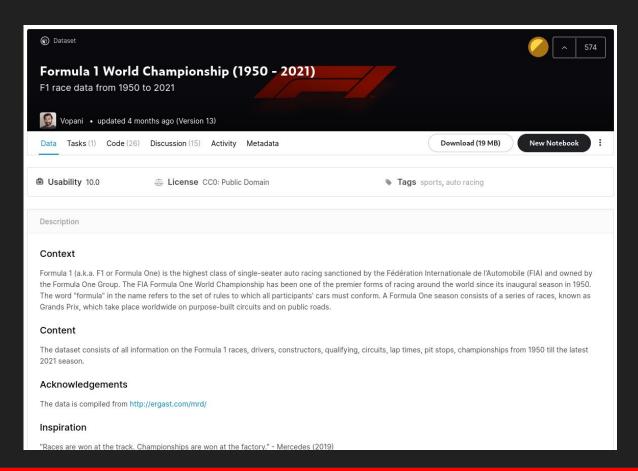
Search System Formula 1





Introduction

This project consists in a search system about Formula 1. For that we found a dataset from Kaggle that has all the information since the start of the sport.

Michael Schumacher

(Search on Drivers)

- Personal data information
- Which constructor team he raced / is racing
- Important results
- Crucial moments in which he was included (incidents, overtakes, ...)
- Career description

Q Ferrari

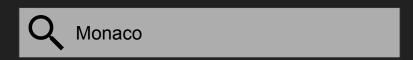
(Search on Constructors)

- History of the team in Formula 1
- Memorable results
- Most successful drivers for the team
- Actual drivers on the team

Q 2020

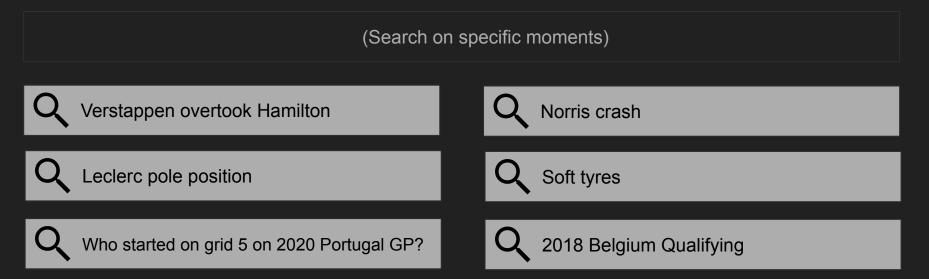
(Search on Seasons - year)

- Summary of the full season
- Crucial highlights
- Champions (driver and constructors)



(Search on Circuits)

- Location
- How many times that city/country hosted a race
- Most successful drivers on that track/country
- Track description (how many turns, DRS zones, ...)



List of events, explanations, answer search, ...

Data Collection

Datasets

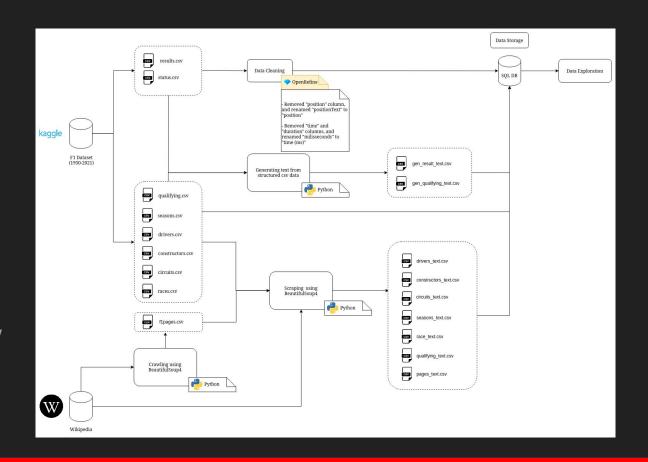
- Formula 1 World Championship (1950 2021)
- o Seasons, Drivers, Constructors, Circuits, Races, Qualifying, Results

Wikipedia

- Many CSV files have Wikipedia URL links to complement information given
- We used these URLs to generate CSV files with text, so we can enrich our amount of data
- 1 additional CSV added with text of F1 related pages: regulations, awards, licenses, ...

Data Preparation

- Cleaning data on qualifying, results and status csvs with OpenRefine
- Generating plain text from dataset's csvs
- 3. Crawling wikipedia pages using BeautifulSoup
- 4. Scraping 7 files using
 BeautifulSoup, creating new
 files with paragraphs from
 Wikipedia



Thank you!

Group 23