

## Commit Nine Update

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Following the preliminary grading session with Vivian and Ian, we had to make the following changes had to be made to our code:

### Jack's Improvements

- Different types of graphs (too similar to class examples)
- Extra visualisations for extra credit

### James' Improvements

- Limit to 25 items entries added to the database at a time
  - So code would have to be run 4 times to get 100+ entries  
(Using my friend's data for example as he has over 100 activities)
- No duplicate string entries - integers instead
  - For example in the weather table, the weather\_main, weather\_description and timezone columns have duplicate string entries.

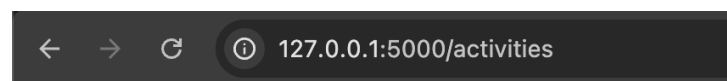
To solve this, we would have to make more tables with corresponding integer values  
Some other database columns were removed too

I also uploaded my own virtual environment to GitHub so the code can be instantly run without having to set a new one up. This makes the folder size a little larger.

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### strava.py

This new process is designed to fetch and store activities from the Strava API in batches of 25 per user click, continuing until no more activities are available. Initially, the database tracks the last fetched page for each athlete using a **last\_fetched\_page** column. When the user clicks to fetch activities, the system fetches the next 25 activities from the Strava API based on the current page number stored in the database. After fetching and storing these activities, the page number is incremented in the database to ensure the next click fetches the subsequent batch of activities. This process continues, with each click fetching 25 more activities, until all activities for the athlete are retrieved (when the API response returns no data).



## Activities fetched and stored

Fetch Next 25 Activities

Removed duplicate strings from athlete table

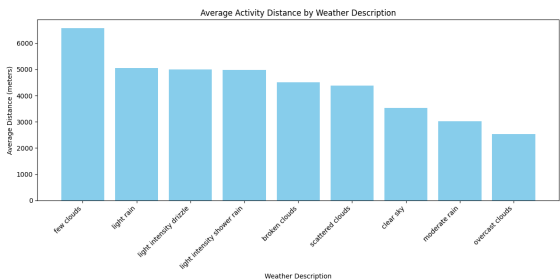
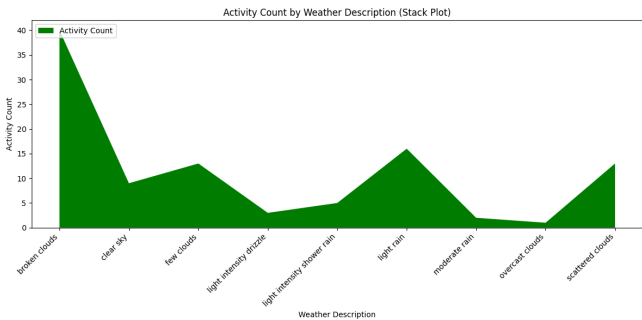
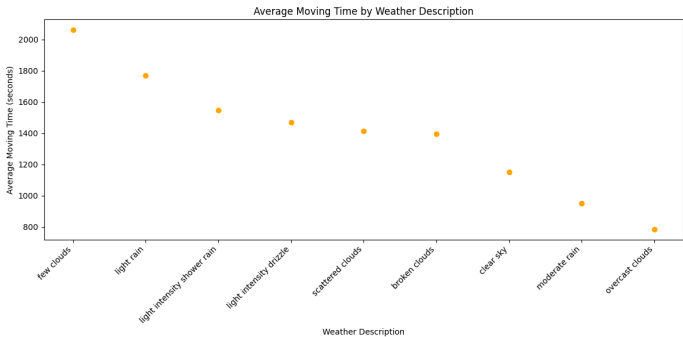
TABLES		type_id	type_na...
> activit...		Filter	Filter
> activit...		1	Run
> athletes		2	Ride
> sqlite...			
> weather	+	3	

weather.py

Removed duplicate strings from weather table

descri...	description_name
1	clear sky
2	overcast clouds
3	broken clouds
4	scattered clouds
5	light rain
6	few clouds
7	light intensity shower rain
8	moderate rain
9	light intensity drizzle
10	light intensity drizzle rain

Updated weather graphs and csv file  
New addition: activity count by weather description



activity\_count\_by\_weather

Weather Description	Activity Count
broken clouds	40
light rain	16
scattered clouds	13
few clouds	13
clear sky	9
light intensity shower rain	5
light intensity drizzle	3
moderate rain	2
overcast clouds	1