

Psychological Research

Can week old Pizza cause psychedelic hallucinations?. Does coffee make you smarter? or does it just make you do dumb stuff faster?. We tend to grossly underestimate the dangers of false intuition. If you have an idea about a person and their behavior that turns out to be right, that reinforces your trust in your intuition. This is known as 'hindsight bias " or the 'I knew it all along " phenomenon. This does n't mean common sense is wrong, it just means that our intuitive sense more easily describes what just happened. in science. A theory is what explains and organizes lots of different observations and predicts outcomes. when you come up with a testable prediction, that 's your hypothesis. Once your theory and hypothesis are in place, you need a clear and common language to report them with.. This is a problem with one popular type of psychological [UNK] case studies. How you phrase surveys is important, so is who you ask. I could ask a room full of students at a pacifist club meeting what they think about arms control, but the result would n't be a representative measure of where students stand. to really get to the bottom of cause and effect behaviors, you 're gon na have to start experimenting..

The American Psychological Association suggests that you acquire everyone's informed consent to participate in your experiment. you do n't want all grumpy teenagers in one group and all wealthy Japanese surfers in the other ; they got ta mingle. sometimes one or both groups are not informed about what 's actually being tested, so we 'd put these ideas into practice in our own little experiment. experimental group one gets a low dose of caffeine. experimental group two gets 500 milligrams, more than a quad shot of espresso dunked in a red bull.. Once you do everyone, turn them loose in the maze and wait at the other end with a stopwatch. All that's left is to measure your results from the three different groups and compare them.

The Chemical Mind

Our endocrine systems have a few important hormone brewing glands. we 've got adrenal glands snuggled up against our kidneys that secrete adrenaline. the pituitary gland is the most influential gland in this system. it releases a vital growth hormone that spurs physical development and that love hormone oxytocin. in our next lesson, we 're gon na get all up in your brain and delve deeper into the different components of your nervous system. find out what your old brain is and learn about how much of your brain you actually use.

Meet Your Master - Getting to Know Your Brain

Franz Joseph Gall believed that a persons personality was linked to their skull morphology. his lasting and correct proposition was that different parts of the brain control specific aspects of our behavior.. phrenology was dismissed as a cult pseudoscience because it turns out your cranial contours tell us exactly nothing about what 's happening inside the brain. in 1848, Phineas Gage was tamping gunpowder into a blasting hole with an iron rod.. The resulting explosion caused the rod to shoot like a bullet up through his left cheek and out of the top of his head.. amazingly, he stood up after the accident, and walked over to a cart and described what had happened,