Science Science Fair Project

Table of Contents

Science Fair Contract, Topics, and Questions - Draft
Assigned: October 31st ___/200
Due: Nov 7th

Background research and Hypothesis
Assigned: Nov 10th ___/200
Due: Nov 17th

Materials, Procedures, and Variables
Assigned: Nov 20th ___/100
Due: Dec 2nd

Experiment, Results and Conclusion
Assigned: Dec.8th ___/200
Due: Dec 17 (Trial 1)
Jan 7th (Trial 2 & 3)

Rough + Final Draft Report
Assigned: Jan.12th ___/100
Due: Jan.27th

Final Project - Display Board Report
Assigned: Jan.12th ___/100
Due: Jan 27th

Science Fair topics template

Step-: 2 Project Ideas Proposal

Name, Last Name:

Assigned: 10/27

Deadline: 11/05

1st Idea: Topic Health Benefit on Different Fruits.

2nd Idea: Topic People responding to the same drug differently.

My Final idea: Color personality analysis.

Question:Our big question is will people with the same favorite color have the similar personality traits and act alike?

Resource(s):National library of Medicine and Binus university

Science Fair Topics - Draft

Write down the topic you chose:

Your favorite color can explain your personality.

What made you want to pick this topic?

Because I wanted to know if your a fav color connects to your personality.

Do you find these topics interesting? Why?

Yes because having a favorite color and it affecting what kind of a person you are is interesting.

Science Fair Topic and Question - Final

Which topic did you choose?

Color Personality Analysis

What question(s) are you testing?

Does personality affect favorite color?

How are you going to test your hypothesis?

By asking a group of people what their favorite color is and compare personalities with each other.

Background Summary

Color Psychology is how colors influence our emotions,behavior and decisions. Color Psychology is used everyday and in our personalities as well. Studies in 2019 to 2010 had shown that your favorite color shows your personality example if a person favorite color is red they are usually bold and can be a bit impulsive. Favorite colors can say a lot of a person.

https://international.binus.ac.id/graphic-design/2022/02/02/color-psychology-what-does-your-f

avorite-color-say-about-your-personality/

https://pmc.ncbi.nlm.nih.gov/articles/PMC9806338/

https://www.empower-yourself-with-color-psychology.com/personality-color.html

Background Research Source 1

This source is a: Website _____ Other **The URL is http:// source** **Last Date of Access:**
Title of Article: **Color psychology: What does your favorite color say about your personality?**
Author's Name: [=NA
Date of Article: NA

Background Research Source 2

This source is a: Website _____ Other **The URL is http://** Shttps://international.binus.ac.id/graphic-design/2022/02/02/color-psychology-what-does-your-f **Last Date of Access:**
The website is about-This BINUS International article explores how favorite colors reflect personality traits and influence perception. It details how specific colors—such as pink for playfulness, black for boldness, yellow for positivity, and white for calmness—represent distinct psychological, emotional, and behavioral characteristics.
Author's Name: [=NA
Date of Article: NA

Background Research Source 3

This source is a: Website _____ Other **The URL is http://** favorite-color-say-about-your-personality/ **Last Date of Access:**
The website is about- Color psychology suggests that favorite color preferences, rooted in cultural, emotional, and experiential factors, can reflect underlying personality traits and emotional states.
Author's Name: [=NA
Date of Article: NA

Science Fair Hypothesis

TITLE B

Our hypothesis is that people with the same favorite color will have similar characteristics in how they act and their personality.

Materials

Make a list of all the Materials you used for this experiment

Website

People

Paper

Pencil

computer

Procedure

What are the steps you followed during this experiment?

Write all of them down. Make sure they are exactly what you followed while doing the experiment

We started to ask people their favorite color and ask the person that knew them best their personality traits. After that we compared people with the same favorite grouped them up and looked at their personality traits to see if they were similar .

Variables

What are the Variables of your experiment?

Dependent Variable?

Personality traits

Independent Variable?

Color

Control Variable?

Questionnaire

Testing the Hypothesis - Experiment

EXPERIMENT Collect and record data. Take pictures. Write everything in your science fair notebook, even mistakes and problems! Conduct your experiment multiple times to see if anything changes.

Results

Put your data into graph form and study you graph to see what kinds of trends you notice.

After surveying people about their favorite colors and comparing their personalities, we found that people with similar favorite colors had more similar personality traits than those with different favorite colors. These results supported our idea that your favorite color can be related to your personality.

Conclusion

Based on your results, what was the outcome?

Color did shows people personality traits.

Does your data show that your hypothesis was correct

Yes.

What kinds of problems did you have?

Most people didn't have orange as their favorite color.

What would you do differently next time?

I would ask more questions.

Final Draft Report

You will use all the information from above to put together a rough draft report.

The reason for this study was to investigate whether a person's favorite color is connected with specific personality traits. We surveyed people about their favorite color and personality characteristics with questions about their introversion and extroversion, sociability, and emotional expression. We then compared people who shared the same favorite colors. People who chose the same favorite color showed more similar personality traits; for example, certain colors were grouped with social, calm, or creative personality traits

TITLE

Applications and future research

It could help you see if two people with the same favorite color have the same personality traits. It could also show if people have different traits even though they like the same color.

Future AI systems could analyze user behavior or color preferences to predict personality types and tailor marketing materials, content, or product recommendations, such as using bold, quick messaging for Reds (drivers) or detailed data for Greens/Blues (analysts).

Final Project - Display Board Report