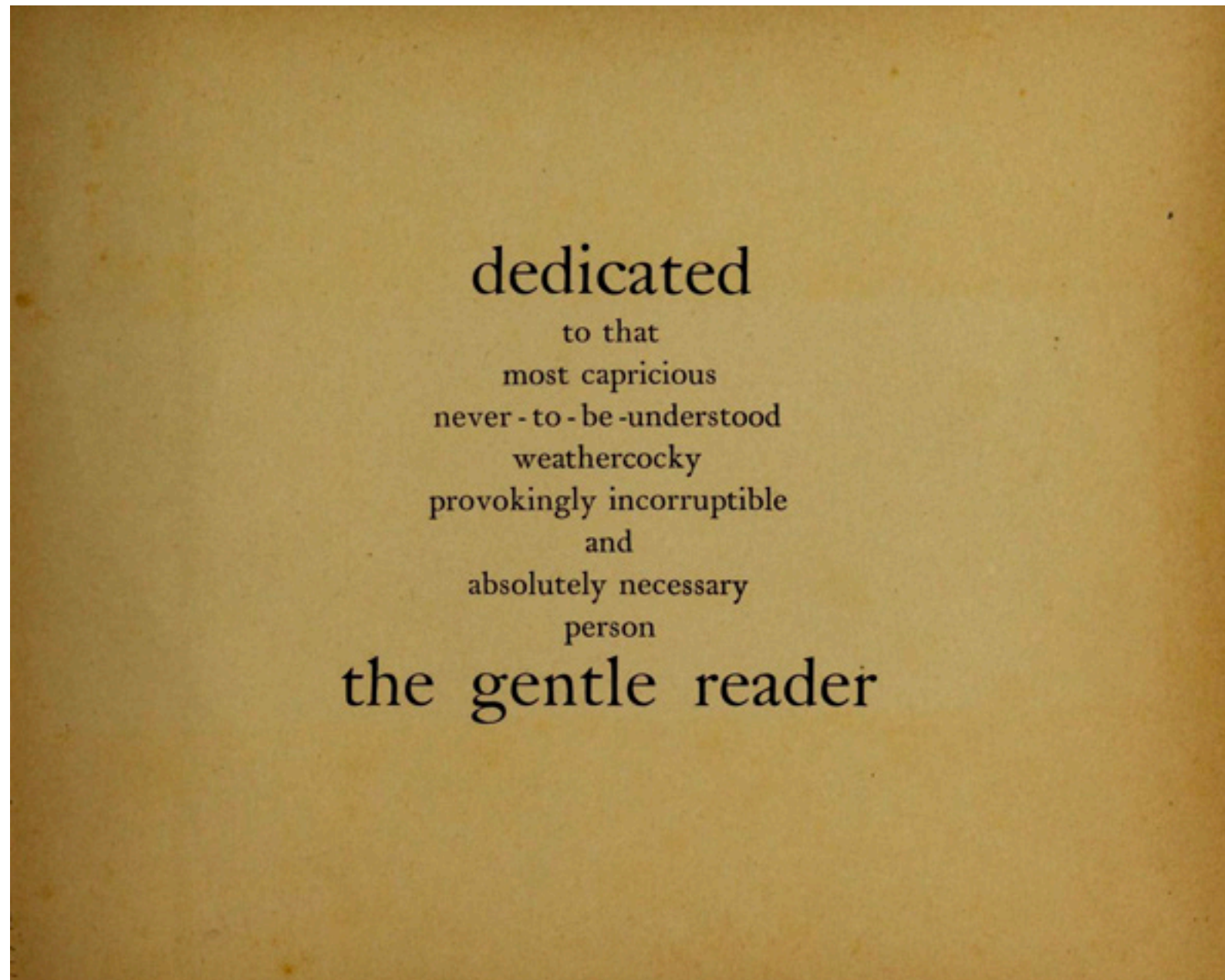


Portfolio

VISUALISATION AND SENSING
2022

Abstract



The brief explains to visualize and represent data scraped from a website, or using a pre-made dataset found online, in a new form using an extended period researching, prototyping and exploring a topic of interest.

The idea chosen is based around an interest for book dedication and to who books are most often dedicated to. The plan was to collect the data by own research and then represent it in the form of creative maps, as well as statistics made with D3 to easily be able to see and understand the data next to the creative maps more graphic oriented.

