Data Visualization: Assignment 4

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Design

Dashboard name and purpose

The dashboard's name, EuroViz'on, is a wordplay on the words 'Eurovision' and 'Visualization'. The dashboard's theme is inspired by the vibrant and colorful theming of the ESC (Eurovision Song Contest). The purpose of our dashboard is to visualize some of the most intriguing facts and statistics in a fun and informative way. It is a great tool not only for Eurovision fans to reminisce about past contests and their favorite performances but also for anyone who loves graphs and data to discover some of the most interesting trends in the Eurovision Song Contest world.

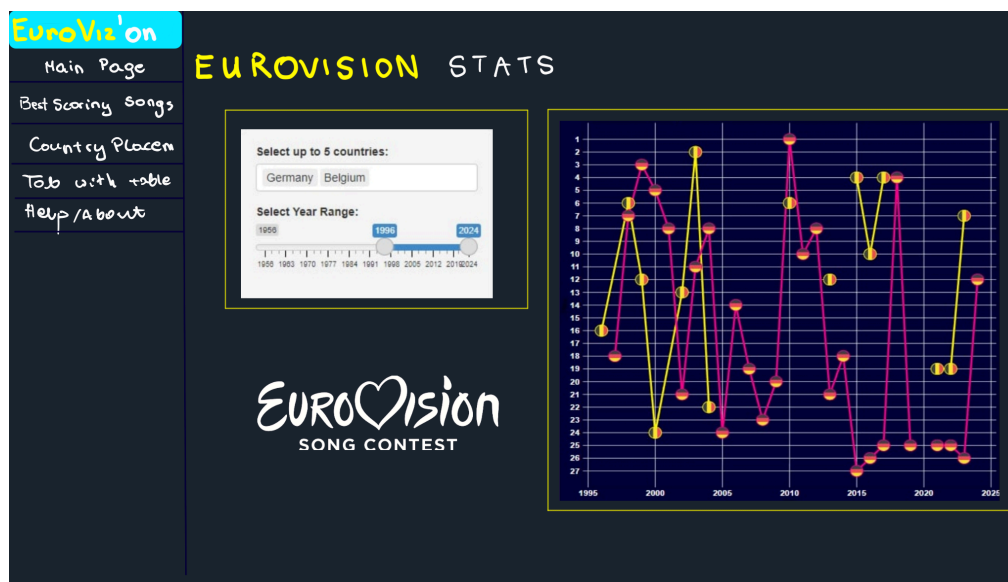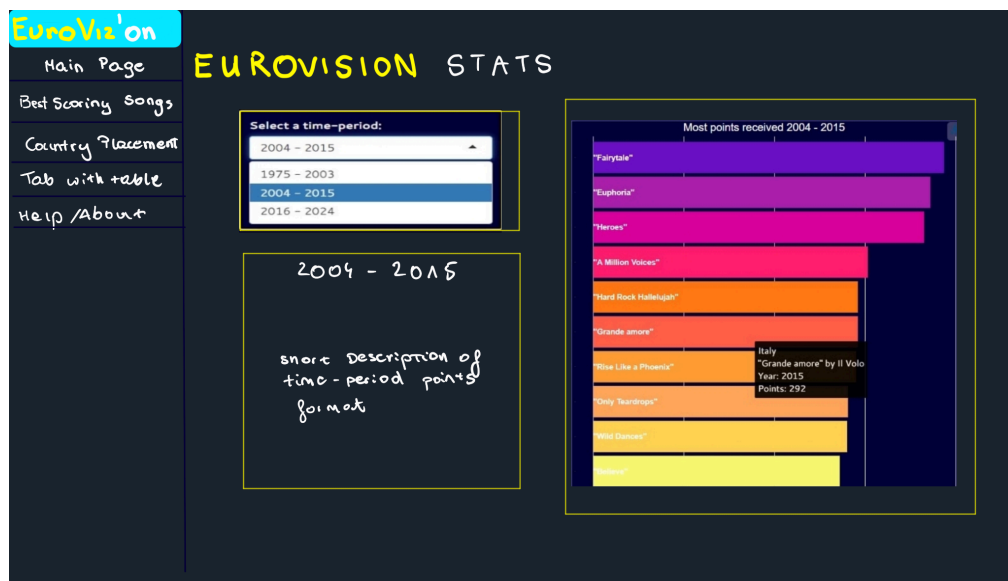## Tasks solved using the dashboard

