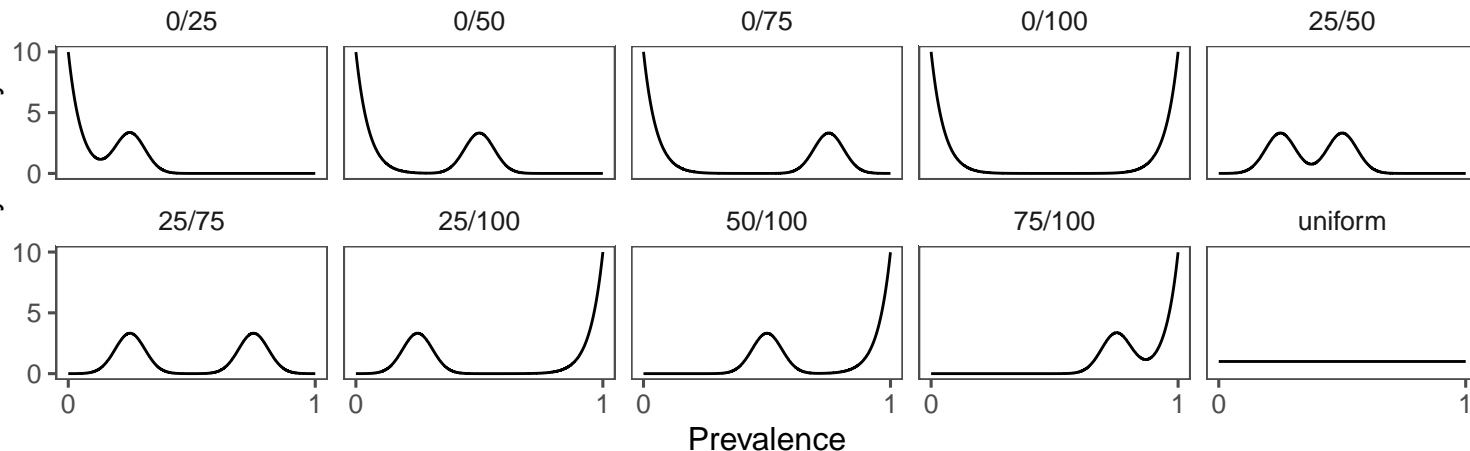
What percentage of Ks do you think *know when earthquakes are about to happen*?



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## E

Probability Density



Prevalence