

This is a Data Science project working with the UCR Administrations for developing an interactive application useful for current and future students.

# MAJOR CHOOSING APP

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## Purpose

This project's purpose is to develop an interactive application that essentially is a questionnaire that students and aspirants can answer to determine which tracks at UCR they should choose.

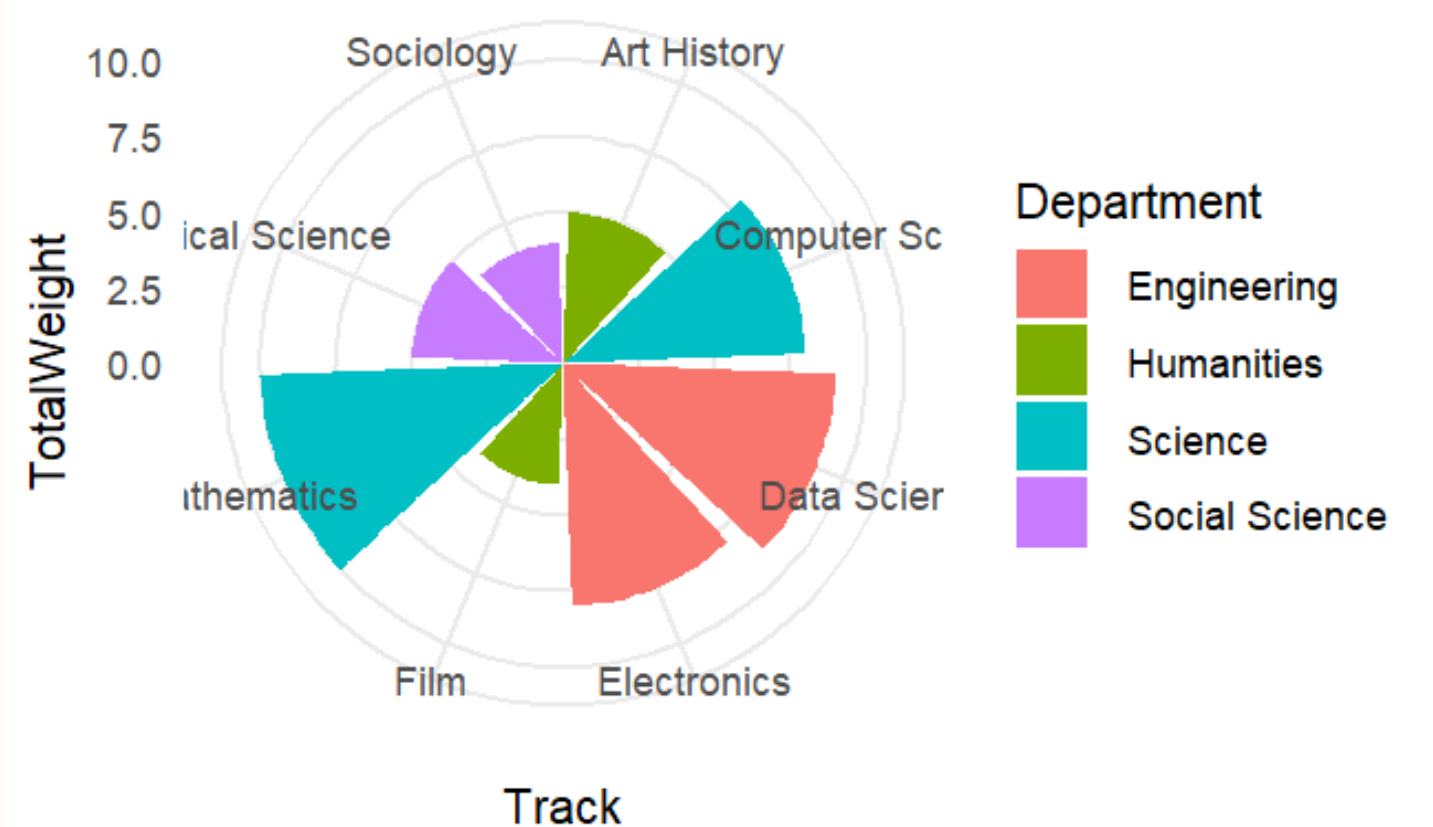
- It is a helpful orientation tool.

## Relevance

The main motivation for this project is to successfully develop an interactive application that is useful for (especially) UCR applicants.

- This project is also practical for presenting the value of the UCR program by showing its flexibility and adaptability.

```
p <- ggplot(data_final, aes(x = Track, y = TotalWeight, fill = Department)) +  
  geom_bar(stat = "identity") +  
  coord_polar() +  
  theme_minimal()  
p
```



## Steps taken and Progress

1. Inspiration from other quizzes led to a simplified attempt.
2. 5 questions and 2 tracks per department.
3. Data creation.
4. Making sure the plot can be made.
5. Developing slightly the interactive app (still here).

## Future Steps

1. Finish the responsiveness of the interactive app.
2. Find relevant questions for the questionnaire, based on studies of career orientation.
3. Apart from the graph, maybe I would like to output a major and a minor.
4. Career pathways or skills.

## Struggles

1. Deciding on the data structure was hard, because you also have to consider the functionality of this data for further steps.
2. The plot was hard to create but because the .csv files I created were being read wrong and I had not checked the data. Check your data!
3. I am currently having issues with the responsiveness of my app.