

Abstract

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 personalities we know. Music is a great demonstration of how we feel on certain days and our mood at that moment, but since we choose a piece of 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.

Introduction

The idea of psychology is what piqued interest to us. Seeing what people think/feel about the topic is quite interesting. These bibliographies all circle around the same topic, which is music. 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.

An environment created with music can also influence our mood. test subjects were set up to answer a questionnaire with simple yes or no responses to these questions. The questionnaire asked if certain types of music would make them feel a certain way. From this research project that it in fact does affect our mood/ how we are feeling. Varying on the music we are listening to, it can either have a positive or negative impact.

This research is important because it helps us see deeper into human psychology, and how to express thinking/feelings with the outside world. Music is a significant factor to our internal thoughts since we relate to lyrics or certain tunes make us feel a certain way. This project can also show how certain pitches/tunes/sounds can affect us and what response we have too each.

Some sounds may help us focus while others may distract us. Seeing what certain tunes appeal to each personality and humans in general can also be seen through this research.

Certain areas can benefit from this, for example learning environments. In many situations teachers put on music for their students. Through this project I can help find out which songs are best fit for them to help aid their learning and memorization. Which can also help with their test scores and overall grades. This can also apply to work environments to make people work more efficiently or more focused.

Procedures/ Materials

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.
8. A Laptop- We will be using this to construct our survey.
9. Microsoft Forms- This will be the website we will be constructing for the survey.
10. Participants- We need willing participants that will give us truthful answers.
11. Survey- this will be created using Microsoft forms. This will be how we collect our data.

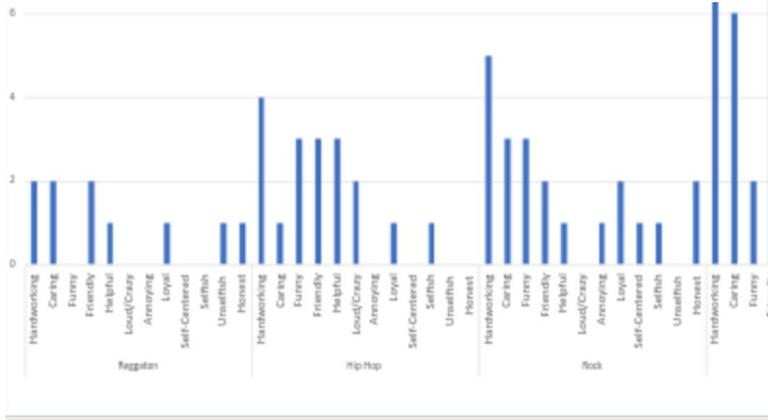
The link for the survey is below.

https://forms.office.com/Pages/ResponsePage.aspx?id=4FBwvMxLCUiSReqLZQhIZcsdPu_8IfBIv846KmVGGJ5UNThEMzVZNkZLNUJYN0RMTldVR1FUT1dPTC4u

Data Analysis Procedure:

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. We will compare the data using a graph like the one below.

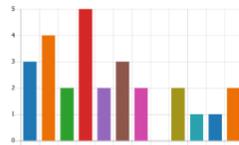
Data



4. Please select the THREE best personality traits of how your family or friends would best describe you

[More Details](#)

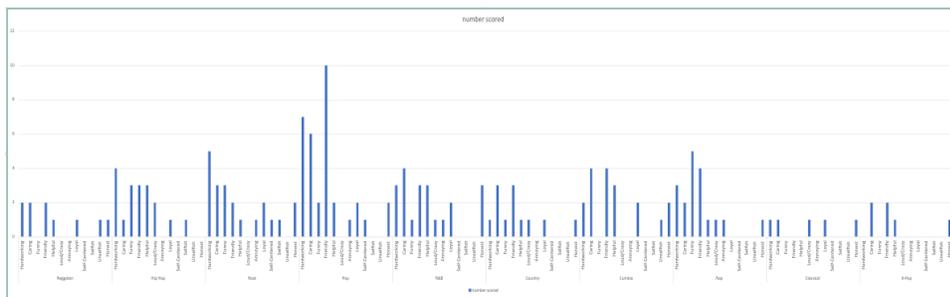
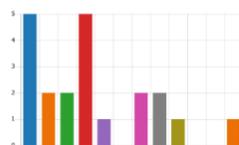
- Hardworking 3
- Caring 4
- Funny 2
- Friendly 5
- Helpful 2
- Loud/Crazy 3
- Annoying 2
- Loyal 0
- Self-Centered 2
- Selfish 1
- Unselfish 1
- Honest 2



5. Please select the THREE best personality traits that in your opinion best describe your personality.

[More Details](#)

- Hardworking 5
- Caring 2
- Funny 2
- Friendly 5
- Helpful 1
- Loud/Crazy 0
- Annoying 2
- Loyal 2
- Self-centered 1
- Selfish 0
- Unselfish 0
- Honest 1



Conclusion/ Discussion

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 supporting 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 of 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.

Risk and Safety:

Some potential risks that can disrupt our experiment are participants lying on our survey causing data to be invalid. No safety precautions are needed.