The intended audience is no one specific. Anyone can have a passion for books and might have interest in the dedications so many disregard when reading said book.

Design process

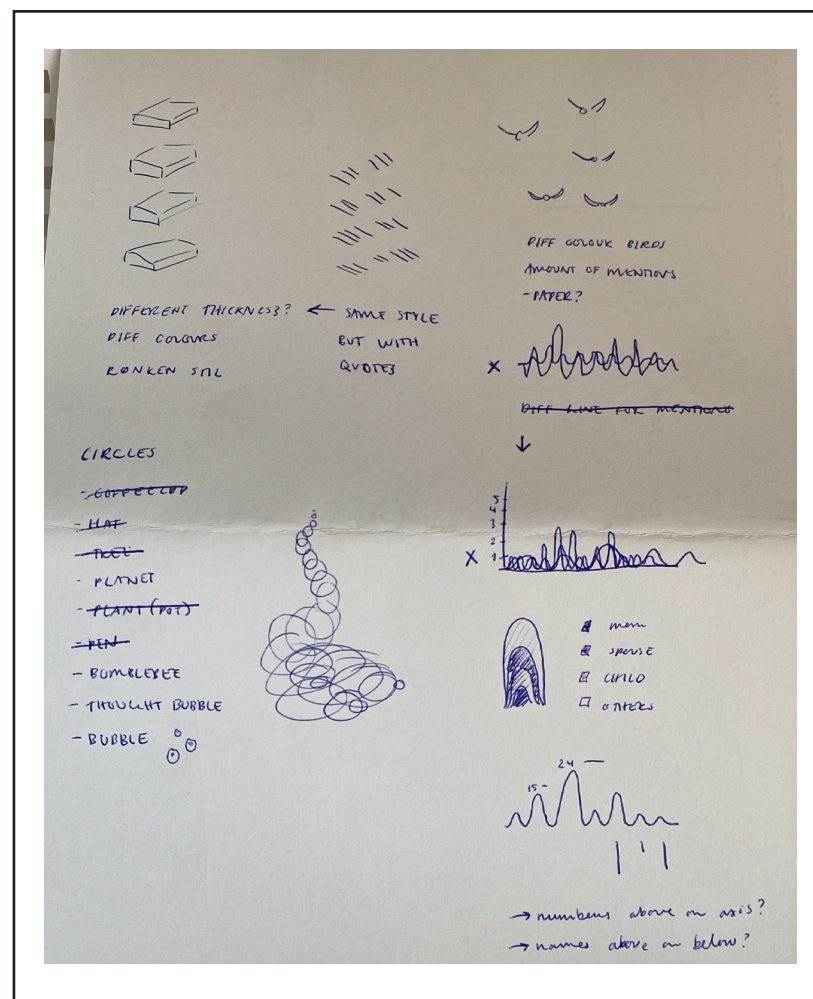
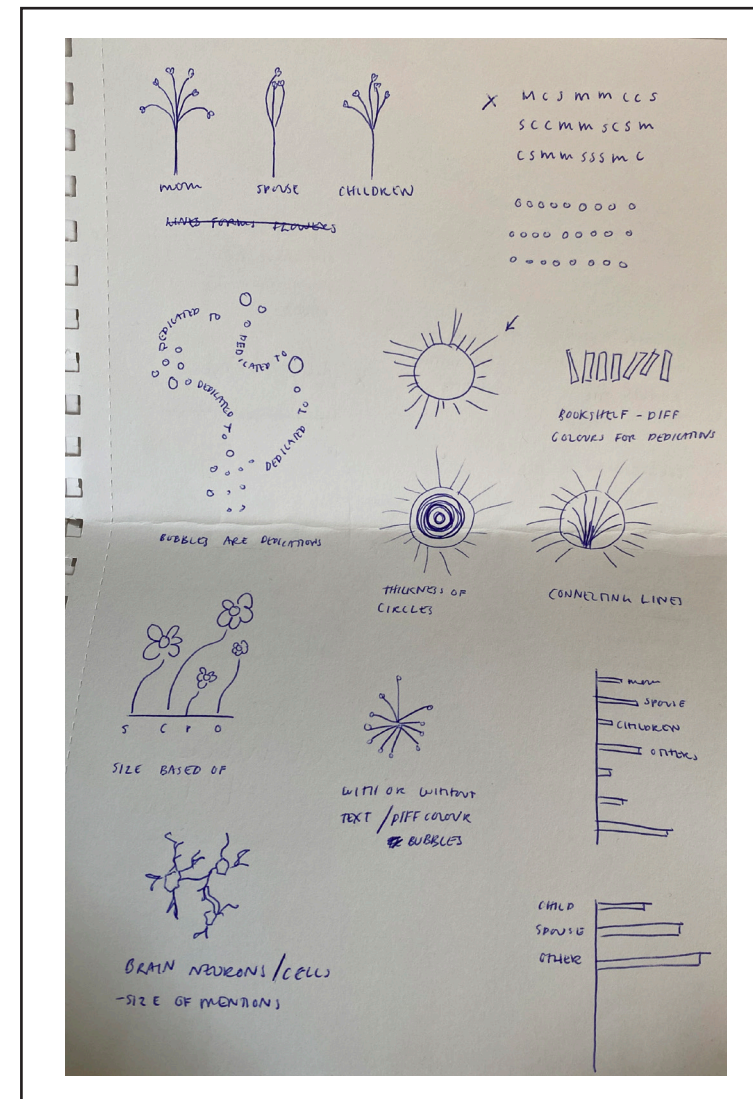
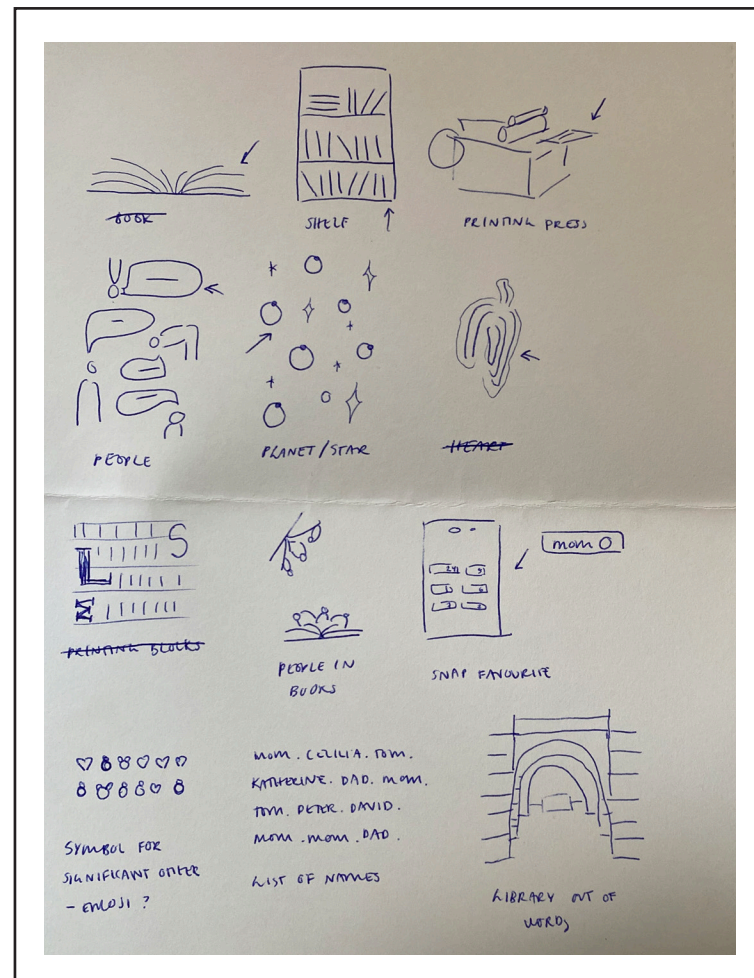
Research

