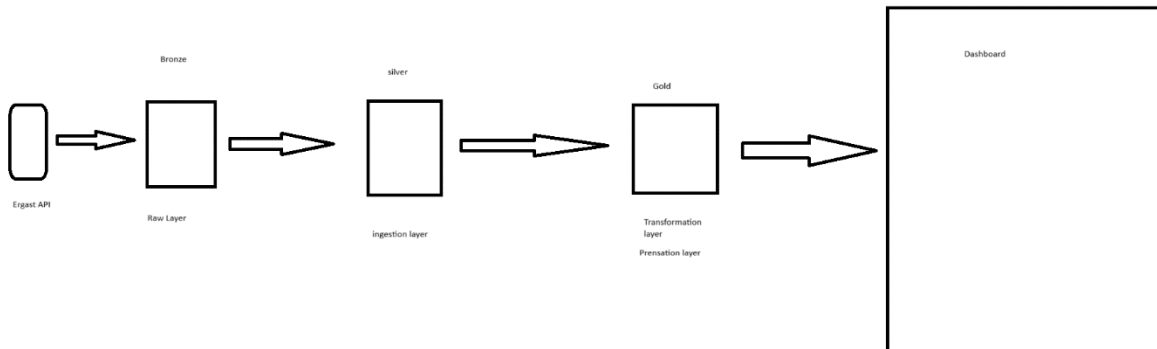# FormulaOne

FormulaOne Project details:

1. happens once a year

2. roughly 20 races

3. each race happens over weekend - friday to sunday

4. roughly 10 teams participate in each season

5. each has 2 drivers

6. each driver has car

7. 2 practices on friday

8. final practice session saturday morning

9. saturday afternoon - qualifying session will happen it as 3 stage

10. based on qualifying rating - main match position decided

11. 50 to 70 laps - circuit - based on circuit length - laps count will be decided

12. during race - pit stop, damage stop

API URL: https://ergast.com/mrd/db/#csv

input file details

1. circuits - csv

2. races - csv

3. laptimes - multiple csv

4. qualifying - mulple csv

5. constructors - single line json

6. drivers - single line json

7. results - single line json

8. pitstops - mulitple line json

High-level Architecture [Need to update]

Repo structure

de_formula_one [Project Name]

- Ingest
    - .py
- Transfom
    - .py
- Utils
    - .py
- Readmi.md

Input data location:

https://drive.google.com/file/d/1VLyif3x7rEYuQxZC3zwTVMIzpcKbVaEa/view?usp=sharing

Gold layer

https://www.bbc.com/sport/formula1/latest