1. Human participants' research:

a. Participants: Describe age range, gender, racial/ethnic composition of participants. Identify vulnerable populations (minors, pregnant women, prisoners, mentally disabled or economically disadvantaged).

The age range will be 8–50-year-old. The participants will be either female or male. The racial composition of participants will be White/Hispanic. One vulnerable population will be minors.

b. Recruitment: Where will you find your participants? How will they be invited to participate?

We will find our participants either at school or people in our home life. We will ask them either over text message or in person. We will make sure they fully understand what we are asking of them.

c. Methods: What will participants be asked to do? Will you use any surveys, questionnaires, or tests? If yes and not your own, how did you obtain? Did it require permission? If so, explain. What is the frequency and length of time involved for each subject?

They will be asked to conduct a survey, which will give us our data. Yes, we will be using a survey. We made the survey. Yes, we ask for their permission in the survey, but it will be anonymous. The survey should only take 5-10 minutes.

d. Risk Assessment: What are the risks or potential discomforts (physical, psychological, time involved, social, legal, etc.) to participants? How will you minimize risks? List any benefits to society or participants.

There are no risks involved but if questions are too invasive, they may stop at any point. Some benefits to society will be teachers will better understand what music helps students focus more. They may use this when they play music in the classroom to see when students focus best. Participants will be able to learn more about themselves.

e. Protection of Privacy: Will identifiable information (e.g., names, telephone numbers, birth dates, email addresses) be collected? Will data be confidential/anonymous? If anonymous, describe how the data will be collected. If not anonymous, what procedures are in place for safeguarding confidentiality? Where will data be stored? Who will have access to the data? What will you do with the data after the study?

No, identifiable information will be collected. Yes, the data will be confidential/anonymous. We will give them a survey, there are no questions there that ask about any identifiable information. Data will be stored in a data table. Lindsey Hernandez, Aliyah Cardenas, Peyton Lopez, and Tara Archuleta will have access to the data. The data will remain anonymous but will be shared to whoever may have an interest in it.

f. Informed Consent Process: Describe how you will inform participants about the purpose of the study, what they will be asked to do, that their participation is voluntary, and they have the right to stop at any time.

They will be asked to sign the human participants consent form which will explain the purpose of the study. If any questions come up, they will have Aliyah's email address to ask questions. They will also be asked to conduct a survey so we may collect our data. The participation of any participants will be completely voluntary and may stop at any time.

https://docs.google.com/document/d/10cpX3hE8pVR3ZSxqQ7nIYCio0Df-8ETMz4h_3yhgsU/edit

Citations

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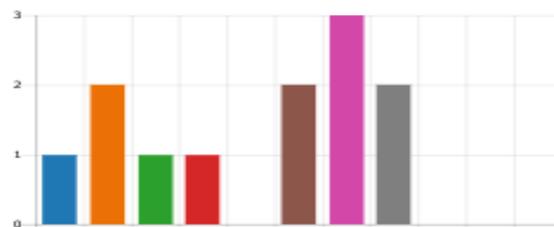
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Data Check #1

2. Please select TWO of your favorite music genres

[More Details](#)

● Reggeaton	1
● Hip Hop	2
● Rock	1
● Pop	1
● R&B	0
● Country	2
● Cumbia	3
● Rap	2
● Classical	0
● K-Pop	0
● Other	0



3. Are you an introvert, extrovert, or ambivert?

[More Details](#)

● Introvert- a shy person, likes al...	2
● Extrovert- outgoing, likes atte...	1
● Ambivert- a mix of both introv...	3



4. How would a friend or family member describe your personality?

[More Details](#)

6
Responses

Latest Responses
"Protective, caring, clumsy, and playful/funny. "
"Loud, nosy, and a lot. "
"Caring and hardworking. "

5. How would you describe your personality?

[More Details](#)

6
Responses

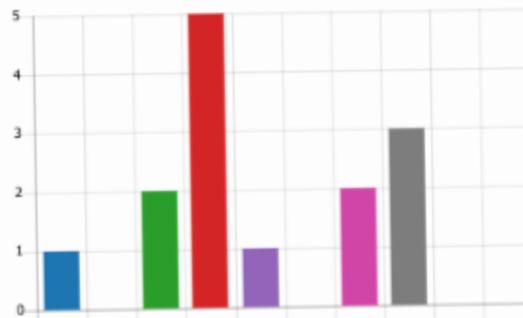
Latest Responses
"Shy, worrisome, protective, and nice. "
"Quiet, conservative, and opinionated. "
"Kind and motivated. "

Data Check #2

2. Please select TWO of your favorite music genres

[More Details](#)

● Reggaton	1
● Hip Hop	0
● Rock	2
● Pop	5
● R&B	1
● Country	0
● Cumbia	2
● Rap	3
● Classical	0
● K-Pop	0



3. Are you an introvert, extrovert, or ambivert?

[More Details](#)

● Introvert- a shy person, likes al...	3
● Extrovert- outgoing, likes atte...	1
● Ambivert- a mix of both extro...	3

