

How Does Music Taste Correlate with Personality?

Research Question

The purpose of this project is to determine if types of music genres truly affect personality traits.

Methodology

Our data will be collected through a survey. The types of music genres we will analyze will be Pop, R&B, Country, Rock, Cumbia, Rap, Hip Hop, Reggaeton, Classical, and K-Pop. The data will be the participants' responses from the survey. The survey will be given to each participant so we can receive data. Once we receive the finished data from the survey, we will analyze the data by comparing the results of each participant and find similarity and differences between the survey responses.

Data and results

Our data has proven that our hypothesis was incorrect, and we cannot assume the music taste directly correlates with personality, there are some signs that introverts are interested in softer types of music while extroverts like loud music and ambiverts are a mix of both but not enough to prove our hypothesis.

Interpretation and conclusion

In conclusion, our hypothesis was incorrect. This experiment has proven that we cannot assign certain personality traits to taste in music. There are some traces of data support our hypothesis but not enough to prove our claim.



Music is a form of expression that we as humans use to reflect what or how we are like. From this derives the question, what is the correlation between these two topics that relate to humans, music, and personality? Although there are multiple research papers addressing this topic, it is a better understanding and visual researching deeper into our topic and seeing this connection with people whose personality we know. Music is a great demonstration of how we feel on certain days and our mood in that moment, but since we choose a certain music, our ears want to hear, this connects us to who we are as a person, because it is our taste and choice in the end. Our research plan consisted of us gathering participants and making them take a survey we created, asking questions about their personality and taste in music, while also gathering background knowledge of what each music category discloses about a person. Knowing the correlation between personality and music can help in finding methods of ways to teach or background music to play when in a learning environment.

Abstract

Background Information

- Seeing what people think/feel about the topic is quite interesting. Through research we found that music can alter or correlate with certain aspects of us. A big one is how music correlates with our personality or vice versa. Research showed that people listen to music for several reasons. It could either be for emotional reasons or just the desire to listen to certain music. A lot of the time has to do with what we are experiencing with life at that moment. It can also let people see what music genres link up with certain personalities. Results showed that people high in neuroticism tended to listen for emotional reasons and people low on neuroticism listen just as an everyday thing.

Question and Hypothesis

Research Question- The purpose of this project is to determine if types of music genres affect personality traits.

Hypothesis- We predict that people with a more extroverted personality will listen to more energy (pop, rock, R&B etc.). While introverted personalities will listen to more conserved music (classical, some country)

