

Python Project:

Disc Golf database and simple local Dash app visualization board

Disc golf is a sport similar to regular golf, but instead of clubs and a ball, it is played with discs or “fribees” and the holes are metal baskets.

Since many applications in the sport track only the number of throws made per hole and they usually do not show statistics over time per course or a specific hole, I have decided to expand the visualizations to get insights what part of the game I could improve in.

Sadly, the data can not be legally gathered automatically from the existing applications or they do not support entering all the data I am interested in. I have to add new data to the database manually by myself after rounds.

For this project, I will only include my current home course in St. Pölten, but I will create the database scheme so that later new courses can be added.

Dash app and database

I will draw data from database (possibly sqlite3, still undecided before we learn about databases in Python) and use pandas library to produce Plotly visualizations through local Dash application.

Visualizations I will at least have (depending on time availability, I might add more):

- Hole-by-hole break down (average of past scores of each of the holes in the course)
- Average putts taken (On average how many putts until the hole is finished)
- Off the tee-statistics (where do I end up after the first shot from the tee)
 - Par 3: Circle1, Circle2, Off the circle
 - Par 4&5: Center fairway, left of fairway, right of fairway

I don't want to create too large scope due to workload so I will add more statistics if I finish the project early and have the spare time.