

## **DATA MANAGEMENT PROJECT**

### Group members:

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### Type of project:

usage of MongoDB as tool (5th idea among the possible ones)

### Description of dataset:

the following dataset contains information about all the previous 74 Formula 1 championships. In particular, information are stored as csv files and they are related to circuits, constructors, drivers, race-weekend data (race results, qualifying, ...) and seasons.

### Brief description of the aim of the project:

By using MongoDB, it is wished to achieve a good knowledge about that tool for efficeintly storing and accessing the above described dataset, and also making some studies on it. Some examples of these analysis can be related to the performances of a constructor during a season, the average points scored for each driver during all the years it raceses for the same team, the final ranking of the season compared to the average position of the drivers and the difference of performances between drivers of the same team. Where possible, the schema of the dataset and the results of the analysis will be showed through schemas and diagrams offered by the tool.

### Link to the tool:

<https://www.mongodb.com/>

### Link to the dataset:

<https://www.kaggle.com/datasets/rohanrao/formula-1-world-championship-1950-2020>