Tour De France

Project Overview

[Click here](https://mavenanalytics.io/project/7143) to view submission to Maven challenge

**Aim :** To create an infographic style visual using the dataset of Tour de France from Maven Analytics playground.

**Goals :** To educate new viewers, highlight the magnitude of the event, and build anticipation for this year's race.

**Dataset :** Tours, Winners, Finishers, Stages as .csv files

**Project Description :**

This infographic style visual was created keeping in mind **both the technical and non-technical audience**

1. *Data Preparation* – Excel (Text functions, Data types, etc.)
2. *Exploratory Data Analysis* – Power Pivot and Pivot table were used to analyse the data (Unnecessary columns were identified, Data types were managed, Missing rows were handled by ignoring them, Univariate analysis – Histograms, Box plots, Bivariate analysis – Scatter plots)
3. *Data Modelling* – Power BI's Power Query was used for data modelling. Although the Year field was available in all tables, it wasn't a good candidate to connect them in some combinations, as it caused a Many-to-one relationship. Some combinations of tables dint need joining, as the tables contained everything necessary. So all were hanging tables.
4. *Data Visualization – The* entire infographics was designed keeping in mind to **educate new viewers**, **pull non-EU viewers** and **highlight its magnitude.**

⇾The first section contains an **Introduction & Summary** of this grand event along with different stage types, event description, prize amount along with the top 5 performing countries and top Non-EU finishers.

⇾ The Second section contains the S**ummary of the Tours** held thus far Cards Scatter plot (relationship between race distance and race finishers)

⇾The third section contains a **Summary of the Stages and Winners** of the tours Pie chart – Distance across different stage types Area chart – Stage types over years (Grouped into main category of Flat, Hilly, Mountain,Time Trial) Bar chart – Non-Eu stage type winners, stages won vs riders Tables – Winning Margins, Unique Riders Waterfall chart – Top 7 winners Tree map- Non-Eu Winners Other facts ⇾ Welcoming the audience to follow 2023 tour using an QR ode to reach the official website of Le Tour de France 2023.

**Conclusion :**

* *Infographic Visual* – So, no slicers/ Tooltips/drill down/multipage
* *To educate new viewers* – First Section Introduction & all the summary cards (**Targeted non-EU users depicting their contribution to the events**)
* *Highlighting the magnitude* – Cards, Charts, and facts ( Eg : **Total tours, participating countries, price, distance, and speed)**
* *Build Anticipation* – Facts and Charts (Eg : **Fastest rider average speed = Zebra, Gorilla avg. speed)**

**Icons :** Canva, Lovepik, Flaticons