F1 Data Analytics Project



Introduction



Purpose of the project

- Exposure to database management
- Enhance data modeling skills
- Get used with ETL using Python, SQL, etc.

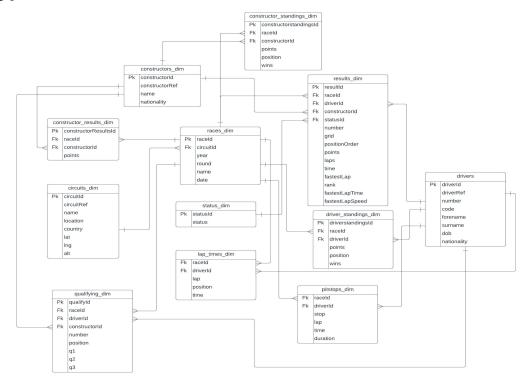
Questions to consider for this project

- Who has accumulated the most points during their career?
- What is the most dangerous circuit?

Project Implementation Steps

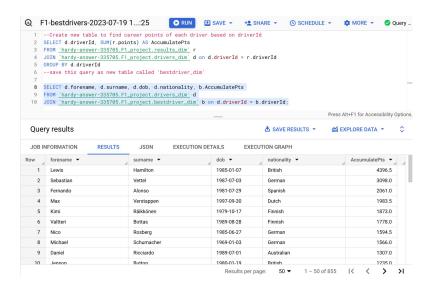
- 1. Model data using LucidChart
- Assess, clean and transform data before exporting to Cloud Storage (<u>data source</u>)
- 3. Perform SQL queries to extract data on BigQuery

Data Model

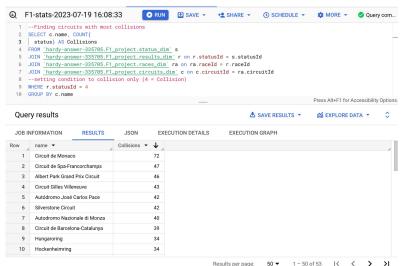


Sample SQL queries

Find drivers' career points



Find circuits with the most collisions



Codes

Python transformation codes:

https://github.com/nateVu0681147/watanabe-projects/blob/main/F1-ETLcodes.ipynb

SQL codes:

https://github.com/nateVu0681147/watanabe-projects/blob/main/F1-SQL%20 queries.ipynb

Thank you so much for having viewed this!