

TOPIC - PARALYMPIC ANALYSIS



INTRO:

The Paralympic Games are a multi-sport event for athletes with disabilities, including physical, sensory, and intellectual impairments. They are held after the Olympic Games and consist of various sports, such as athletics, swimming, wheelchair basketball, and more.

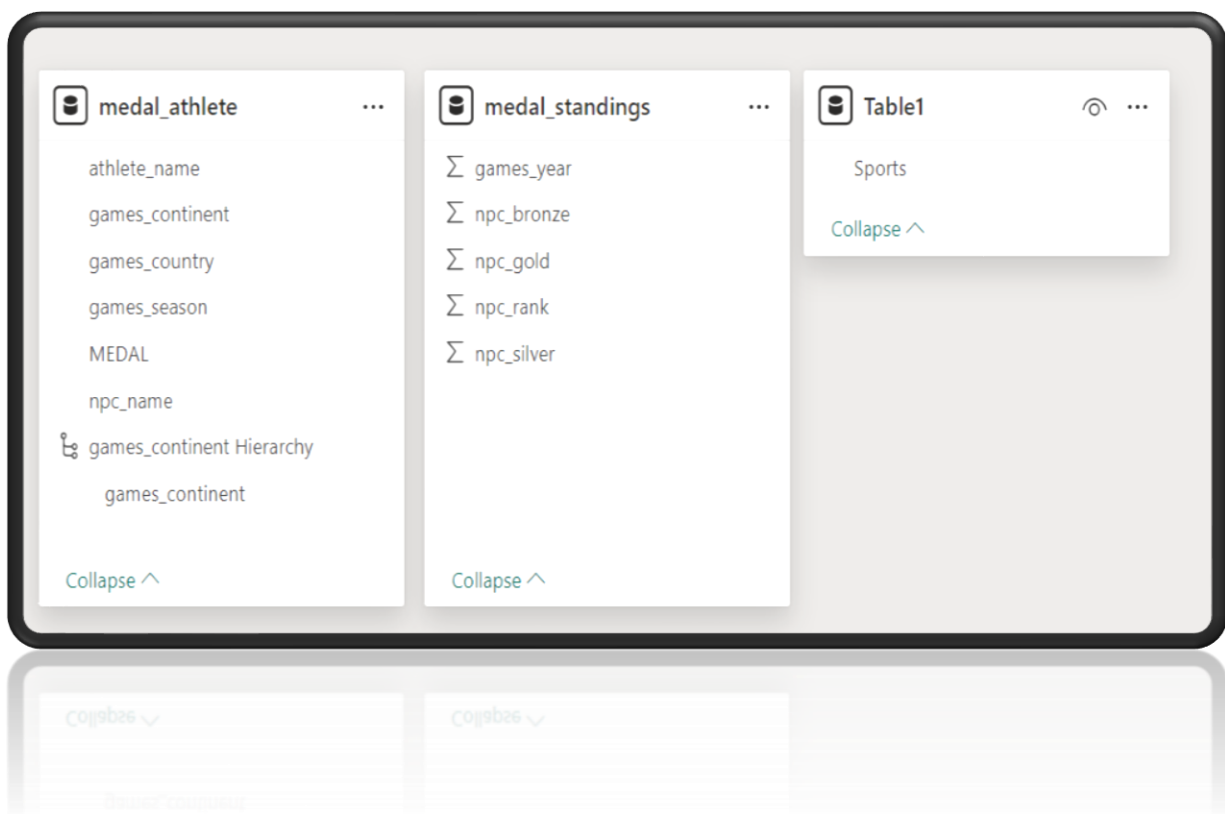
The significance of the Paralympic Games lies in their ability to promote inclusivity and break down barriers for individuals with disabilities. It provides an opportunity for disabled athletes to compete at a high level and showcase their abilities, inspiring others and changing perceptions about disability.

Source Data:

For analysing the Paralympic Games Data, I have Gathered data from reliable sources such as the International Paralympic Committee (IPC) website, official Paralympic records, and other sports link(<https://www.paralympic.org>paris-2024>).

Data Types:

This dataset Included data on athletes, events, medals, continents, countries, years, and classifications.



