

Jack Harlow

Do men or women at Del Norte High School listen to Jack Harlow's music more?

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Period 2 | Mr. DePutron



Introduction

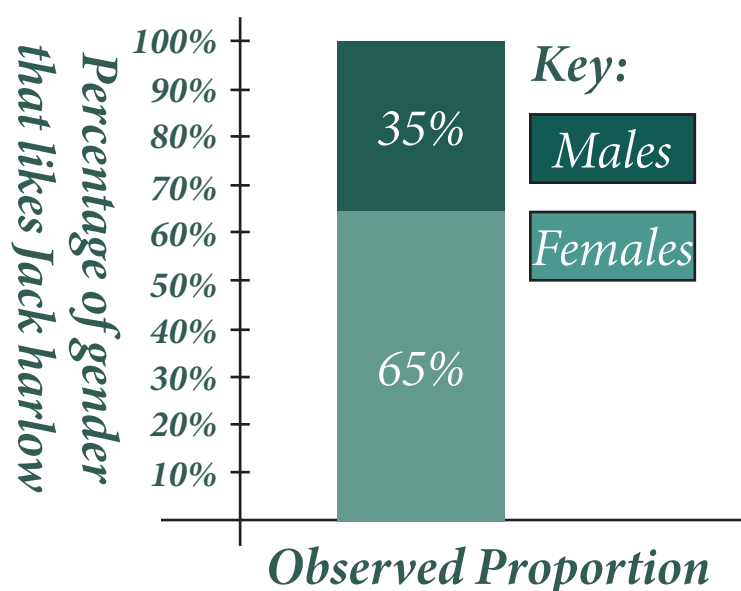
As teenagers, listening to music is a core part of our identity. The artists we listen to, and the songs that we identify with are a large topic of discussion among teenagers. A few weeks ago, Jack Harlow, a male musical artist, had a concert in San Diego. His concert sparked a great deal of conversation and popularity among Del Norte Students. Thus, we would like to evaluate the following question: From randomly sampling equal numbers of males and females from each grade, is there statistical evidence that there is a difference in proportions between males at DNHS and females at DNHS who like Jack Harlow's music? We predict that we will find convincing evidence that there will be a difference in proportions between males at DNHS and females at DNHS who like Jack Harlow's music.

Study and Conclusion

To gather our unbiased data, we will be using a stratified random sampling method. We will divide the population, which is students at Del Norte High School, into strata of English classrooms by grade and then go into 2 English classes per grade and use an SRS to randomly sample 10 male students and 10 female students. The 2 English classes per grade will be selected by numbering off the number of English classes per grade and using a random number generator to select 2 numbers. The two classes that correlate to these two numbers will be sampled. Next, once in the classroom, we will separately number off the male or female students and use a random number generator to select 10 unique numbers for each group, which will correlate to 10 unique female students and 10 unique male students. These students will be given the Y/N Question: "Do you like Jack Harlow's music?" This will be repeated 4 times for each grade level's English class. This will lead to a final sample size of 80 individuals. This sampling method attempts to reduce bias by making the sampling method completely random. Students will be randomly selected, so the chance of confounding variables skewing the data will be lower.

Based on the results of our study on whether males at DNHS like Jack Harlow's music more than females at DNHS, we found that there is convincing evidence that a higher proportion of females at DNHS like Jack Harlow's music more than males at DNHS. Our hypothesis was accurate, for we predicted that there would be a difference in the proportion of males and females that like Jack Harlow's music. A significance test shows a difference in the proportion of males and females who like Jack Harlow and the confidence interval shows us females prefer Harlow.

Data



Credits

Gautam Gupta - Introduction & Article Design
Ketki Chakradeo - Calculations & Graph
Sohni Singh - Study & Conclusion

Citations

Nguyen, Terry. "The Thirst for Jack Harlow, Gen Z's Breakout White Rapper, Explained." Vox, Vox, 5 Jan. 2022, <https://www.vox.com/culture/22865896/jack-harlow-explainer-thirst>.