

Design Your Own Experiment

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Design an interesting psychological experiment. An example of what I am looking for is something like: **“People over six feet tall are will have higher GPA’s than shorter people.”** When you have finished creating your experiment identify the following:

Question about your experiment	Your answer
Explain the <b>hypothesis</b> and the focal behavior of your research.	
Describe the variables involved in the experiment (and any potentially <b>confounding variables</b> ). Operationalize each variable and describe which is the <b>IV and DV</b> .	
Explain the <b>sampling</b> process you will use to select a representative sample from the population (random assignment, group matching and random sampling).	
What type of experimental design will your team use: cross-sectional study, longitudinal study, etc? Why? Can it be <b>replicated</b> ? Will it be a <b>single or double blind experiment</b> ? Is there a placebo method? Will your team use counterbalancing?	
Whether your experiment is a lab or field experiment, you must explain the <b>procedure</b> for your experiment. What will happen to the experimental group and the control group? What treatment will the <b>experimental and control group</b> be given?	
How will your experiment control for experimenter bias? What <b>controls</b> (tools) will your team employ to produce accurate data (randomization, group matching, counter-balancing, placebo, double-blind) to control for bias and check for the expectancy effect?	
Your team must verify that they are following the APA <b>ethical guidelines</b> to regulate psychological research with humans and/or animals.	
Give a specific description of how you would use <b>statistics</b> to validate your results. Would you analyze the data with descriptive or inferential statistics? Will the measures of central tendency help explain your results? What type of distribution are you looking for? How will you know if your findings are <b>statistically significant</b> ?	