1. Discover some general statistics, such as the most frequent Eurovision host, the country with the biggest number of wins and their songs, the most common language in the ESC.
2. Learn about more specific trends, like change in a country's placement in the competition, see some more details about a country's participation, and much more.
3. Compare how the contest's results changed from year to year, what places a country has scored, how the point awarding and voting system has changed over the years.
4. Play around with what you see. Hover your mouse pointer over the plots to see more details, use the sliders to specify what years interest you, check the boxes with values that you would like to observe, select from available choices.

Sketches

1. Initial idea:
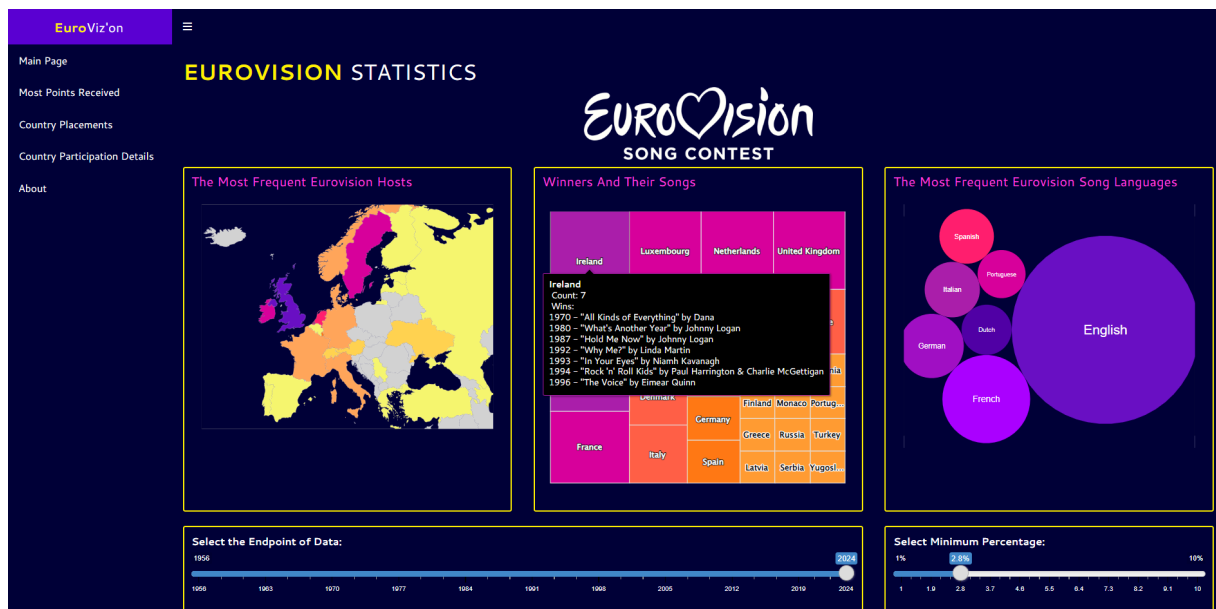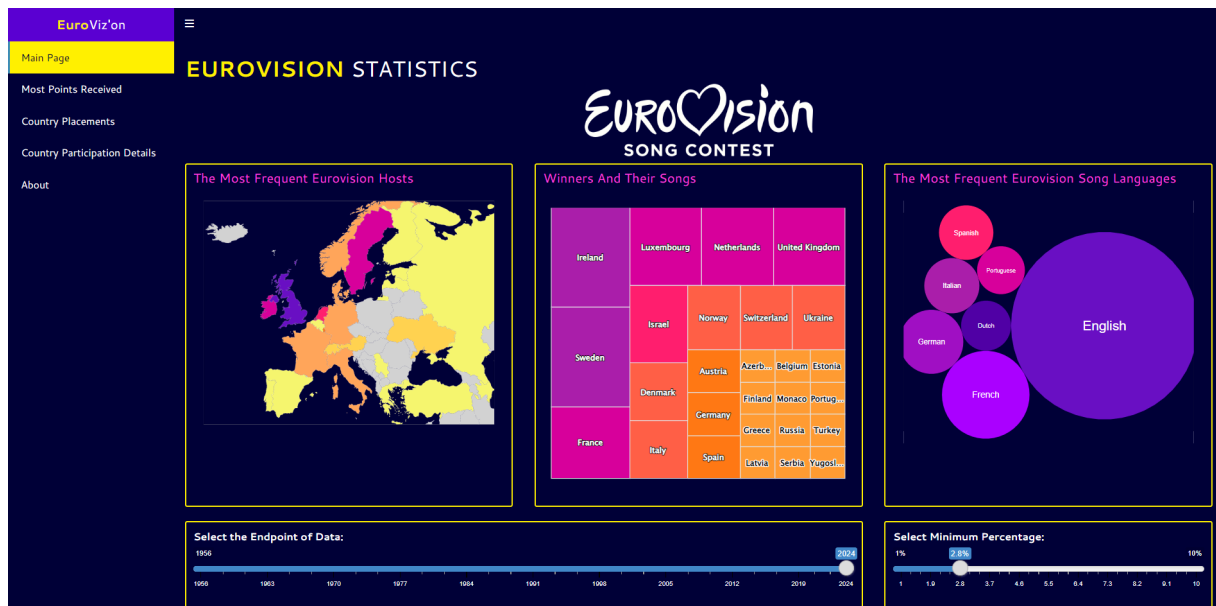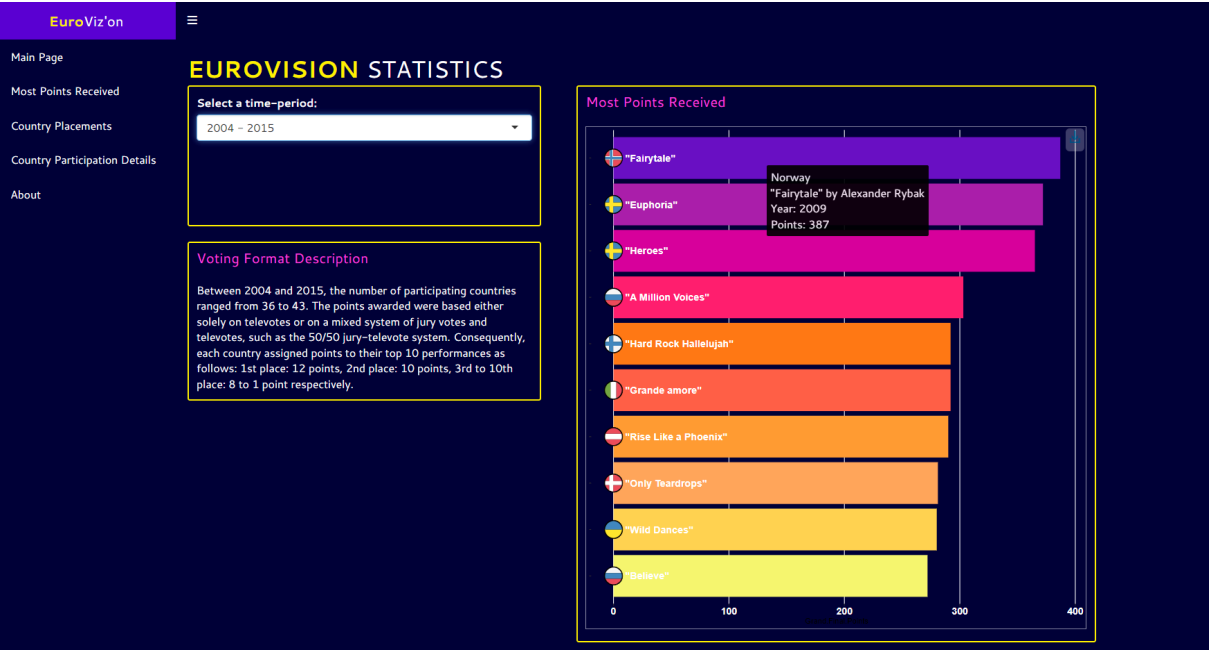
2. Second concept:

