



## Statistics: Music and Resting Heart Rate

Paper citation: Sills D, Todd A (2015). Does Music Directly Affect a Person's Heart Rate?. J

Emerging Investigators 43: 1-4

### Paper questions

*In reading through the assigned paper, please answer the following questions:*

1. What did you learn from reading the introduction?
2. What was the question being investigated by the researchers?
3. What are the null and alternate hypotheses for the case of rock music?
4. Which statistical test was used by the researchers to analyze their data when comparing heart rates before and after listening to music?
5. For rock music, what was the p-value? Is it statistically significant? Was the null hypothesis supported?
6. In terms of experimental design, what are some things you would have done differently?
7. Propose two follow-up experiments that could be performed given the data presented in this paper.
8. What are some shortcomings of this paper?