Process Book

Assignment 3: Once Upon a time

Saulet Yskak

QUESTIONS

What do you want to achieve with the visualization?

In this assignment, my main objective is to find the most frequently used words. Having looked at the visualization, you can generally get an idea and insight regarding of topic and genre of fairy tale. Another goal is to create network chart that shows the relationship between characters. Following this, it gives more information about characters.
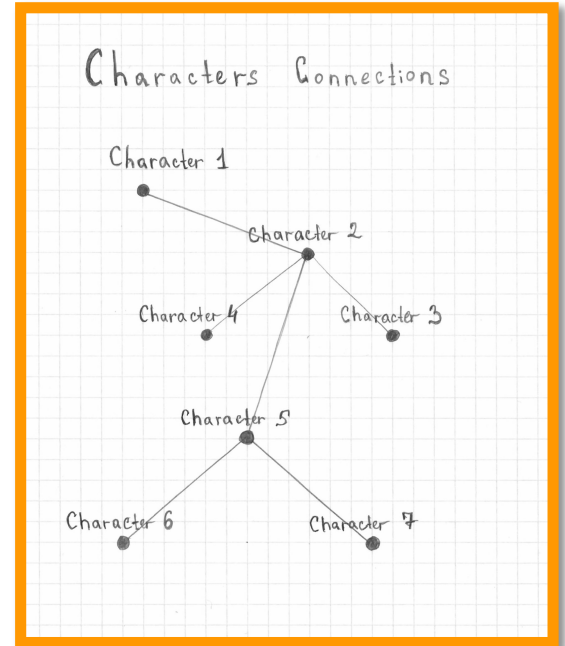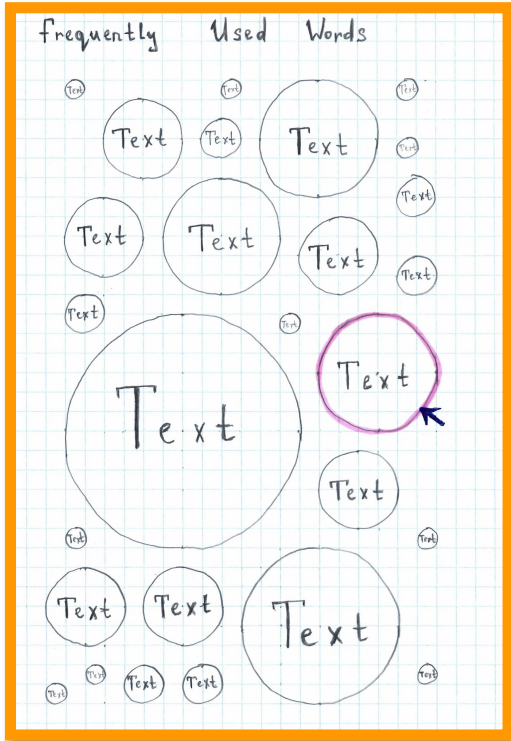
What tasks do you want to support?

Bubble chart visualization reveals essential information. Generally speaking, applying the most frequently used words provides an overall sense of the text and topic. For network chart, I want to support the task that a character who has more connection is actually a main character.

What designs will help you achieve these designs? Name at least two

To achieve my objectives, the best visualizations would be Word Cloud, Bubble and Network Chart. However, instead of visualizing simple word cloud, which is I'm confident most of students will do, I have decided to use bubble chart that is more engaging and informative.
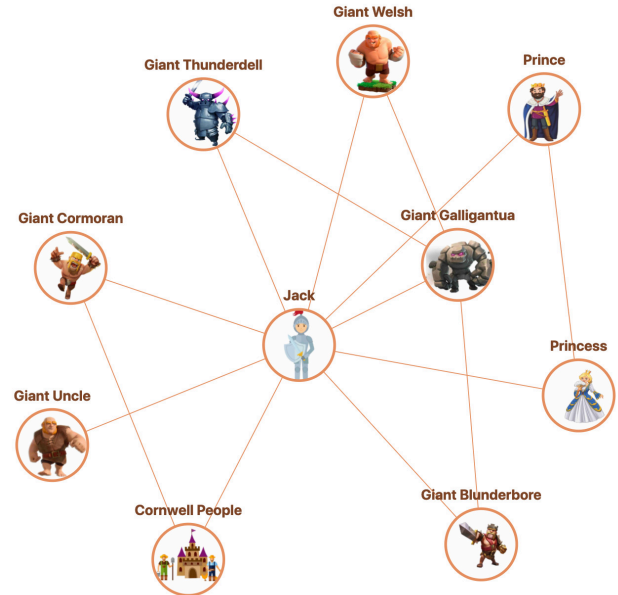
SKETCHES

BUBBLE CHART

NETWORK CHART

In bubble chart visualization, each circle (bubble) represent each word, and importance of each bubble is shown with font size and color. The size of the bubble corresponds to the number of times the occurrence word in the fairy tale. Basically, the more a specific word appears in the text or data, the bigger the circle appears in the bubble chart. For sake of clarity, the filter method have been applied in order to show only 45 the most frequently used words. As for "Jack the Giant Killer" example, the most frequently used words are "Jack", "Giant", "castle", "head' and etc. Having no look at the title, you can get an idea what it is going to be about. Additionally, hover, tooltip tools and drag interactions have been added for making the chart more engaging, creative and interactive.

A justification for the final design: Network Chart

In network visualization, each node represents each character, and links represent relationship between characters and how they related to each other. Basically, networks help us see how entities in fairy tale are connected to one another. By looking at all these part interconnected gives more realistic and informative insights. Moreover, network visualization allow us to focus on understanding the dynamics for nodes and links, and generally for all overall systems itself. In "Jack the Gian Killer" example, without having looked at the title, if you look at the visualization you can explore and get an idea who is a main character and who would be his/her enemies. In our case, Jack is the main character, while Gian Gallingatua is the Jack's main enemy.

CREDITS

Special thanks to all the people who made and

released these awesome resources for free:

Presentation template by SlidesCarnival