The process started with collecting the data by simply writing down a hundred quotes and then categorizing them into the categories best representing them. “Others” quickly became a big category as a lot of dedications didnt necessarily fit easily into a category.

Book dedications

1. To my always. You make saving the world magical
2. To my mother, belie. I would have made a terrible doctor, mom. People would have died.
3. Dedicated to everyone who wonders if I’m writing about them. I am.
4. This is presented as a work of fiction and dedicated to nobody.
5. For Carley, who was a better person than I am even though she was a dog
6. To my wife ~~Marganit~~ and my children Ella Rose and Daniel Adam without whom this book would have been completed two years earlier
7. This is presented as a work of fiction and dedicated to nobody
8. For Colin firth. You’re a really great guy, but I’m married, so I think we should just be friends.
9. Have you ever had a book dedicated to you? No? Nor have I. Let’s fix that. This book is dedicated to:
10. For Barbara Alexandra Dicks, who often signs her name in lower case but is, in fact, a capital person.
11. This book be dedicated to Kanye West, because he’ll never fuckin’ read it.
12. This book is for my parents, who tries. For mom, who calls me “Pickle,” and Dad, who calls me “Dude.”
13. For everyone who only hears from me when I need something
14. For those who can’t even
15. For everyone who *knows* there as tough room for Leonardo DiCaprio on that door. And for England. We’re really sorry for what were about to do to your history.
16. Tania, I love you; will you marry me?
17. To my parents, for always loving and supporting me, there wasn’t a parenting book in the world that could have prepared you for my eccentricity. I’m sorry for denoting the coffee table with my ninja swords. Yes, it was me.

Spouse : 17
Children : 4
Parents : 15
Editor / cover artist / publisher: 2
Friends :
Pets : 2
Others : 37
Famous people : 6
Other family : 3
Me: 4
Readers: 7
Nobody: 2
Characters: 5



Initial sketches

Ideas

The next step was to draw some quick sketches as to how the data were to be portrayed in the creative maps. The goal was to have the maps relate in some way to the actual data and the way it was to be portrayed to the map made sense in some way.

Some sketches were more text oriented, while others more graphic. They were therefore later split into two groups so both would be represented.

The elements considered to be included were the categories themselves, the numbers as to dedications out of a hundred, and the dedications themselves as they were what caused interest in the first place.

Dedications:

Creative maps:

1. Graphic:
2. Type based:
3. Optional or mix:

Graphic favs:

1. Birds (paper) - animated or responsive?
2. Books/ quotes : X-ray
3. Shelf: colors
4. Snapchat / contacts

Text favs:

1. Library/ printing press / printer
2. List of names
3. Bubbles

Graph

- Life line
- Wave / mushroom
- Graph to side

Graphic:

1. Speech bubble
2. People (number above or size of them)
3. Emojis (size or amount)
4. Cluster of bubbles with text in between

Dedications as:

1. Bubbles (thought bubble?)
2. Bumblebee
3. Shelf
4. Library
5. printing press
6. Planets
7. Flowers
8. Circle with quotes around (something in centre ex plant/ tree stump/ cells?)
9. List of names

Initial sketches

Categorize

As previously mentioned, the sketches were categorized as to if they were more graphic or text oriented. Some favorites were then chosen for further development.

The original plan was two to three maps, but it later turned into six as there were some difficulty landing on favorites.

