

TOUR DE FRANCE

Data Visualization

Software Used

Tableau – Data Visualization

Tableau Prep – Data Cleaning & Grouping

Adobe Photoshop – Graph Splicing

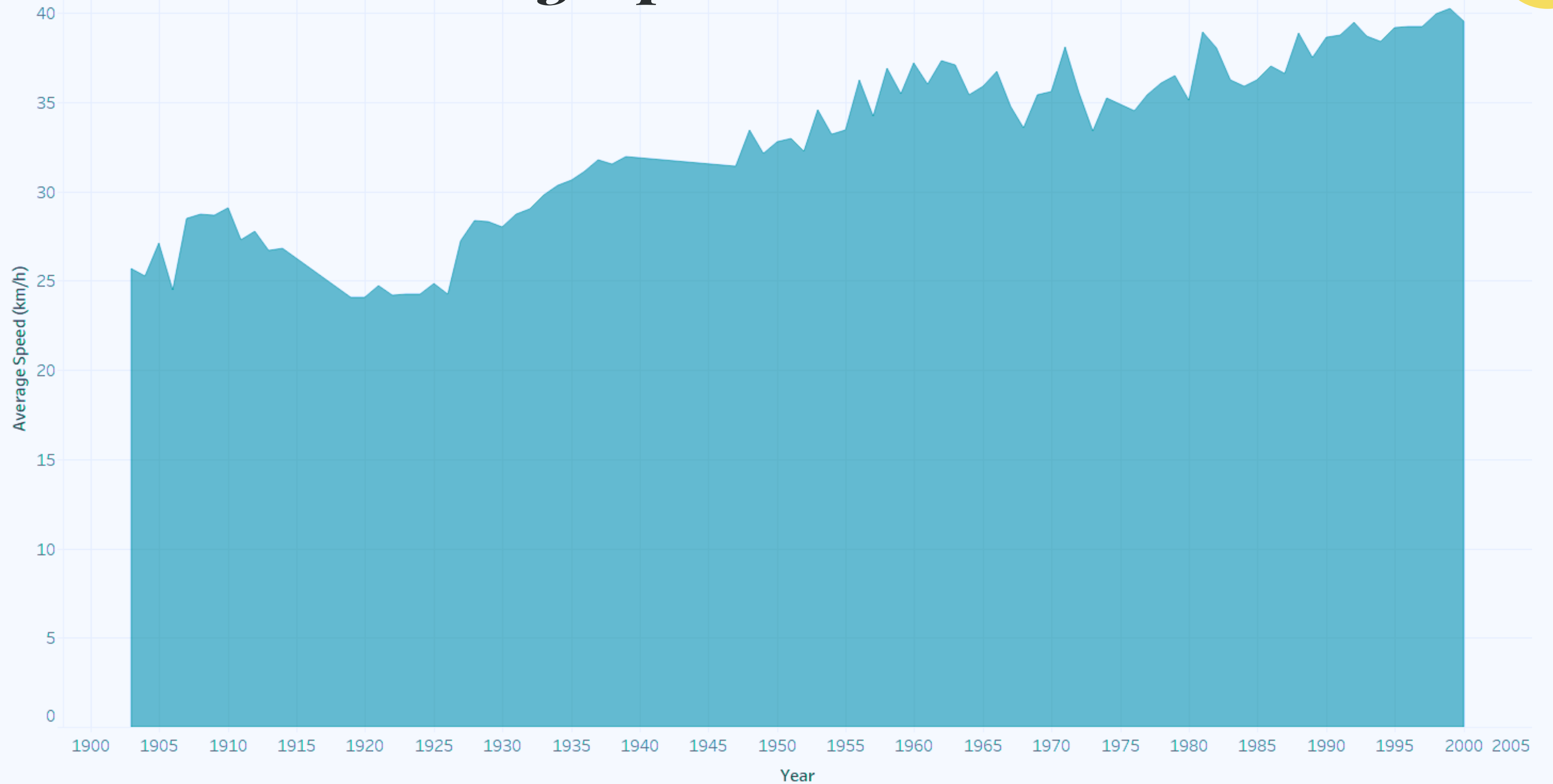
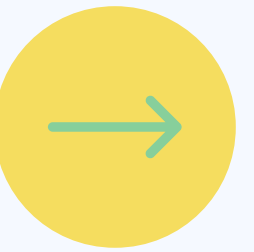
Canva – Presentation / Additional Fonts

