



Mental Health and Video Games

By Lauralee, Cade, & Nick
1/16/25

Agenda

- **Introduction**

- Overall well being of gamers
- Gaming has a overall good effect on your life

- **Problem**

- Do Video games have a overall negative impact on

- **Methods**

- We found the data
- We cleaned data
- We used code to search the data
- We used the code to make visuals

- Tools, techniques, or frameworks applied

- **Results**

- Gamers are generally happy

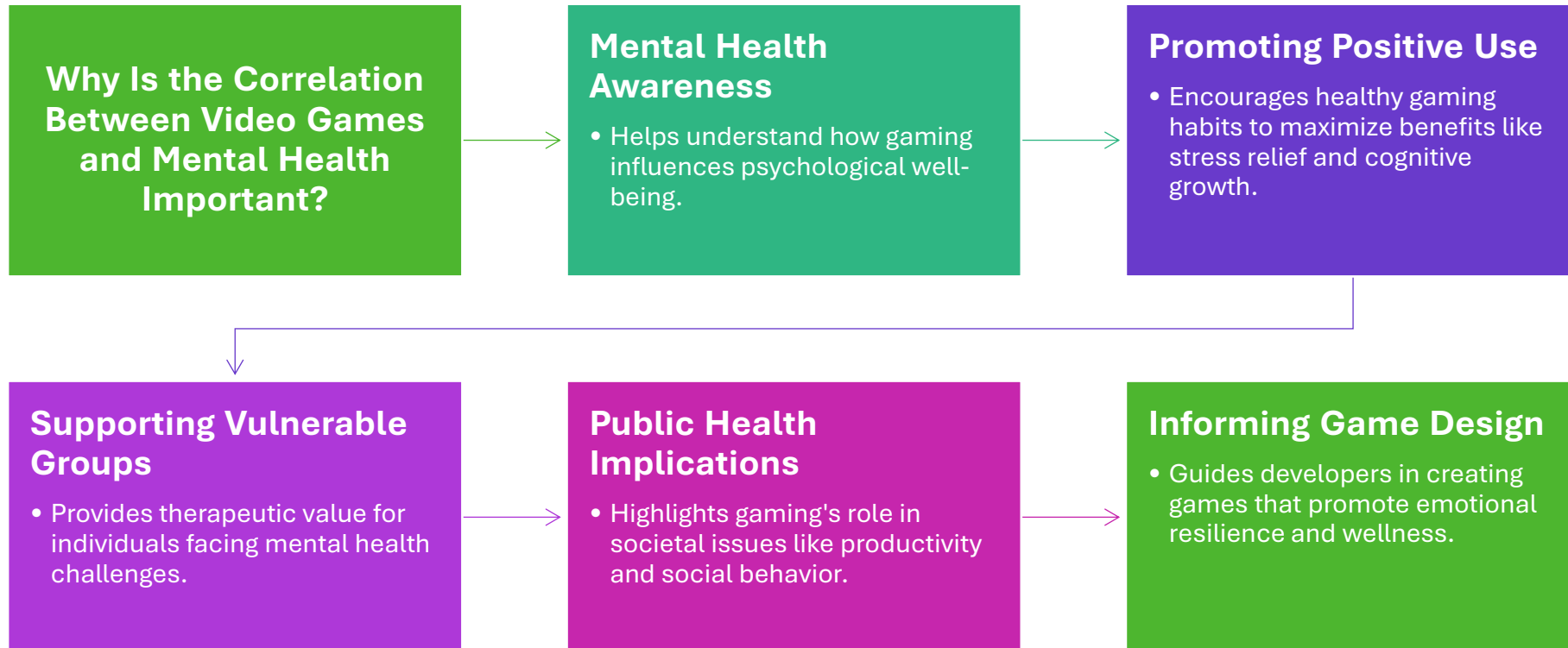
- **Conclusion**

- We found that on average gamers are happy for the most part

The Pitch

Our project set out to explore the effects of video games on mental health and overall life satisfaction. The results were clear: video games have a positive impact. They enhance cognitive abilities, reduce stress, and promote social interaction, contributing to both mental well-being and life satisfaction. Gaming isn't just about entertainment—it's about improving quality of life.

What's the problem



Objective

The goals of this project were to:

Understand the impact of video games on mental health

Explore how gaming influences emotional well-being.

Evaluate the effects on overall life wellness

Determine whether video games support or hinder life satisfaction.

Assess whether video games improve life or cause harm

Balance positive contributions against potential drawbacks.

Datasets

Data set 1

Source: <https://www.kaggle.com/datasets/alanpal/gaming-and-mental-health>

Size: 95 lines

Key features: we were able to use this one to get more data on the social aspect of gaming

Data set 2

Source: <https://www.kaggle.com/datasets/divyansh22/online-gaming-anxiety-data>

Size: 5000 lines

Key features: large, multiple results to compare

Preprocessing: we had to remove some of the info due to repetition and being unnecessary

Methods

Data Collection

- Gathered relevant data from credible sources.

Data Cleaning

- Removed inconsistencies and prepared the data for analysis.