Implementation

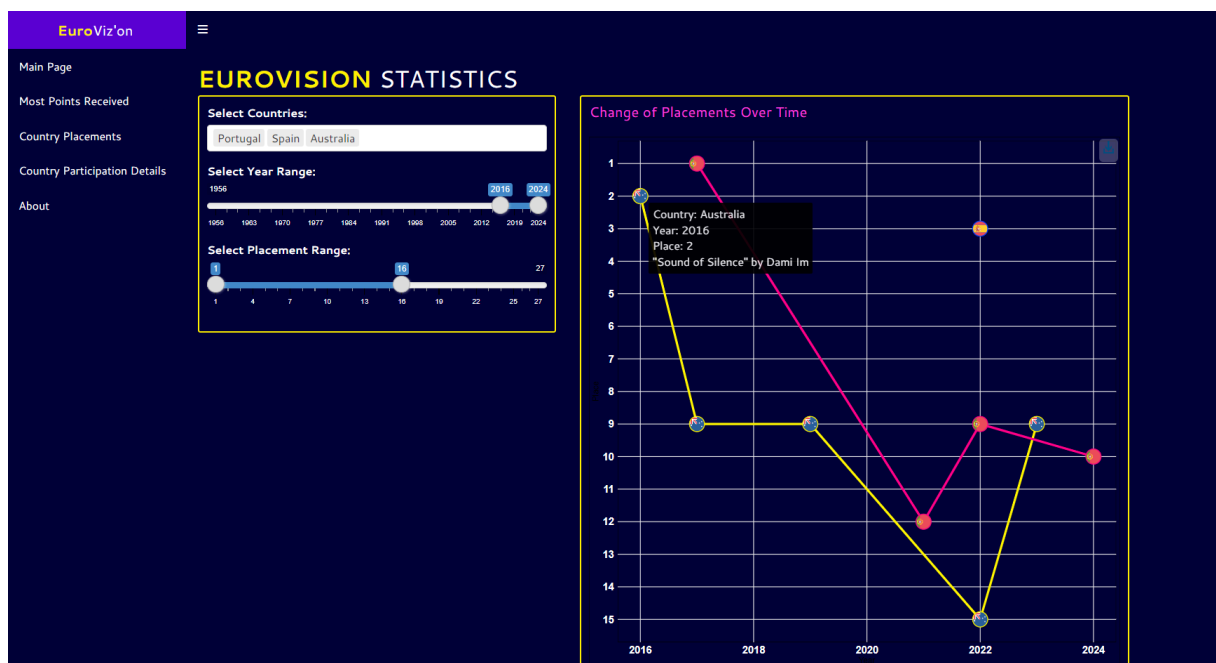## Github

https://github.com/marcelrojo/Data_viz_HW4

Link to live demo

https://marcelrojo.shinyapps.io/eurovision_stats/

Screenshots

EUROVISION STATISTICS

Select a time-period:

1975 – 2003 ▾

Voting Format Description

Between 1975 and 2003, the number of participating countries varied from 18 to 26. In most of these years, the points awarded were based either solely on televotes or solely on jury votes. Consequently, each country assigned points to their top 10 performances as follows:, 1st place: 12 points, 2nd place: 10 points, 3rd to 10th place: 8 to 1 point respectively.