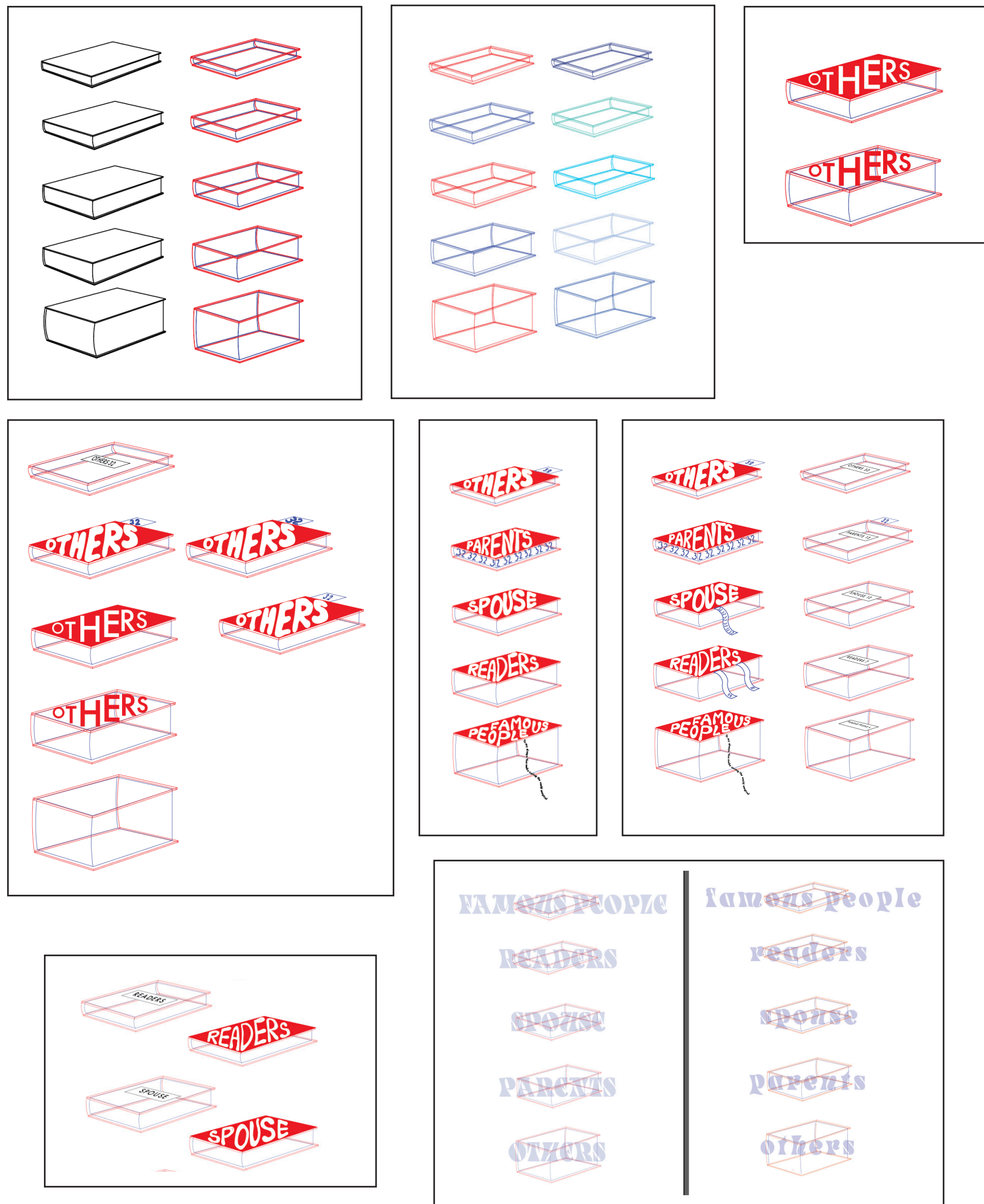
Experimentation

Creative map 1

Making of the maps from the sketched idea was a lot of experimenting, as well as trial and error. There will be three maps presented with some progress pictures to explain the process ending in the finished project.

The map shown by process pictures to the left started out as an idea to view the x-ray of books in some way. The thickness of the books would represent the amount of dedications to a certain category. The colors don't have any specific significance other than wishing to do easier be able to view the different components of the book.

The inclusion of the names of different categories were implemented as to make the maps easier understandable. It made sense to include the names on the covers of the book as that's usually where they are seen anyways. How the name would be shown was in between two very different designs; one very graphic and "funky", while the other more clean and simple. The end project ended in an inclusion of both as to show, on one side, the more fact based books as the clean and simple ones, while on the other side the more creative ones to signify that both book categories can be dedicated to the same categories of people. The inclusion of dedications or numbers based on the data was disregarded as it wasn't shown well in this map.

