

Information Visualization

CHECKPOINT I: Visualization Proposal

G03-A

1. Domain

The visualization will focus on data related to the Second World War, more precisely the European theatre.

World War II was one of the definitive events of the 20th century, if not all of human history. It's a milestone to both humans' rights and science with its repercussions still travelling throughout our actual time.

2. Dataset

Dataset description:

- Static tables.
- The visualization will fall on a geographic one integrated with other idioms, such as correlation graphics and fields.
- Wikipedia. There are sections dedicated to the WW2. The effort it takes to craft the visualization is to copy the data from plain text and write it down in a Excel file. There are online tools to convert Excel to .json files.

3. Tasks to be supported

Task description:

- **Task 1**
 - High-level: Analyze -> Consume -> Present
 - Analyze the casualties from every country during the WW2.
- **Task 2**
 - Mid-level: Search -> Browse
 - Search for the battles in the war.
- **Task 3**
 - Low-level: Query -> Identify
 - Identify which commander led each battle.
- **Task 4**
 - Low-level: Query -> Compare
 - Compare the number of casualties with the countries' frontlines.
- **Task 5**
 - Low-level: Query -> Compare
 - Compare the stats from each side of the war.

4. Example Questions

- Task 1
 - How did the casualties vary throughout the war?
 - Which side lost more men?
- Task 2
 - Which was the biggest battle?
 - Where were the frontlines?
- Task 3
 - Who was the worst commander?
- Task 4
 - Countries that had an active frontline had more casualties?
- Task 5
 - The side with the worst commanders lost more men or battles?

5. Data Sample

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country; commander; battle;
United States; Dwight D. Eisenhower; battle of Normandy;
United Kingdom; Arthur Tedder, 1st Baron Tedder; battle of Normandy;
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