The image shows a screenshot of a data visualization tool interface. It displays three data tables side-by-side. The first table, 'medal_athlete', lists attributes like athlete_name, games_continent, games_country, games_season, MEDAL, npc_name, and a hierarchy for games_continent. The second table, 'medal_standings', lists aggregated metrics for games_year, npc_bronze, npc_gold, npc_rank, and npc_silver. The third table, 'Table1', shows a 'Sports' category. Each table has a 'Collapse' button at the bottom. The interface is reflected below, suggesting a digital or interactive context.

medal_athlete	medal_standings	Table1
athlete_name	Σ games_year	Sports
games_continent	Σ npc_bronze	Collapse ^
games_country	Σ npc_gold	
games_season	Σ npc_rank	
MEDAL	Σ npc_silver	
npc_name		
games_continent Hierarchy		
games_continent		

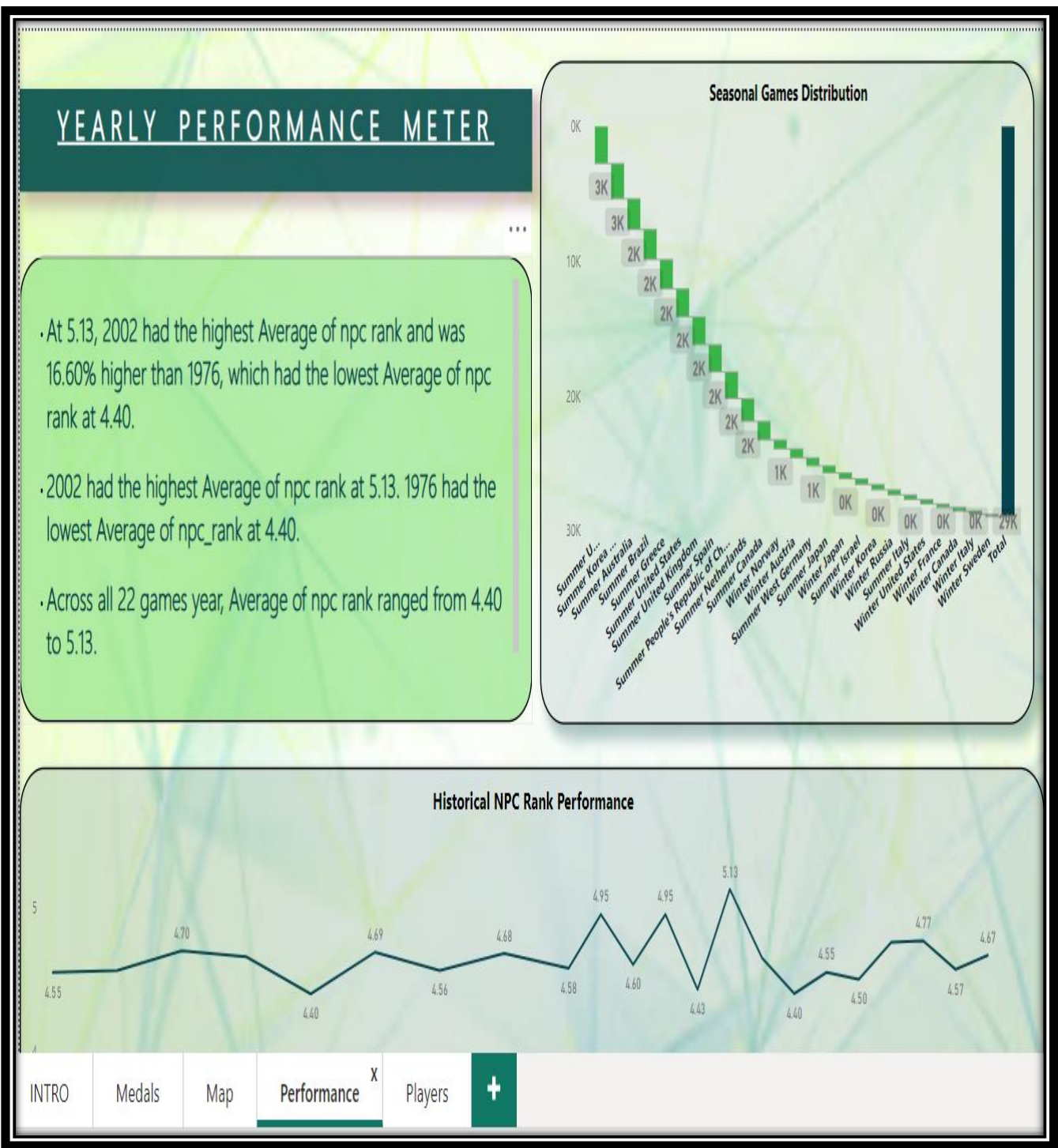
INSIGHTFUL VISUALISATION:

Charts and Graphs: Created various visualizations to represent the data, such as:

Medals Distribution: Bar charts or column charts showing the distribution of medals by country or event.



