

Probably About Probability

$p < .05$

Greg C Elvers

Probability

- ⊕ Inferential statistics allow us to decide if one condition of an experiment produces different results than another condition
- ⊕ Inferential statistics are based on the concepts of probability
- ⊕ Thus, probability is an essential aspect of statistics

What Is Probability?

- ⊕ Probabilities often deal with *events*
- ⊕ An event is something that happens
 - ⊕ E.g. Rolling a 3 on a fair die is an event
- ⊕ The probability of an event is given by the ratio of how often that event occurs and how often all events occur