Storytelling through
Visualization

Chris Reynolds
Spring 2024



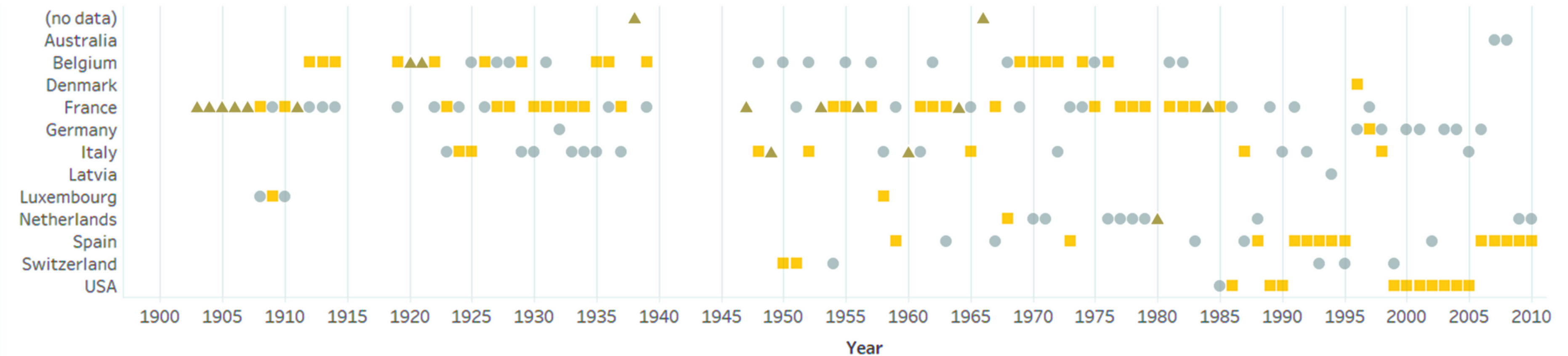
Winners average speed over the Years



Top 2 Riders

country representation

■ *first*
● *second*
▲ *first & second*



France

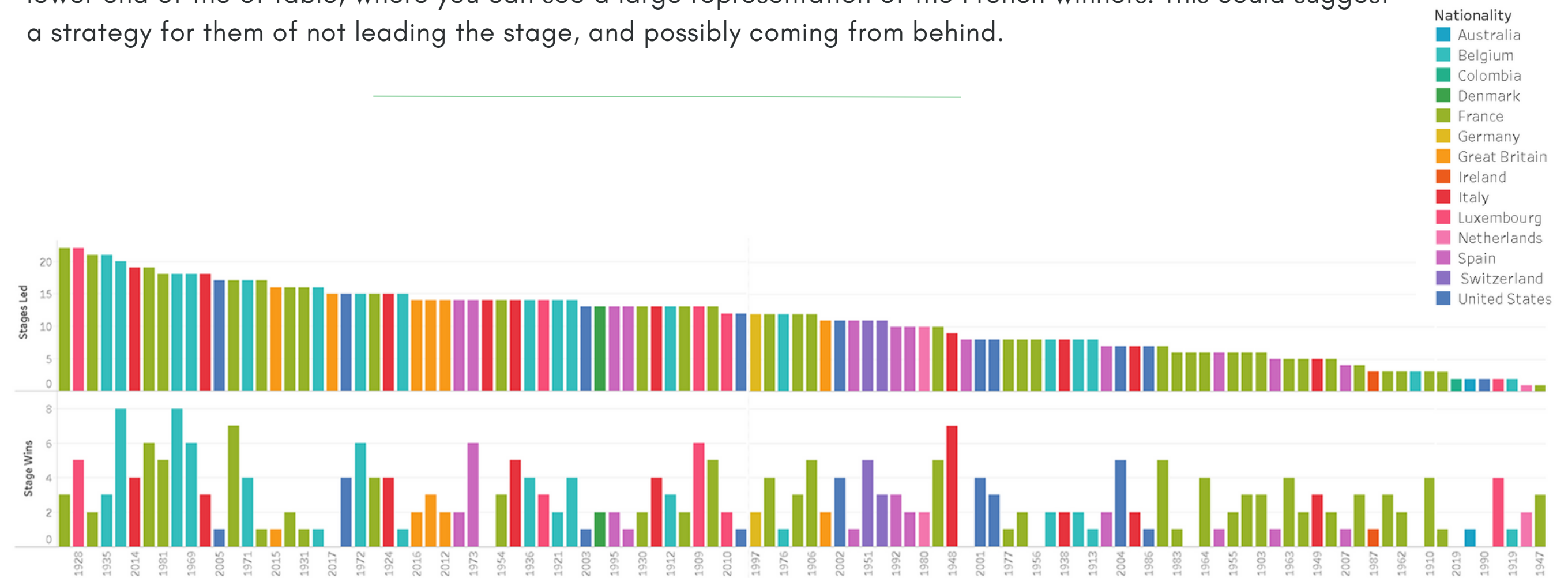