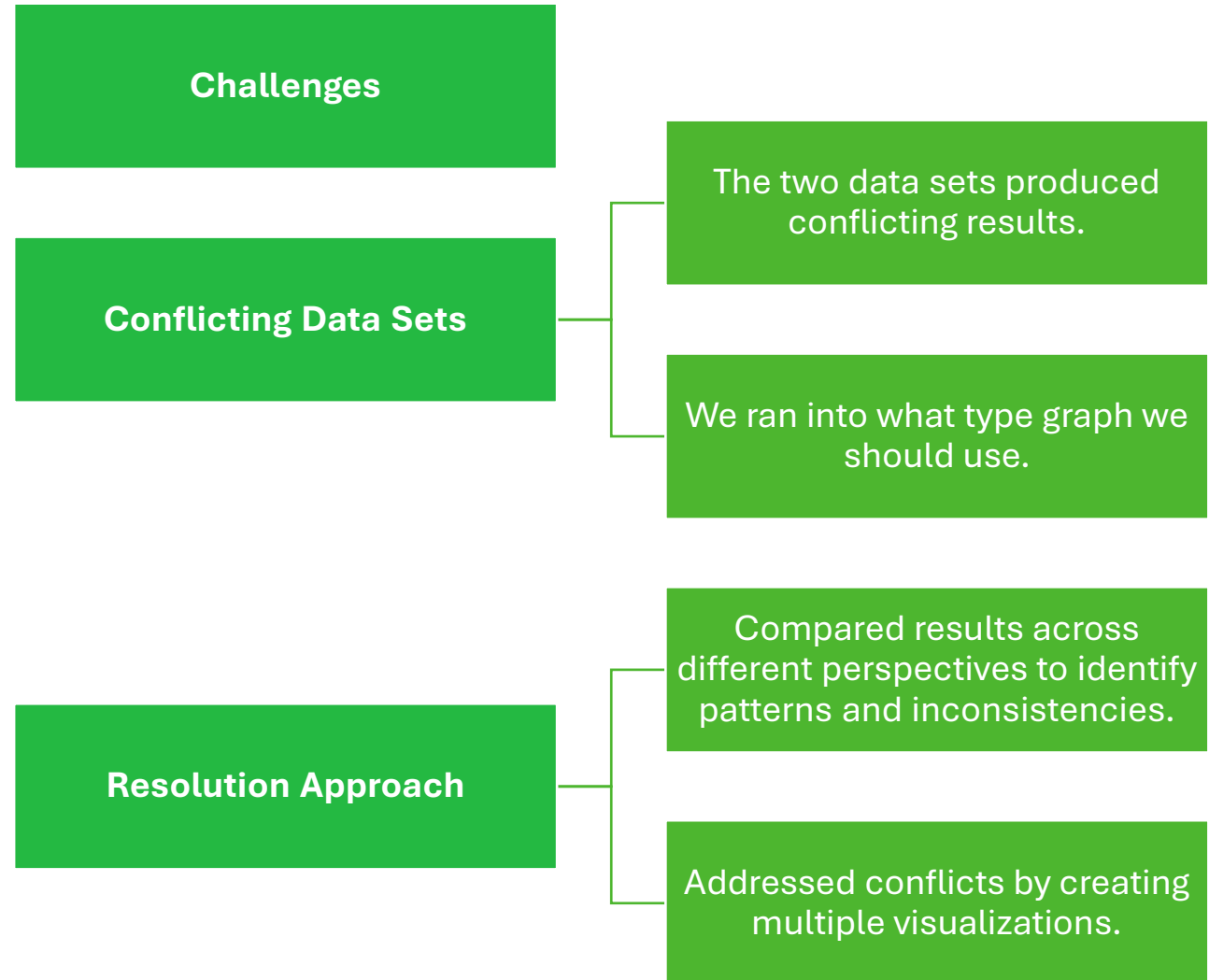
Data Analysis

- Used code to explore and search the data for meaningful patterns.