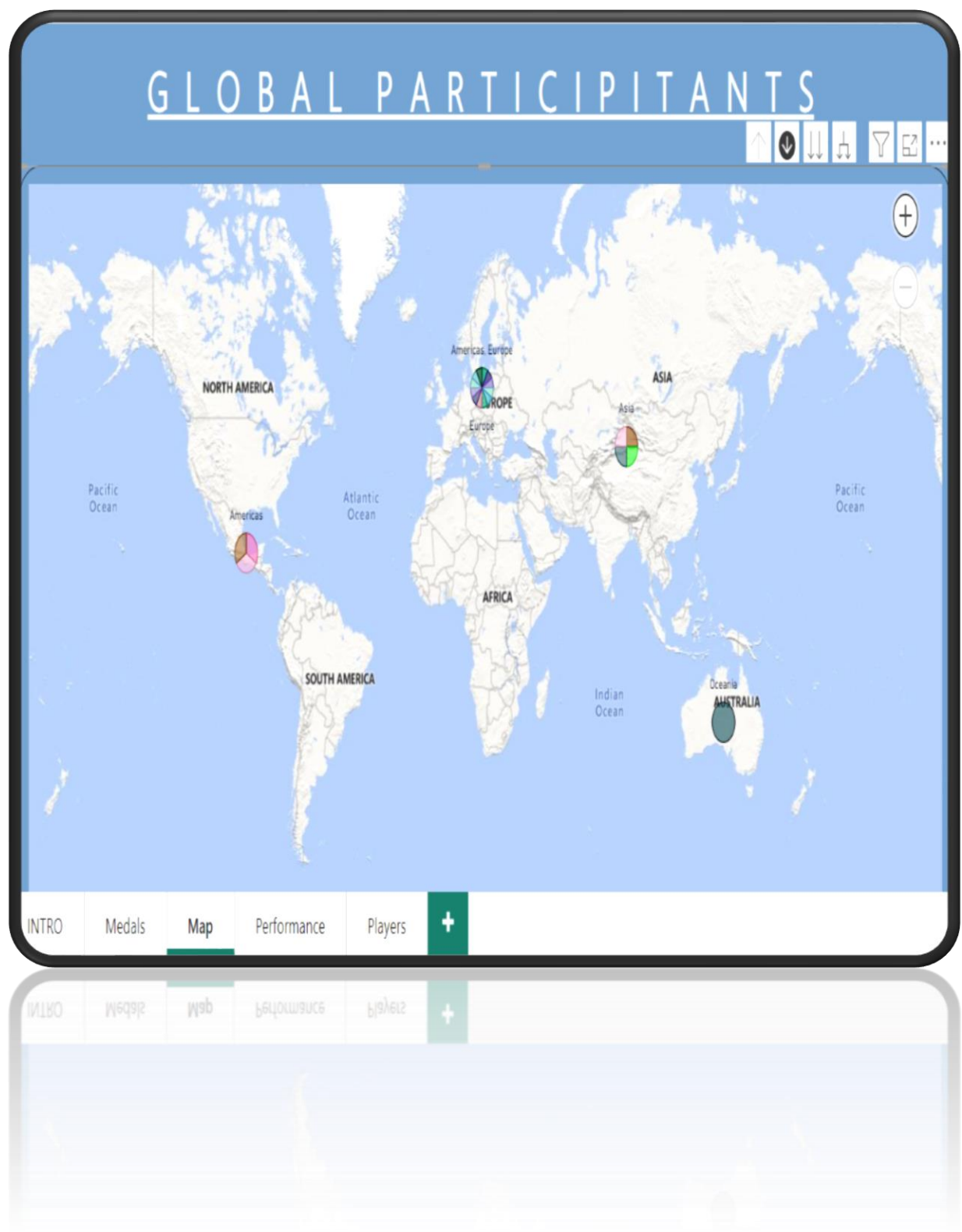
Performance Trends: Line charts and waterfall chart showing performance trends and seasonal game plotting over the years.