Most Points Received

- "Love Shine a Light"
- "Rock 'n' Roll Kids"
- "Everybody"
- "Fly on the Wings of Love"
- "In Your Eyes"
- "Never Ever Let You Go"
- "J'aime la vie"
- "I Wanna"
- "Hold Me Now"
- "Diva (דיva)"

0   50   100   150   200

EUROVISION STATISTICS

Select a time-period:

2004 – 2015 ▾

Voting Format Description

Between 2004 and 2015, the number of participating countries ranged from 36 to 43. The points awarded were based either solely on televotes or on a mixed system of jury votes and televotes, such as the 50/50 jury-televote system. Consequently, each country assigned points to their top 10 performances as follows: 1st place: 12 points, 2nd place: 10 points, 3rd to 10th place: 8 to 1 point respectively.

Most Points Received

- "Fairytale"
- "Euphoria"
- "Heroes"
- "A Million Voices"
- "Hard Rock Hallelujah"
- "Grande amore"
- "Rise Like a Phoenix"
- "Only Teardrops"
- "Wild Dances"
- "Believe"

Norway
"Fairytale" by Alexander Rybak
Year: 2009
Points: 387

0   100   200   300   400

EuroViz'on ☰

Main Page

Most Points Received

Country Placements

Country Participation Details

About

EUROVISION STATISTICS

Countries Participation Datatable

Country	First Eurovision	Last Eurovision	Times Attended	Top 5 Placements	Best Place Scored
Belgium	1956	2024	67	9	1
France	1956	2024	68	27	1
Germany	1956	2024	69	17	1
Italy	1956	2024	51	19	1
Luxembourg	1956	2024	39	13	1
Netherlands	1956	2024	66	11	1
Switzerland	1956	2024	66	18	1
Austria	1957	2024	57	8	1
Denmark	1957	2024	53	14	1
United Kingdom	1957	2024	67	30	1

1–10 of 52 rows   Previous **1** 2 3 4 5 6 Next

Select Continents:
- ☑ Europe
- ☑ Asia
- ☑ Africa
- ☑ Oceania

EUROVISION STATISTICS

Welcome to EuroViz'on – Eurovision Statistics Visualization Dashboard!

This interactive dashboard visualizes some of the most intriguing statistics from past Eurovision Song Contests. If you're an Eurovision fan or simply love data and graphs, you've found the right place! The name EuroViz'on is a play on the words Eurovision and Visualization (Viz) – the two things we love the most! The dashboard's theme is inspired by the vibrant and colorful theming of the ESC.

Main Page

On the main page, you'll find visualizations that depict general information, including the most frequent Eurovision host, the most used language in Eurovision songs, the most often winning country, and their winning songs. Don't hesitate to hover your mouse pointer over the visualizations to see more detailed information!

Most Points Received

There, you will find the top ten highest-scoring songs from different time periods. We categorized songs this way due to the varying number of participants and point-awarding systems used each year, aiming to make them as comparable as possible. For years before 1975, such analysis is not applicable due to the voting system, or lack thereof, used before then. Once again, don't hesitate to hover and see more!

Country Placements

On this page, you'll see a plot showcasing how a country's placement changes over the years. Choose the countries you want to analyze and compare, select a year range, and the placement range that interests you. Hover over the country flag on the plot to find out which song and artist achieved that placement for their country.

Country Participation Details

There, you'll find an efficient way to see interesting facts about each country's participation, from the year they joined the contest to their best song in Eurovision (based on placement and points in case of ties). Select the continent you're interested in.

We hope you enjoy!

Julia and Marcel

Sources of our data:

https://eschome.net/

https://escincontext.com/resources/data/

https://docs.google.com/spreadsheets/d/1UUXinsHP4iDUwprM_KKEng4DBK2uC7Y1NdbnD1lmkSU/edit#gid=0

*some of the data was added by us manually (2024 contest results)