

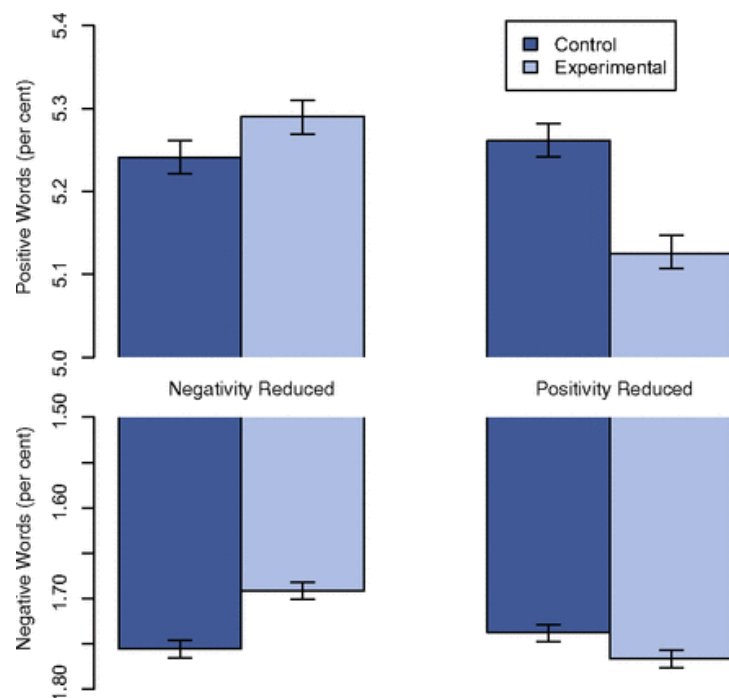
## Research Aptitude Test

Question 1: Several studies have shown that wealth may be at odds with empathy and compassion. Research published in the journal *Psychological Science* also found that people of lower economic status were better at reading others' facial expressions -- an important marker of empathy -- than wealthier people. The authors state, "A lot of what we see is a baseline orientation for the lower class to be more empathetic and the upper class to be less [so]". In what other psychologically meaningful ways do you think money changes the way we think?

Question 2: Devise a research study to test the relationship between IQ and academic achievement in IIT? (Please provide a research design) or

Design a study on: Effect of Meditation/yoga programme on well-being in Older Adults or Effect of school intervention programme on well-being in Indian students

Question 3: A few months back, Facebook made either negative or positive emotions more prevalent in users' News Feeds, and measured how this affected users' emotionally expressive behaviors, as indicated by users' own posts. Results of the study are presented graphically - draw key interpretations from the results.



Question 10: A longitudinal study followed babies born in the month of March, 1998. When they were 7 and again when they were 11, their teachers were asked to describe the children physically. The children were defined to be *attractive* if they were described as attractive at *both* age 7 and age 11. They were defined to be unattractive otherwise. Their intelligence was

measured with 11 different cognitive tests at three different ages (7, 11, and 16). What implications do you draw from the results that are presented below?