Procedures

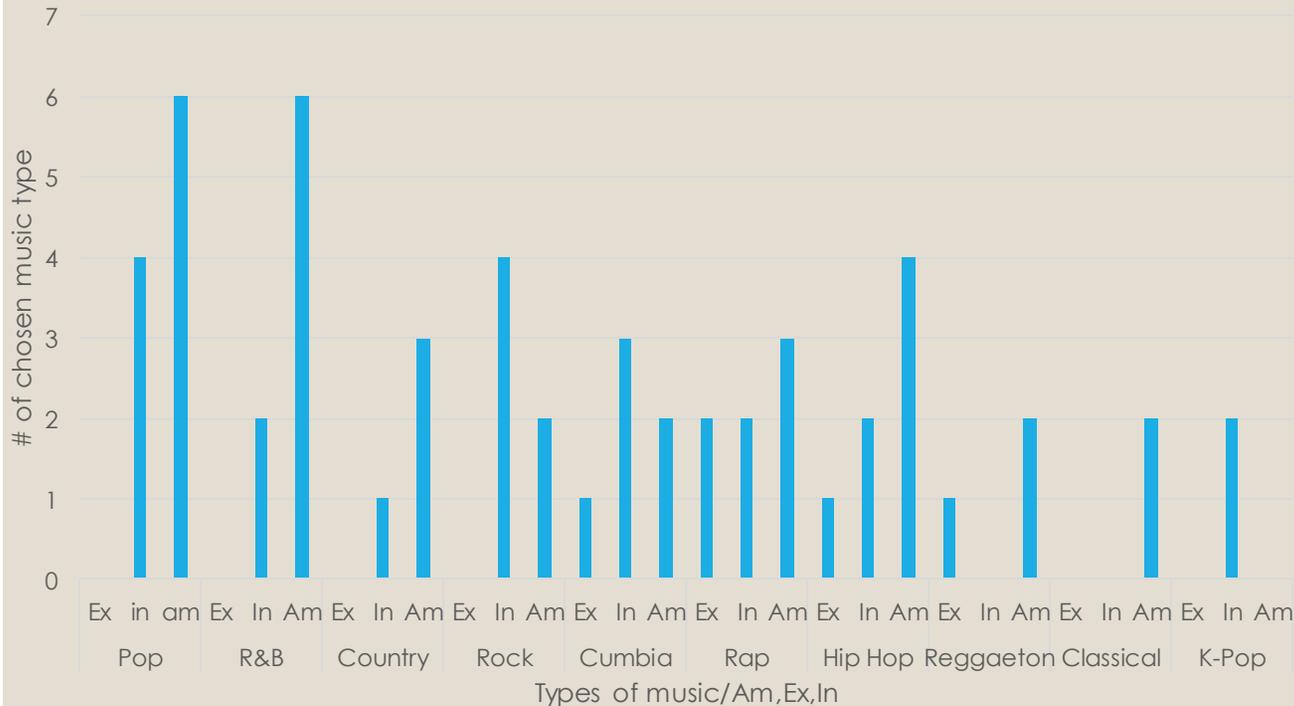
1. Survey containing music genres and personality traits was written.
2. Participants signed the Human informed consent form
3. Participants were asked for consent to take and finish the survey truthfully.
4. Survey writers asked ten participants to take the survey.
5. The same survey was given to 30 participants.
6. Participants answered survey questions.
