

Explanation of Common CW Task 1 Questions

1. *What data needs to be displayed in the visualization result?*

We only focus on the world's top 20 players. Here are detailed data requirements:

- (1) Number of players from different countries
- (2) Sum of points for players from each country
- (3) Highest Ranking of each country
- (4) Names and corresponding scores of players from each country

Let's take **Denmark** as an example:

- (1) Number of players: **2**
- (2) Sum of points: **167965** (101355 + 66610)
- (3) Highest Ranking: **1**
- (4) Names and corresponding scores of players:
 - **Victor Axelsen: 101355**
 - **Anders Antonsen: 66610**

Among these data, the (1) and (2) need to be presented directly in the initial visualization result, while (3) and (4) should be displayed through the interaction(s).

2. *Is it acceptable to use multiple diagrams to complete task 1?*

According to the task sheet, you need to create one visualization, thus multiple diagrams is not encouraged in this coursework and will result in mark deduction.

However, it is acceptable to use more than one marks in a single visualization. For example, in the lab we learned stack bar chart (2 bars) and lines chart (2 lines). You need to design marks based on the analysis of the type of data being presented.

3. *What materials do I need to submit for Task 1?*

Generally, you are asked to submit a **zip file (ID_Name_DTS204TC_CW.zip)** which contains following materials:

- (1) **d3.min.js & d3-tip.js**
- (2) **The original dataset.**
- (3) **HTML file** with your codes.
- (4) **Video (mp4)** that can show all elements in your visualization (including the interaction)

In some **special cases**, you may need to submit additional materials:

- (1) If you use external Javascript file for codes writing, please submit the **JS file**.
- (2) If you use external CSS file, please submit the **CSS file**.
- (3) If your visualization result does not contain any animation or interaction, which means it is a static chart, then you do not need to submit a video. As the replacement, a **screenshot image of your visualization** is needed to submit.
- (4) If 1) your codes cannot work, or 2) you use other libraries besides the d3 and d3-tip, or 3) you use 3D marks in the visualization, you need to submit an **explanation report** which contains the following contents:
 - 1) What have you done?
 - 2) List libraries.
 - 3) Explain why you choose 3D marks.