

## Application exercise: 1.2 Scientific studies in the press

You have 12 MINUTES to complete this application exercise. Submit your responses on Sakai, under the appropriate assignment. One team will be randomly selected and their responses will be discussed on the screen.

In this activity you will read a short article and answer a few of question about a study. It is possible that the article doesn't provide the relevant information to answer certain question(s). If so, refer to the original study (linked). You do not need to read the entire paper, in fact, you are certainly not expected to understand all of it. Simply find the information that will help you answer the questions.

**Haters Are Gonna Hate, Study Confirms** By Katy Waldman

Published: August 28, 2013 on Slate, <http://slate.me/1dr5XPE>

Original study: Hepler, J., & Albarracin, D. (2013). Attitudes without objects: Evidence for a dispositional attitude, its measurement, and its consequences. Journal of personality and social psychology, 104(6), 1060. <http://bit.ly/110XfNC>

1. What are the cases?
2. What is (are) the response variable(s) in this study?
3. What is (are) the explanatory variable(s) in this study?
4. Does the study employ random sampling? How about random assignment?
5. Is this an observational study or an experiment? Explain your reasoning.
6. Can we establish a causal link between the explanatory and response variables?
7. Can the results of the study be generalized to the population at large?