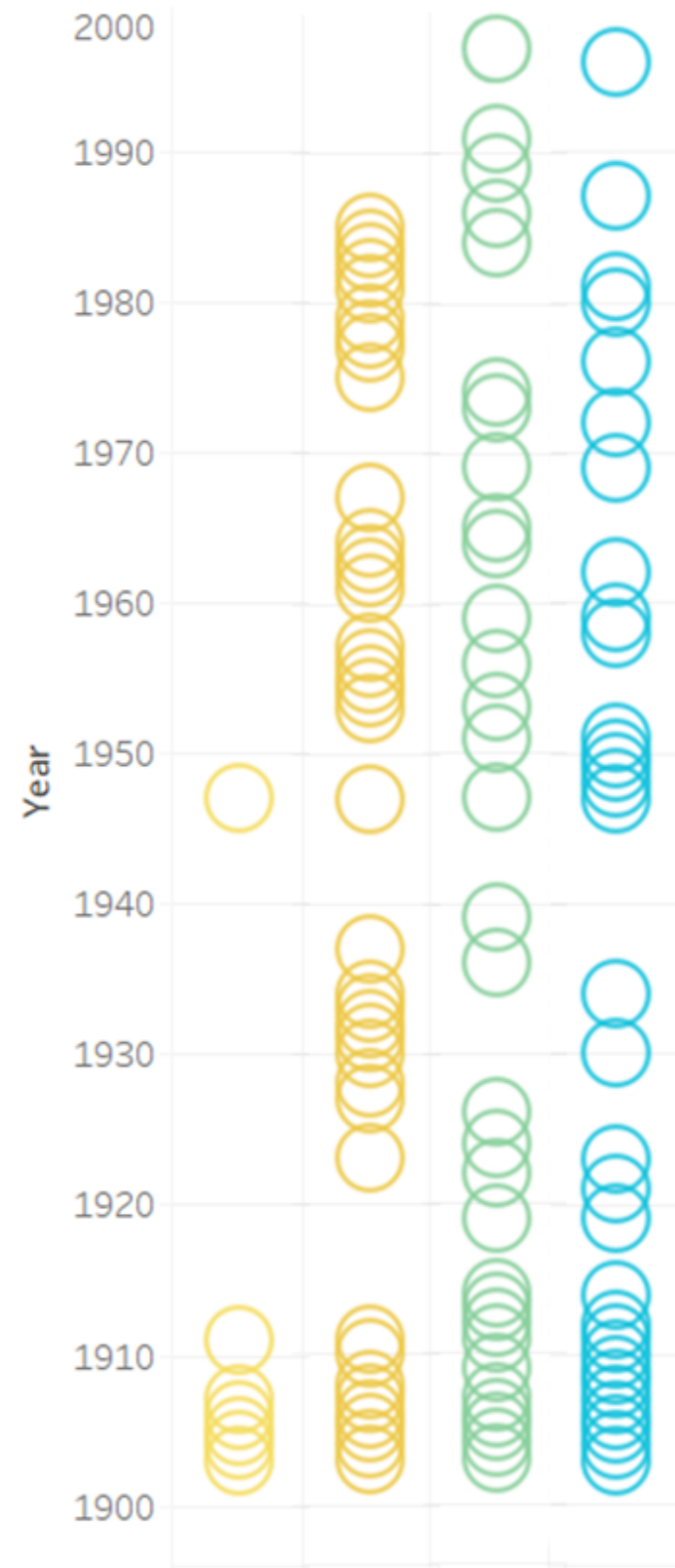
Countries are the y-axis while years are represented as the x-axis. The winners for each year are plotted on the graph: gold squares for 1st place, silver circles for 2nd, & doubles are represented with deep gold triangles (a mix between gold & silver).