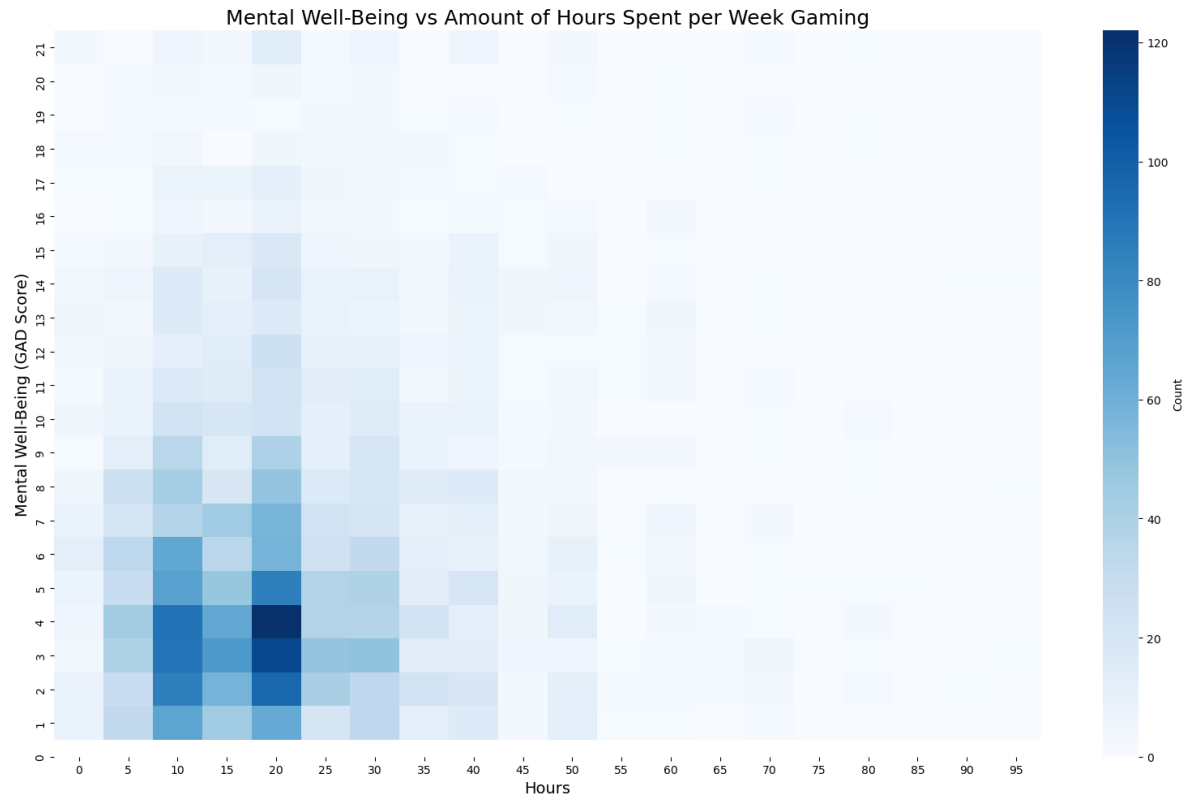
Visualization

- Leveraged coding tools to create clear, impactful visualizations.
-

Challenges



