

PHIL 105 - Analogies and Samples

The world anti-doping agency made an error in deciding not to ban the use of hypoxic tents by athletes. Using a hypoxic tent is not like altitude training. It's cheating. You can see that from the important similarities to blood-doping, which is clearly cheating. They're both artificial ways of boosting red blood cell counts - someone had to invent them. And they're both just sneaky, contrary to the "spirit of sport" that makes competition meaningful.

Is the tent so similar to blood doping?

Example

->| Your body adapts in the tent, blood doping is making your body change

Samples

We have a population and we look at a sample.
This way we can save ourselves the trouble of looking at the entire population.

Phone addiction is real -- and so are its mental health risks

With the rise of social media, phone addiction has become common, claim psychologists at Gotham University. Addicts use their phone compulsively even when it's bad for work, school, or relationships. By surveying first-year students in psychology and philosophy classes at GU in the Fall term ($n=800$), the researchers determined that 22% of first-year university students are smartphone addicts.

n is the sample size.

N is the population size.

Sample size

An increased sample size increases the accuracy of what the population is.

Precision and Accuracy

Precision is about the exactness.

Accuracy is about the truth.

More precise statements are more inaccurate.