World Happiness Report

(COMP3125 Individual Project)

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*Abstract*—This electronic document is a “live” template and already defines the components of your paper [title, text, heads, etc.] in its style sheet. *\*CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract*. (*provide a short abstract*)

# Introduction

# Happiness is one of the most important things in human life. This project explores World Happiness, focusing on the factors contributing to happiness, and how these factors vary across different countries and demographic groups. Using data from the World Happiness Report, the World Bank, and other global datasets, I will explore trends and develop correlations that provide a deeper understanding of global happiness. There are a few questions that are guiding this analysis: How have global happiness levels changed over time? Are there common trends or anomalies? What demographic groups consistently report higher happiness, and what unique cultural or social conditions contribute to this? Furthermore, how do factors such as economic stability, education, and access to technology influence happiness levels? Current research highlights that happiness is extremely complex, influenced by a combination of personal, social, and structural factors. For example, countries with stable economies and robust education systems might report higher happiness levels.

# Datasets

## Source of dataset (Heading 2)

In this part, you should introduce your datasets. Where did you download it? Is it a credible source? When were the datasets generated? How were the datasets generated by the creator? If you create the datasets, how did you generate it?

## Character of the datasets

What’s the format and size of the datasets? What parameters/columns/rows/character and their units are included in this dataset. Use a table to explain this is recommended. Did you clean the data or convert any unit in the dataset? If so, what’s the formula/rule did you apply? Did you combine any datasets? If so, how do you combine them? Did you create any new category for analysis in the datasets? If so, what and how do you create?

# Methodology

In this part, you should give an introduction of the methods/model. First, what’s the method/model. What’s the assumption of this method/model. What’s the advantage/disadvantage of this method/model. Why did you choose it. What Python module or function do you apply to apply this method/model. Any optional input/extra work did you adjust to make the results better. If you have multiple methods, feel free to use subsection A., B. to separate them.

## Method A

## Method B

Identify applicable funding agency here. If none, delete this text box.

## Method C

# Results

In this part, you need to select a reasonable way to deliver the result of your topic. For example, equation or numerical results, or visualization of your result. You also need to provide a clear explanation of all results and how to understand the results. If there exist any unexpected results, please explain why or possible cause of this special result. You can use subsection A. B. to separate your results.

## Result A

# Discussion

Every method/project has its shortage or weakness. Please discuss the unsatisfied results in your project. And discuss the feasible suggestions of future work to revise/improve your result.

# Conclusion

In this part, you should summarize your project. What important results did you find for your topic and what’s the effect of this result on the real-world?

##### Acknowledgment *(Heading 5)*

##### References

The template will number citations consecutively within brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]—do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence: “Reference [3] was the first ...” Unless there are six authors or more give all authors’ names; do not use “et al.”. Papers that have not been published, even if they have been submitted for publication, should be cited as “unpublished” [4]. Papers that have been accepted for publication should be cited as “in press” [5]. Capitalize only the first word in a paper title, except for proper nouns and element symbols.

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