Results



Dataset 2

Size: rows

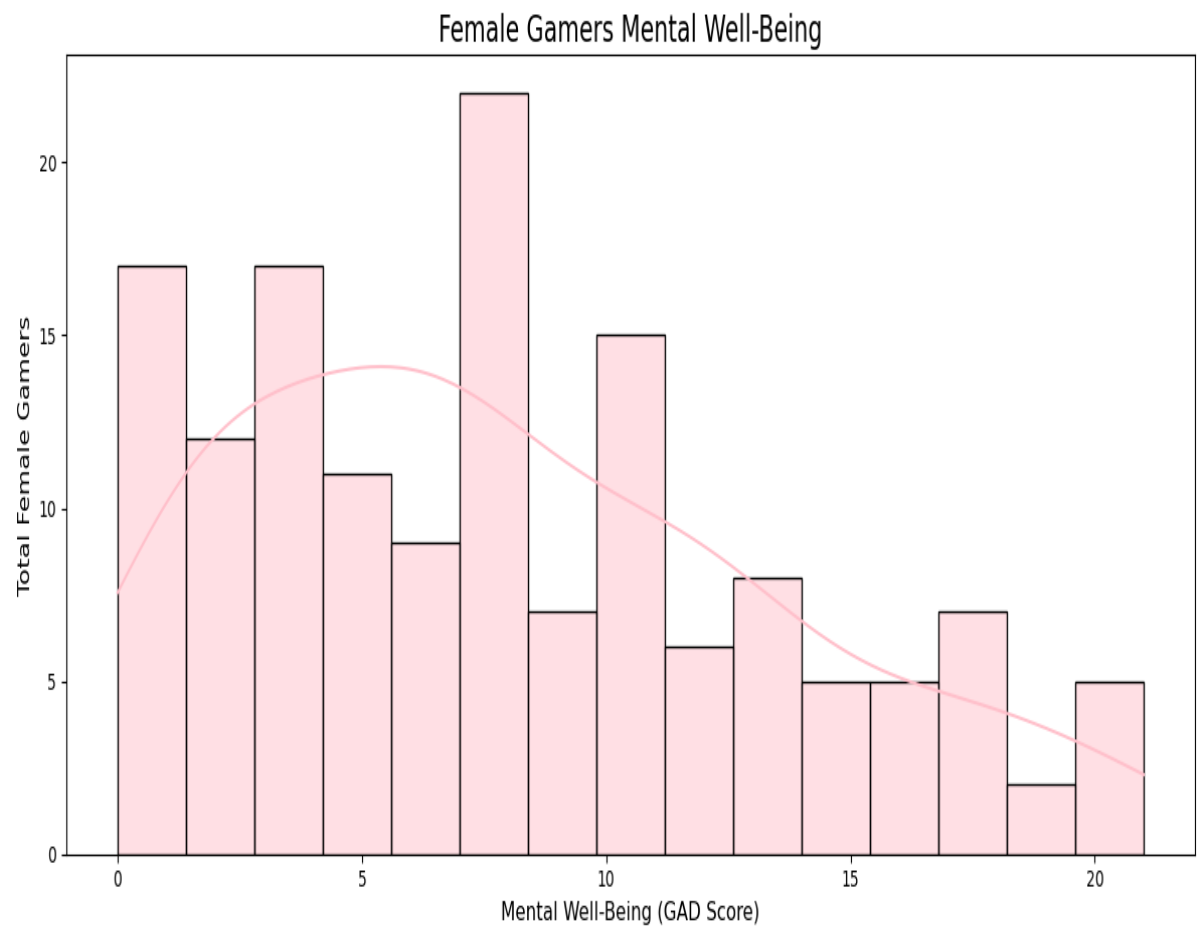
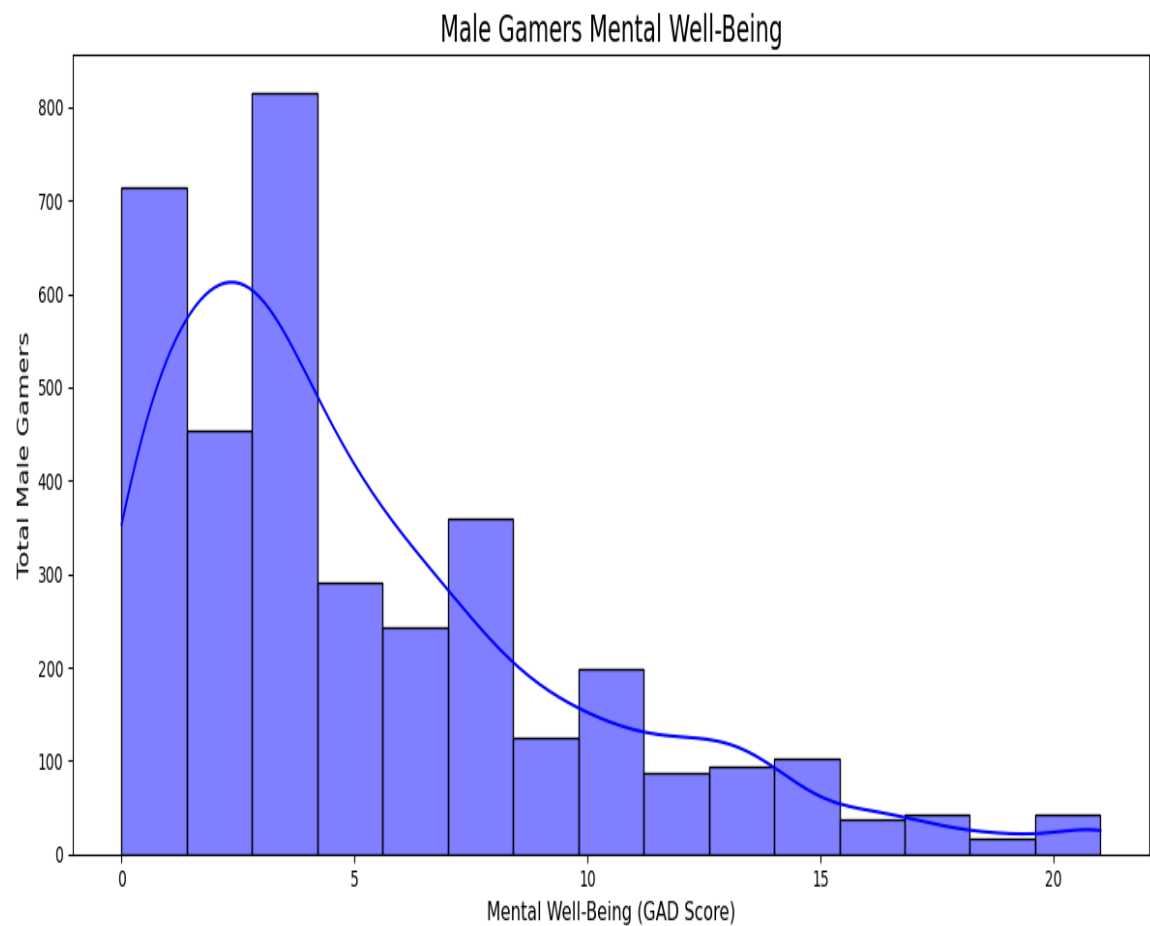
Features: GAD Score