7. Survey answers were analyzed and put into distinct categories of music genres and personality traits that could coincide with each other.

Form link:

<https://forms.office.com/Pages/ResponsePage.aspx?id=4FBwvMxLCUiSReqLZQhIZSGxAYBBvKFCoXQF9bxk20RUN05KVDhERk42TkpZRkY3SEZZUUM2VUhZTy4u>

Results and Data

Am, Ex, In Music choices



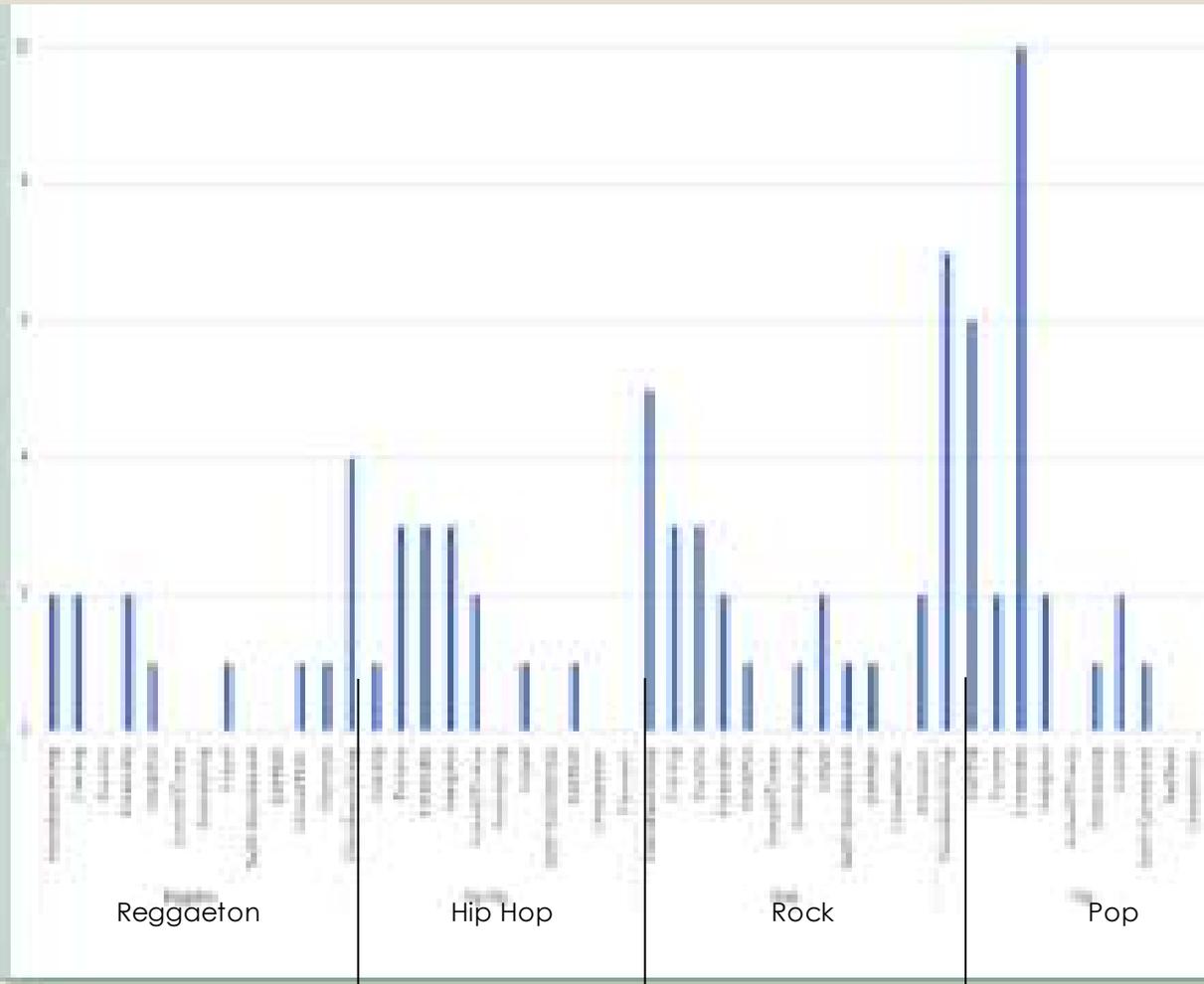
Am stands for ambivert, Ex stands for extrovert and In stands for introvert.