Global Participation Analysis:

Maps showing participation rates by continental as well as country and by using the drill down option we can analyse the game classification.

CONTINENTAL MAP

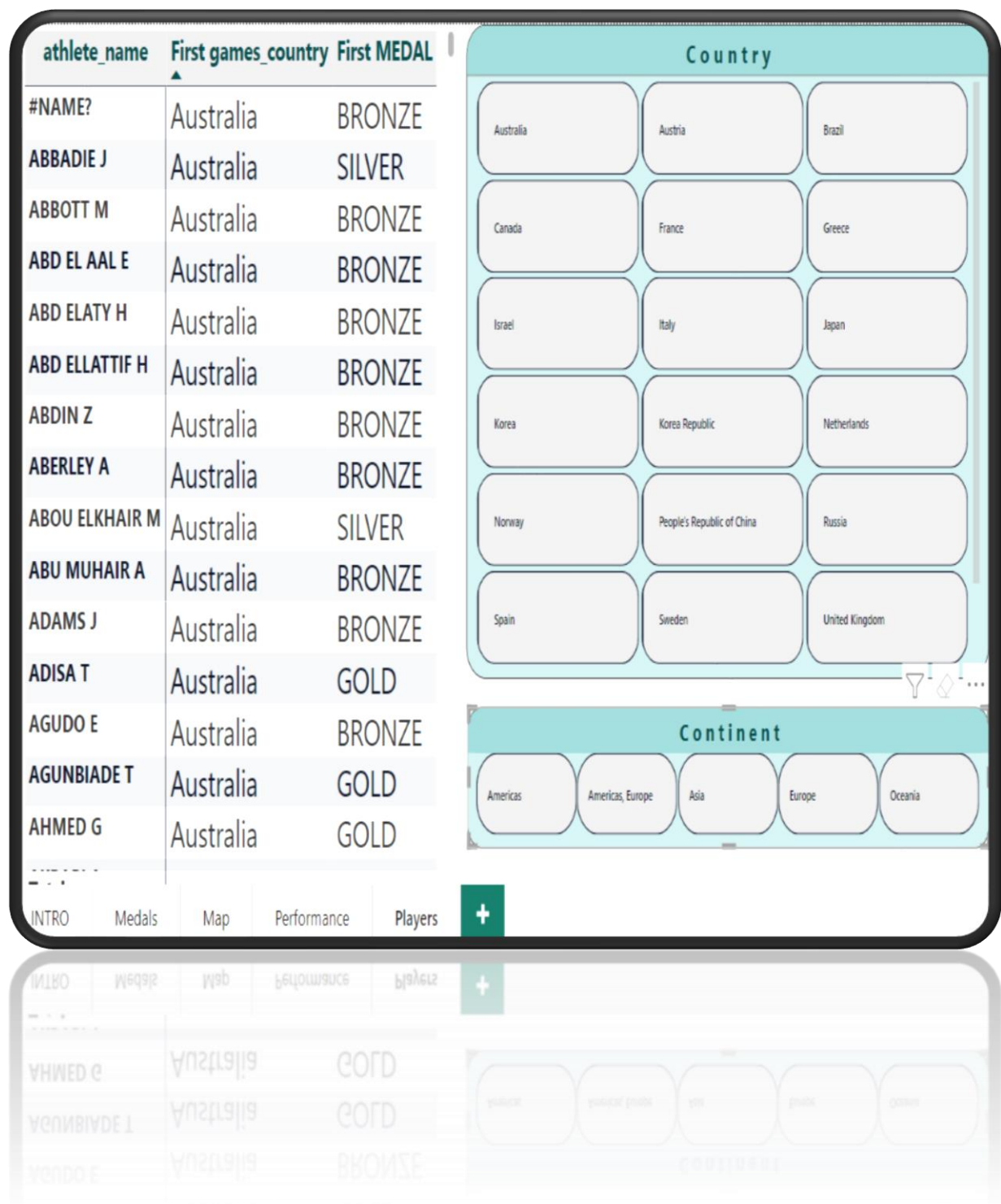


COUNTRY MAP



Analysis and Interpretation:

Interactive Dashboard: Combined the visualizations into an interactive dashboard that allows users to filter and SLICERS to explore the data.



Insights: I have Analyzed the visualizations by draw meaningful insights about Paralympic performance and trends.

Report: Prepared a report summarizing the findings and insights from the analysis.