0-5 = Very good well-being

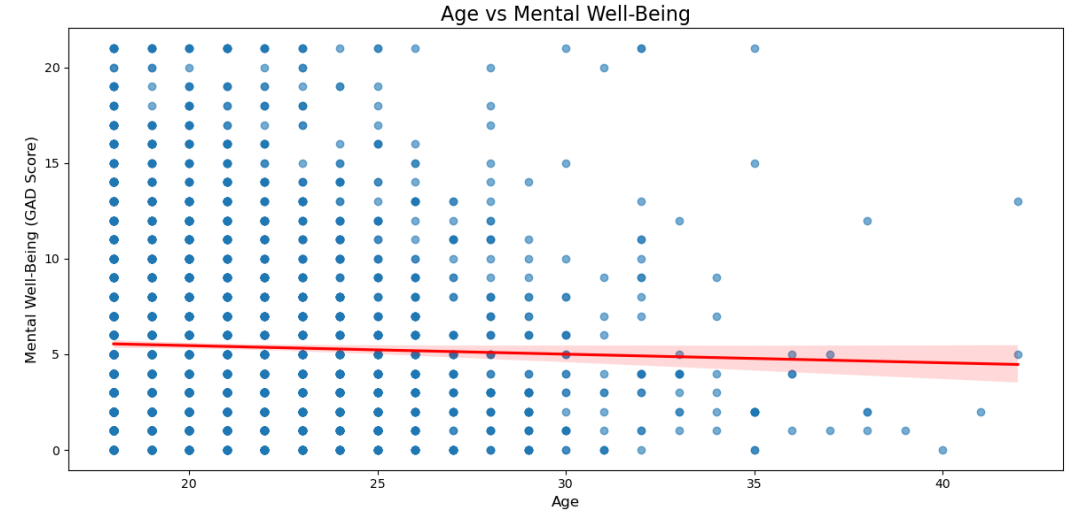
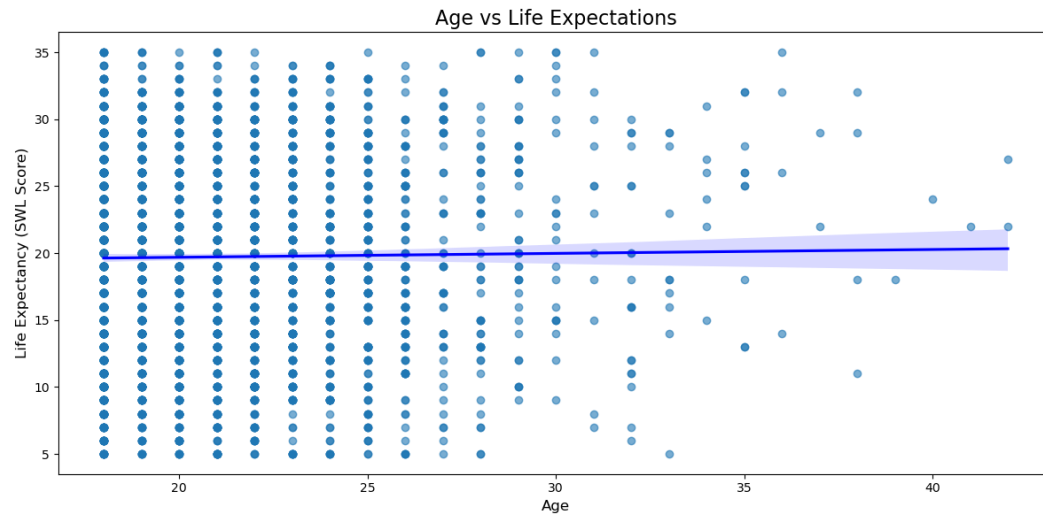
6-10 = Moderately good well-being