This data shows the amount of ambiverts, extroverts and introverts chose the specific music type. As an example, we can see on the chart in the pop music category, zero extroverts, 4 introverts, and 6 extroverts picked this type of music.

As we go through the data, we notice that people who identify themselves as ambiverts have chosen the more upbeat fast types of music, music that people typically listen to while dancing or attending a party. While only some introverts have chosen this type of music.

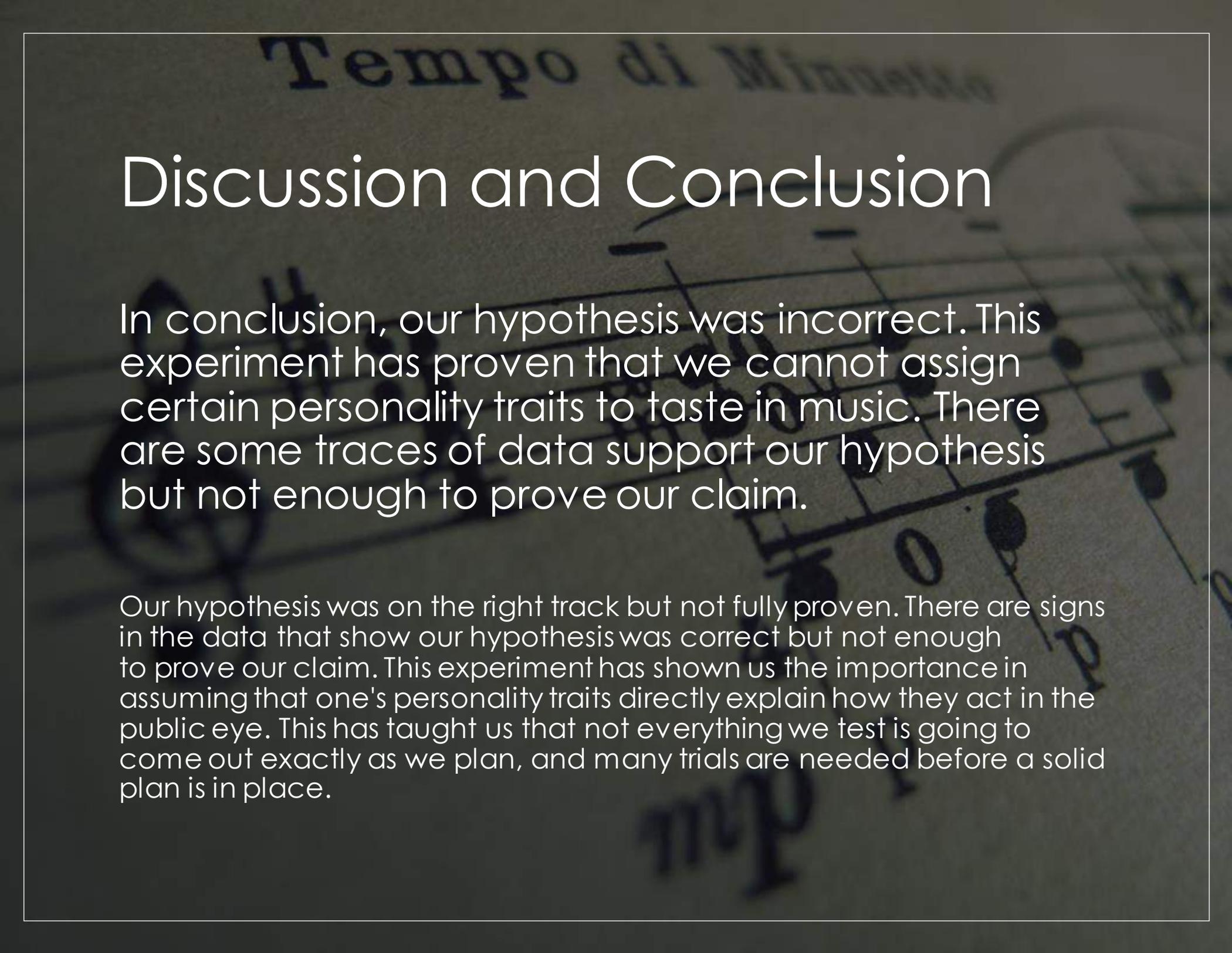
Something that is also noticeable while looking at this graph is the lack of extroverts there are almost no music opinions from extroverts which tells us that many people do not identify with the more outgoing personality type but rather the mix of an outgoing person and a shy person.

Results and Data



This smaller graph is one portion of our data which include the music choices of Reggaeton, Hip Hop, Rock, and Pop. The personality traits that are listed from left to right in each column are Hardworking, Caring, Funny, Friendly, Helpful, Loud/crazy, Annoying, Loyal Self Centered, Selfish, Unselfish and Honest. The text is too small to read so this gives some context,

As we can tell from this portion of data the majority of Reggaeton listeners are the hardworking, caring and friendly type. When we look at the category of pop music, we see that there is a variety of different personality types, but majority would go to the hardworking, friendly and caring people. This data does not prove our hypothesis because it is difficult to connect the ambivert, introvert and extrovert to these single personality traits. Just because someone is an introvert does not mean they are friendly and if someone is an ambivert it does not exactly mean that they are caring, so on and so forth.



Discussion and Conclusion

In conclusion, our hypothesis was incorrect. This experiment has proven that we cannot assign certain personality traits to taste in music. There are some traces of data support our hypothesis but not enough to prove our claim.

Our hypothesis was on the right track but not fully proven. There are signs in the data that show our hypothesis was correct but not enough to prove our claim. This experiment has shown us the importance in assuming that one's personality traits directly explain how they act in the public eye. This has taught us that not everything we test is going to come out exactly as we plan, and many trials are needed before a solid plan is in place.

Implications and Ideas for Future Research

- One implication we faced while conducting our experiment was the forming of our survey. The first draft of our survey was not the most efficient way to collect data. Originally, we were going to have our participants write a list of personality/character traits that they have and what personality/character traits friends and family members would describe the participant. As we got to plotting our data into the graph's we realized that it would be more efficient to have a premade list of personality/character traits that the participants could simply choose from.
- Some ideas for future research would be to ask all the ambiverts, extroverts and introverts if they are able to tell us why they feel like an ambivert, extrovert, or introvert and see if that will correlate with the music choices.

References

- Citations
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