What country had the most occurrences of its riders finishing first and second in the same year?

Characterize how different countries have dominated the tour.

This page holds two graphs showing France's domination of the Tour through out the years. The graph to the left is an expended look at the last question, as it became obvious that France had by far the most riders in the top positions. From left to right we see the years France has taken home all top three spots (yellow), first place (gold), second place (green), & third place (blue).

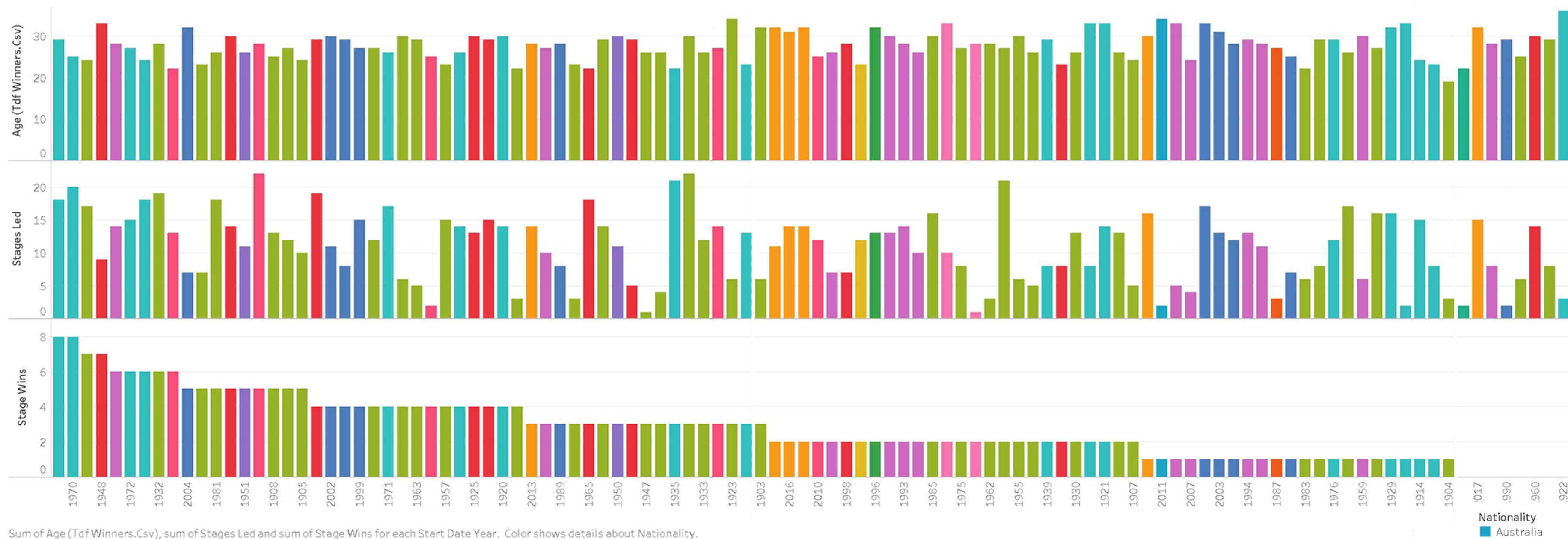
The chart below was created with additional data sourced from Kaggle, and looks at the first place winners by nationality (through color), year (x-axis), & a comparison between the number of stages the winner lead vs the number of stages they won (that is sorted in terms of stages they led). There is an interesting trend on the lower end of the of table, where you can see a large representation of the French winners. This could suggest a strategy for them of not leading the stage, and possibly coming from behind.



Sum of Age (Tdf Winners.Csv), sum of Stages Led and sum of Stage Wins for each Start Date Year. Color shows details about Nationality.