11-15 = Moderately bad well-being

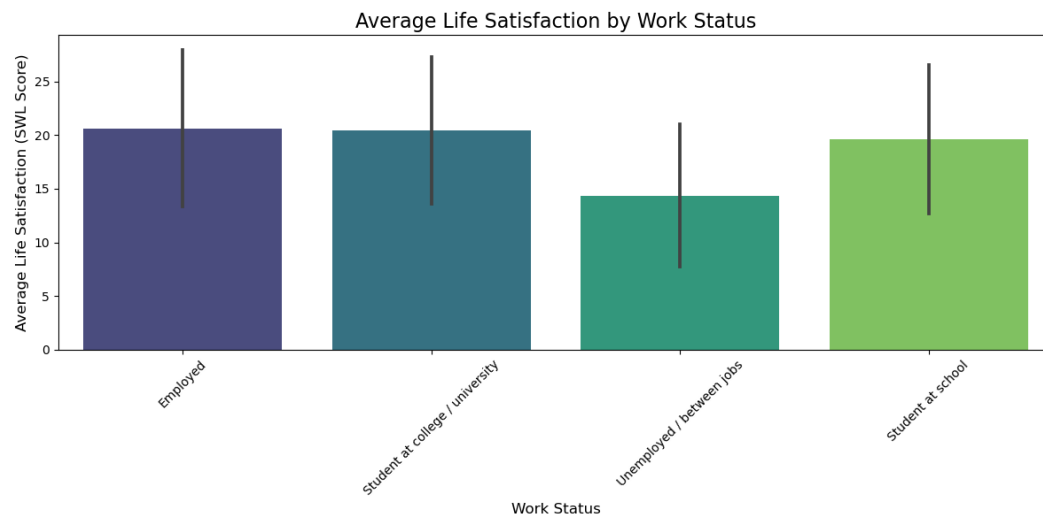
16-21 = Very bad well-being



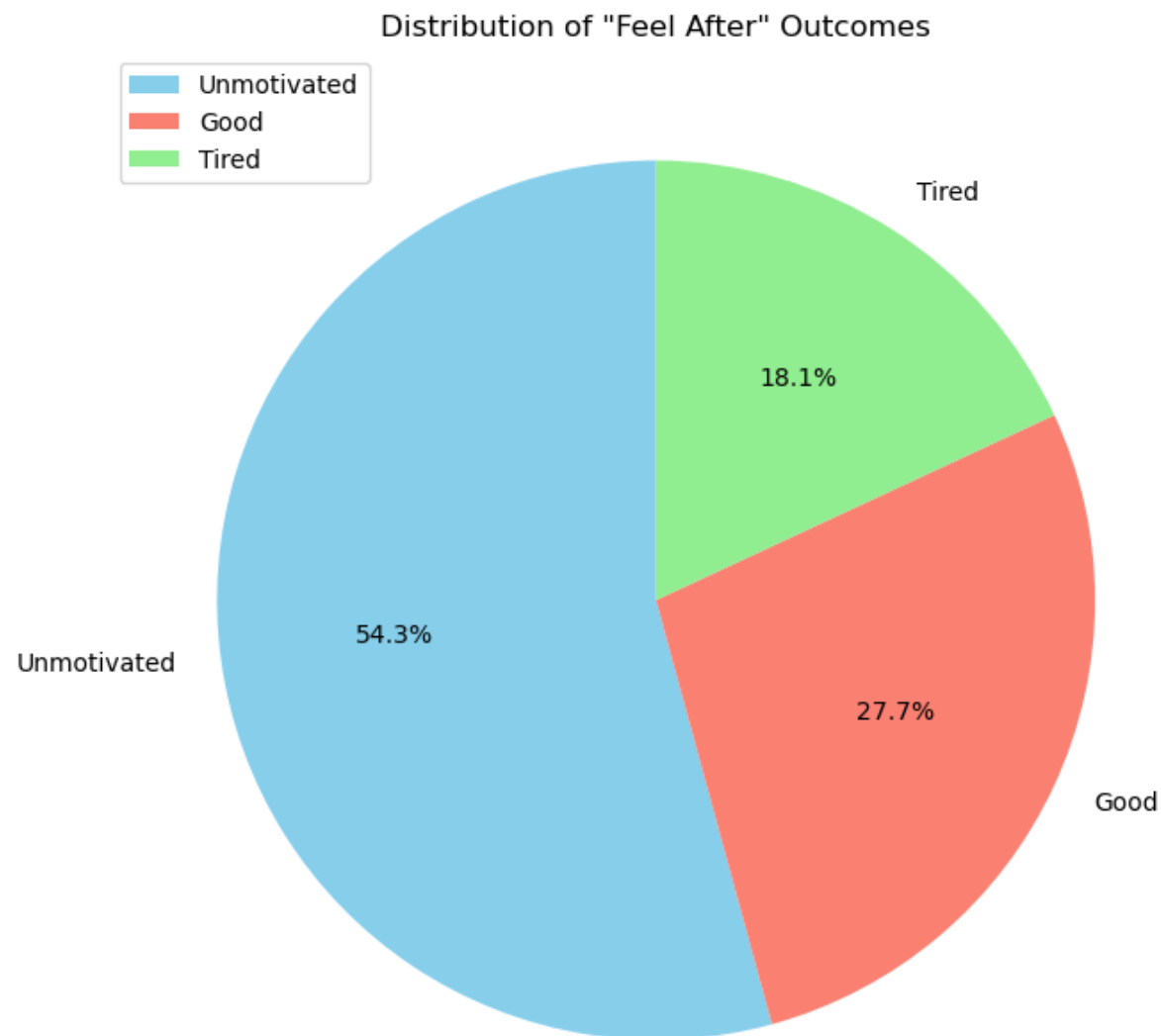
Results



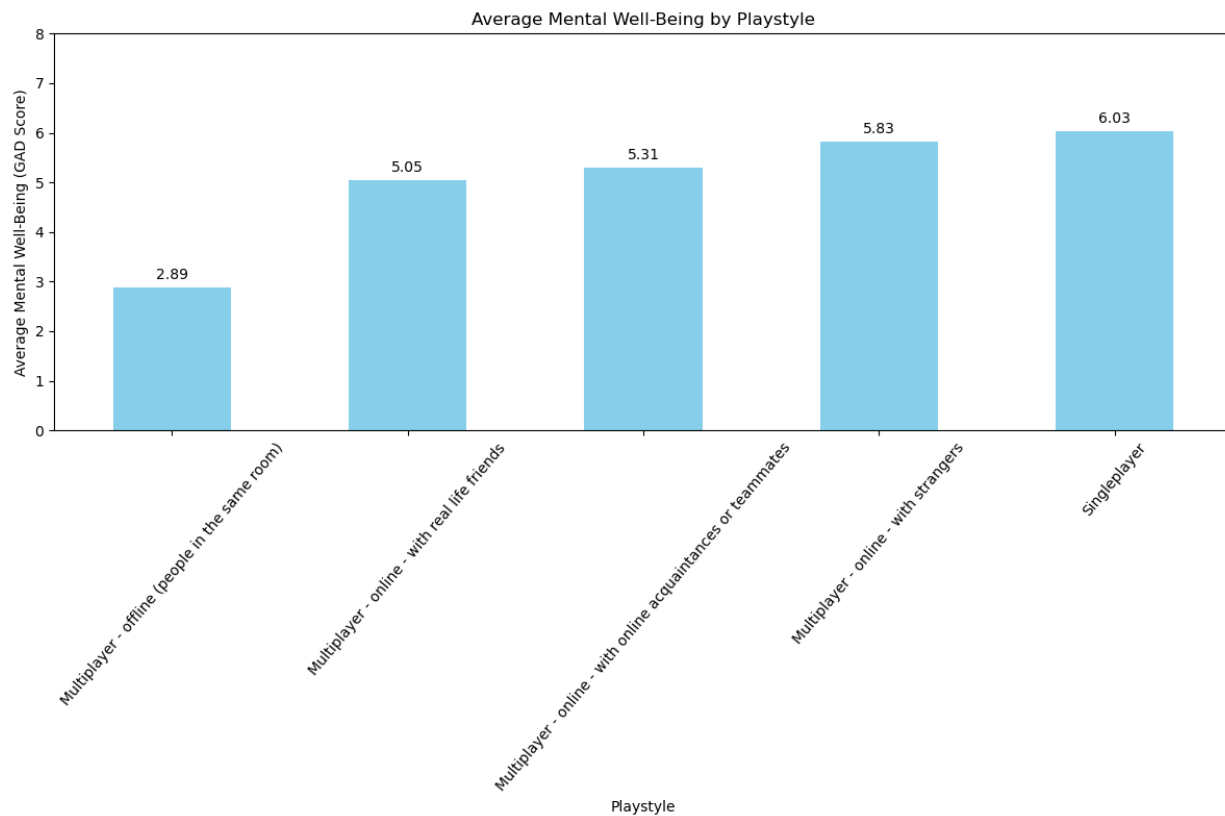
Results



Results



