Data Visualization. Milestone 2.

Roxane Burri, Jean-Luc Stoupy, Mark Tropin

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1 The project

1.1 Visualization

1.1.1 The presentation of the visualizations

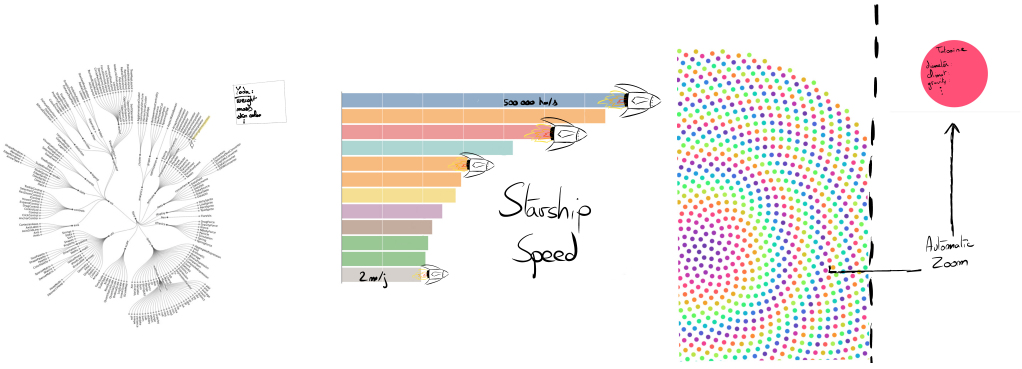

Figure 1: Left : This radial tree has 3 levels : planets, species and characters. You can obtain the character's description by clicking on their name. Middle : a bar chart that shows a ranking of the fastest starships in the Star Wars universe. Right : smooth zooming on each planet, with a description about this planet.

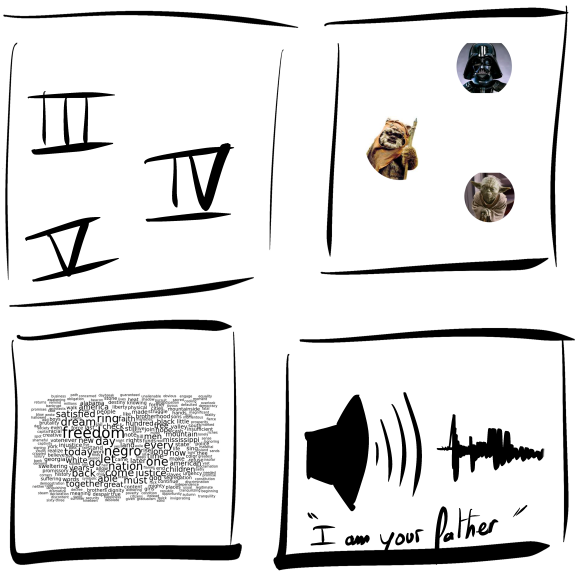

Figure 2: A word cloud, first choose episode (IV, V, VI), then choose one of the top 5 characters, a word cloud appear and the characters say his most famous sentence of the episode

1.2 Tools

Lectures:

- Week 2-4: Basic html, javascript and d3 (All visualizations)
- Week 5: Interactive d3.js (Animations)
- Week 6: Perception / Colours (All visualizations)
- Week 7: Do's and Dont's (All visualizations)
- Week 9: Text viz (Tag Cloud / Word Cloud)

2 Plan

2.1 Minimal Viable Product

- Characters: the 3-levels radial tree
- Starships: the bar chart race with speeds
- Planets: smooth zooming on a grid of planets
- Script: a word cloud by episode and by character.

2.2 Possible enhancements

- Characters : add a pop-up to present the characters
- Starships: add an animation of starship on the bar chart
- Planets: visualizing different planets with their respective diameters
- Script: characters reading their lines
- Script (word cloud): changing the color of the words based on sentiment analysis (warmer colors $\Leftrightarrow$ kinder words)