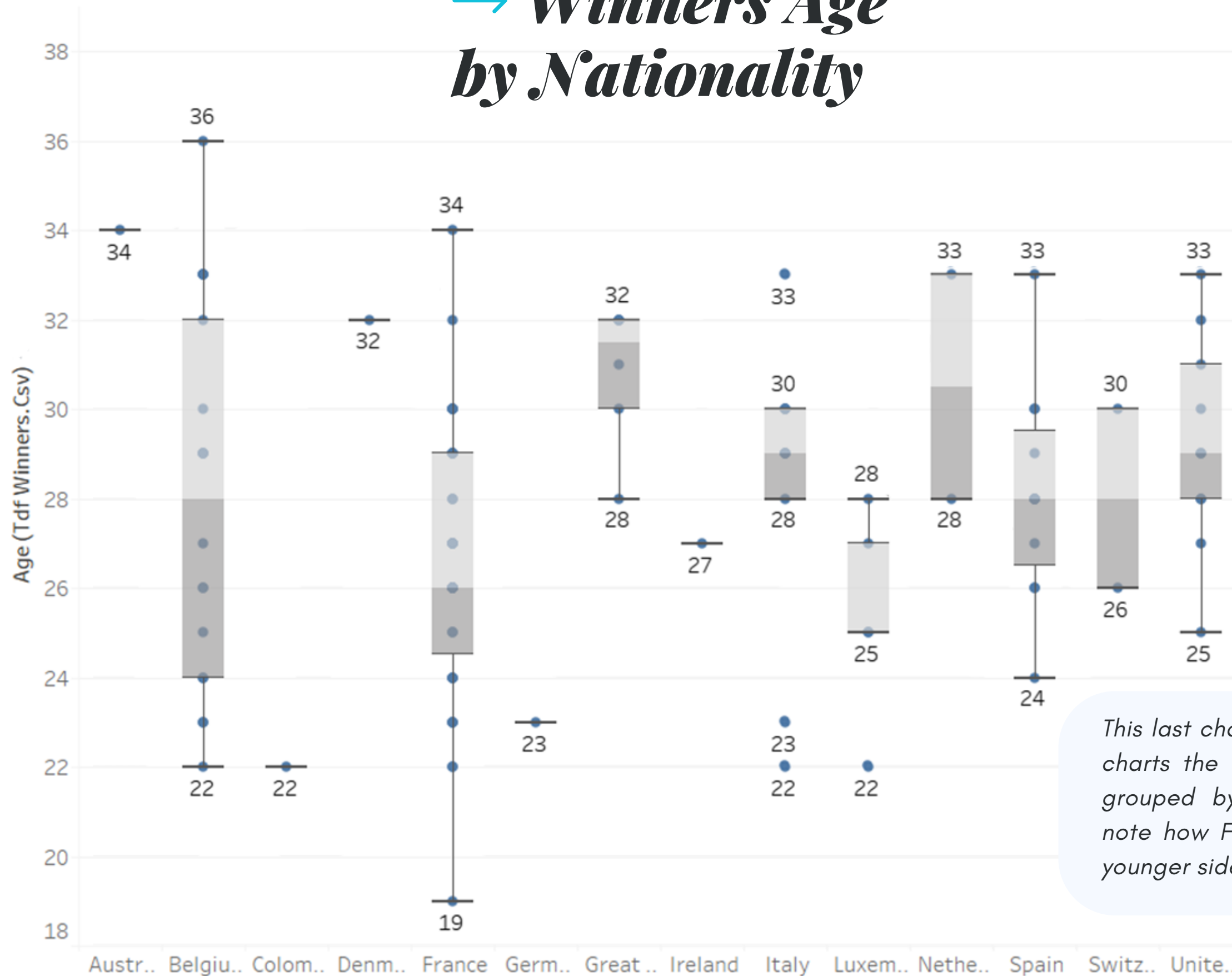
France insights



Belgium insights

This is the same chart from the previous page but is ordered regarding the stage wins and includes an additional chart of the riders ages. I found it interesting that Belgium (marked in blue) primarily shows up on the extreme right and left here. Showing two possible strategies, winning as many stages as possible, and then winning as few stages as possible (how this second one is possible is beyond me, yet it dose seem to be a trend here).

→ *Winners Age by Nationality*



This last chart is fairly self-explanatory, as it charts the winners age in box plot graphs grouped by nationality. It's interesting to note how French winners tend towards the younger side of things.

Conculsion *successes & challenges*

I had a terribly hard time with Tableau. I think I'm finally starting to understand how it works. However, I find it kind of nuts that it's billed as a visual exploration tool, yet if you want something specific you need to understand & write a sudo SQL code. But like not somewhere intuitive, but in separate hidden away menus.

On the plus side I was able to create these charts/graphs. Hopefully I'll be able to work through more of the tutorials in the next few weeks.