Results



Dataset 1

Size: rows

Features: **SWL Score**

5-11 = Very bad life satisfaction

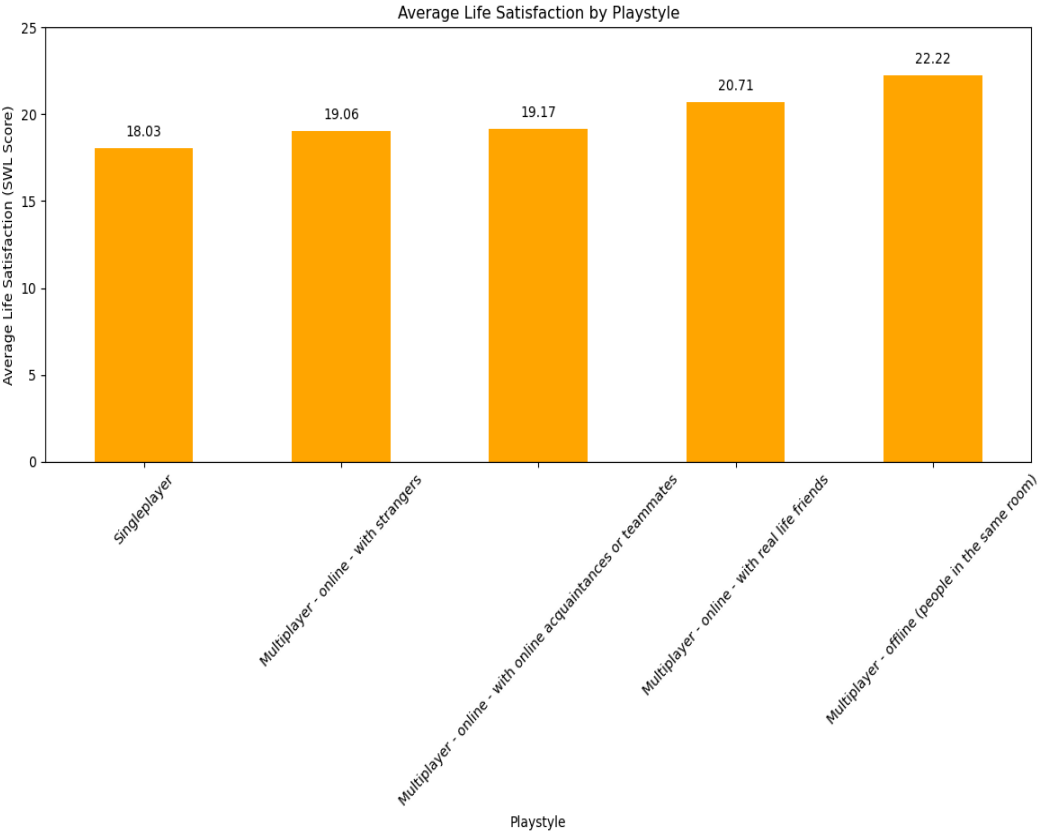
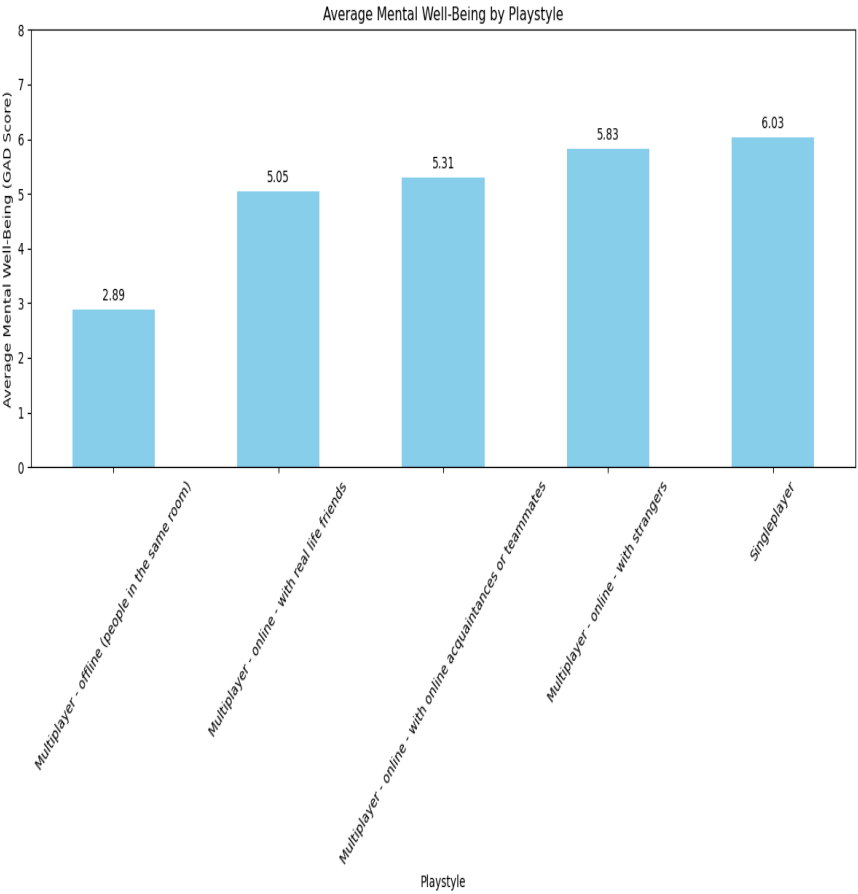
12-17 = Moderately bad life satisfaction

