Hello everyone, our names are Lara, Kristina and Robin and we are pleased to show you the data visualization project.

The main topic is the instructional television show The Joy of Painting hosted by Bob Ross, an American painter in order to teach people how to paint. For 10 years he created 31 seasons of 13 episodes, leading to more than 400 episodes of 30 minutes each of them resulting in a completed painting.

An Austrian student made a list of all the colors and elements used in each of the paintings and kindly sent it to us so that we can use it to get insight of the Bob Ross work on this show

Our first will was to give a visualization of the elements contained in a painting in a glimpse, but without simply looking at the painting. We chose to implement it thanks to a concept map because it allows the user to use it very simply in both ways. From painting to elements and from elements to paintings.

By hovering the name of a painting, we can directly see the details of what is inside the painting, plus an overview of it, and by selecting a particular element we can see which paintings contain it. It allows the user or even a client to explore the paintings focusing on the elements then the global impression. If you like painting mountains, you could see it very fast.

Our first problem was that we could not display the whole paintings, so we implemented a brush to restrict the number of paintings displayed. We thought it was more user friendly than selecting the two boundaries thanks to lists. For every part we thought it was interesting to put this brush to allow the user to play with the time, so that he can have a personal approach of the evolution in the bob ross paintings.

As the elements take a central place, we want to give an analysis of the

As there were many different elements, we categorized to display. Those charts are here to explain deeply how are categorized elements. Thanks to the brush the user can explore how evolved the elements painted by Bob in this show, with the granularity he wants. By clicking on a category the user will lock the filtering, to allow him to brush and see in live the evolution.

Moreover, we wanted to give some insights of the links between those categories. Our problem was that we

Finally, as it is an instructional show, it was crucial to enable people to reproduce those paintings thanks a few colors. That is why only 15 colors + a lot of work and talent, are required to reproduce the whole paintings. This gives both insight and practical information about the amount of each color required to paint all paintings of a season.

Once again the brush is enable the user to perform the exploration as he wills, to focus on the period he is interested in

To conclude, as paintings are already one of the most visual creations, it was very challenging to propose other visual contents to represent this work, to provide his huge fanbase more insight of his paintings.