Threats to Validity

Data scientists want to know if listening to music or podcasts reduce symptoms of stress in individuals. They conducted a study of 1,000 people who were brought into a laboratory office for testing. While wearing a heart-rate monitor, participants were asked to listen to either music or a podcast of their choosing while completing a series of complicated puzzles. The data scientists discovered that on average, participants who listened to music had a 5% lower heart rate while completing the tasks than those who listened to podcasts.

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Before publishing their findings, the data scientists have asked you to review their claim. In the space below, indicate possible threats to validity faced by this study.