

# **TDS3401: Data Visualization**

## **Trimester 3, 2022/2023**

### **Assignment 1 – Eurovision Visualization**

This is an **INDIVIDUAL ASSIGNMENT**.

## **Data**

The data to be used for this assignment is provided in the Excel file, **Eurovision\_1998to2012.xlsx**. The dataset contains information on Eurovision Song contest from 1998 and 2012. The Eurovision Song Contest, often known simply as Eurovision, is an international song competition organized annually by the European Broadcasting Union, featuring participants representing primarily European countries.

## **The Assignment**

1. **Determine a story or goal for the visualization** (which can potentially be the title of your visualization).

Examples:

- Changes of musical trend over the decade
  - Compare the relative competitiveness of the regions
  - Explore the factors of success
2. This is a simple data set that contains information on Eurovision Song contest from 1998 and 2012. **Think broadly about the data.**

**Examples:**

- The data is time series data – any additional choices?
- What comparisons can you make?
- What table calculations can be made?
- What additional data can be appended from other sources to help tell the story or complete an analysis?

NOTE - be very careful because there are many pitfalls at this step.

3. **Build a data visualization using Tableau**

Your data visualization should be in the form of a Dashboard with several worksheets that can provide answers to **AT LEAST THREE INTERESTING QUESTIONS**. Here are some **sample questions** that you can consider answering using data visualization:

- *How the musical trend changes over the years?*

- *Is there any home ground advantage?*
- *What are the factors of success in Eurovision?*
- *Which region records the highest number of wins?*

Do not limit yourselves to the above sample questions. Think of what other questions that you can potentially answer or interesting information that you can discover from the data.

## Submission Details

Your submission should consist of a Tableau file, with the dashboard and all worksheets. Name your file as **StudentID.twbx** and submit it to the Google Classroom.

**Submission deadline: 30th April 2023, 11:59pm**

**Points: 10%**

## Rubrics

Criteria	Marks
Clearly defined topic that answers a specific question or facilitates decision making (Does the visualization tells a good story?).	2
Applies appropriate graphic variable types (visual encoding) for the data type and scale.	3
Legends should describe and explain every graphic variable type employed.	1
Everything in the visualization conveys some information to the viewer (Data-Ink ratio)	2
Overall effectiveness of communication and presentation	2
<b>TOTAL</b>	<b>10</b>