18-23 = Neutral life satisfaction

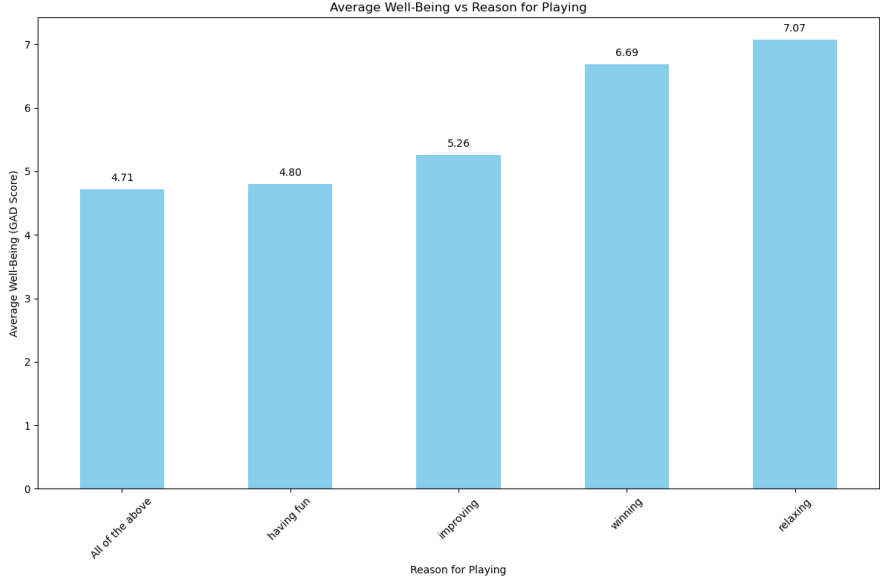
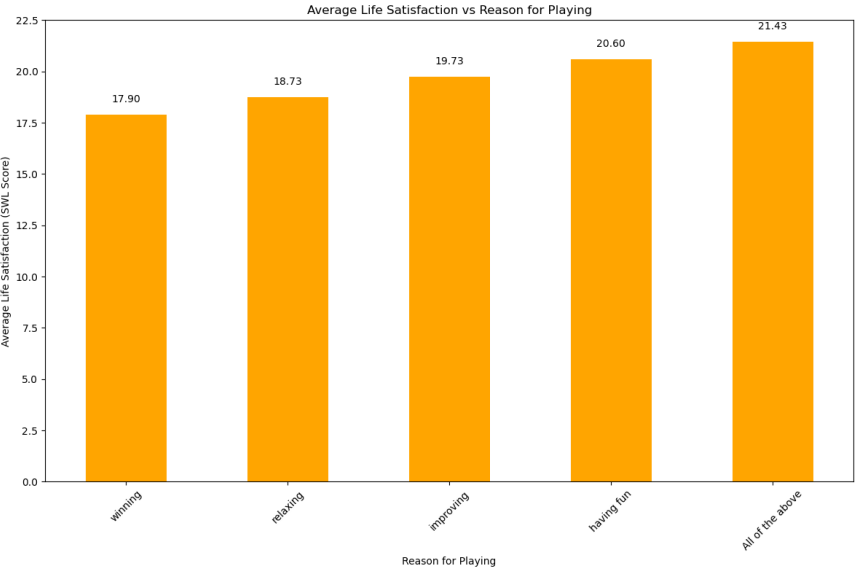
24-29 = Moderately life satisfaction

30-35 = Very good life satisfaction

Results



Results



Future work

For future work

- We would like to find and add in datasets about how video games affect physicals
- We would have liked to find a way to incorporate this data set.
 - https://agdatacommons.nal.usda.gov/articles/dataset/Data_from_The_influence_of_active_video_game_play_upon_physical_activity_and_screen-based_activities_in_sedentary_children/24666177

Conclusion

Our findings reveal that video games influence overall well-being in meaningful ways. They have the potential to positively impact mental health, enhance life satisfaction, and provide benefits that go beyond mere entertainment. While the effects can vary by individual, the evidence suggests that gaming can play a valuable role in promoting overall wellness.

References

Dataset 1: Gaming and Mental Health

<https://www.kaggle.com/datasets/alanpal/gaming-and-mental-health>

Dataset 2: Online Gaming Anxiety Data

<https://www.kaggle.com/datasets/divyansh22/online-gaming-anxiety-data>

Q&A

The End