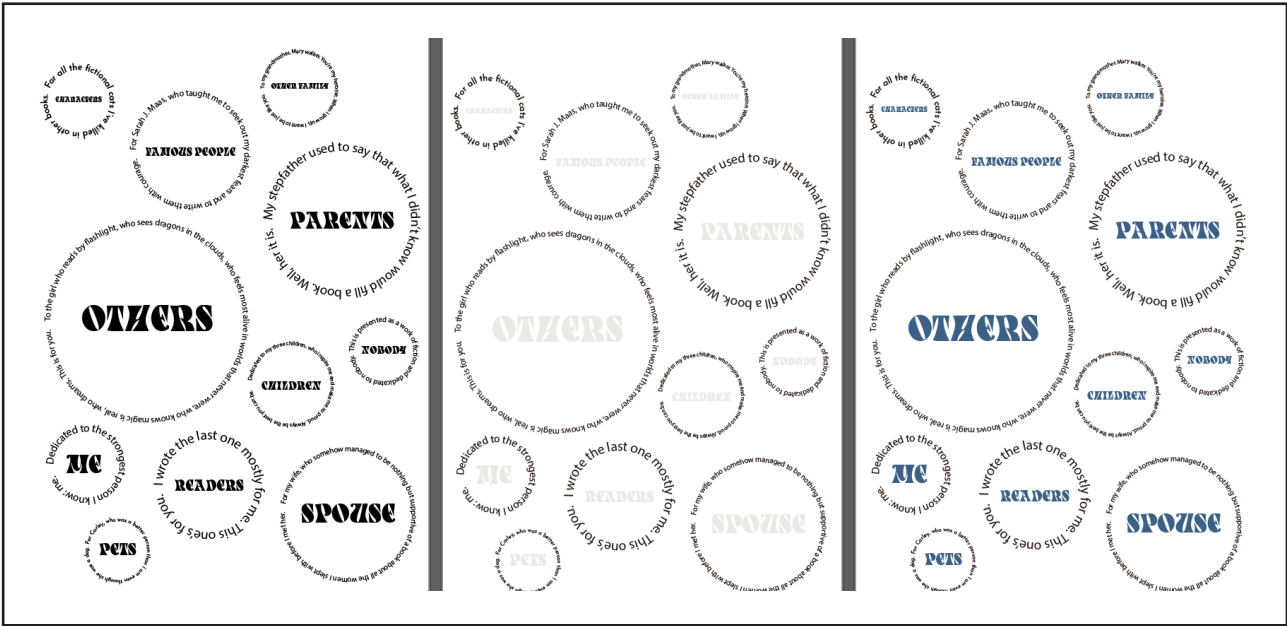
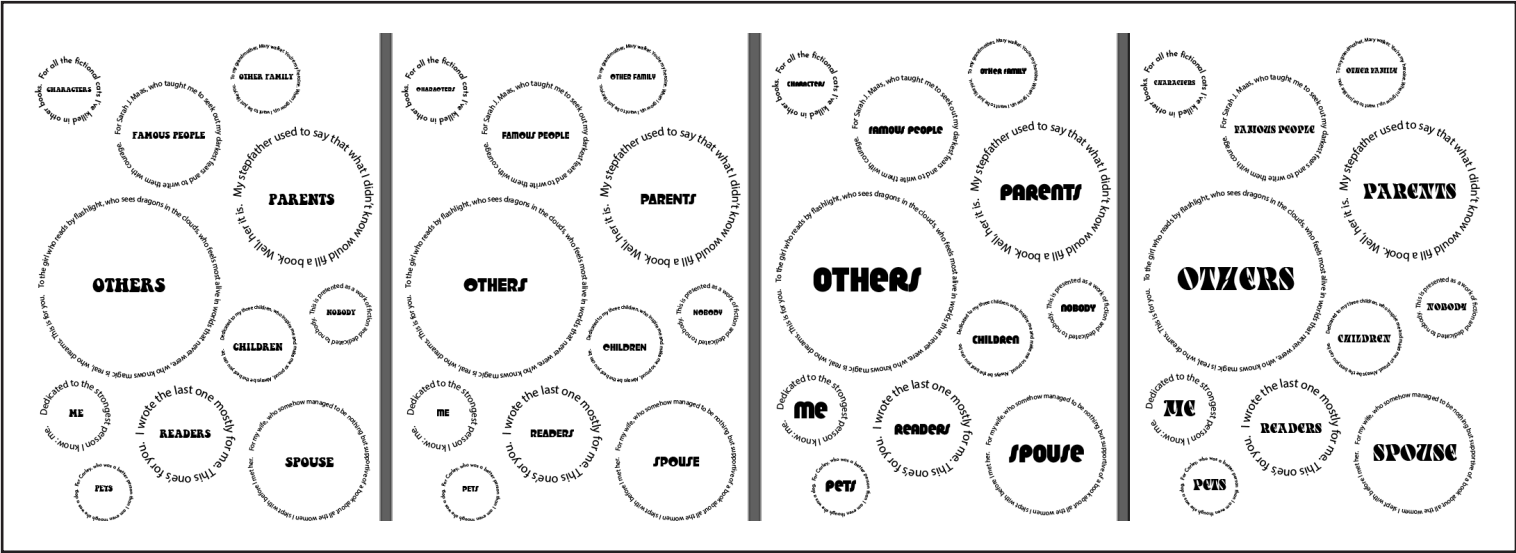
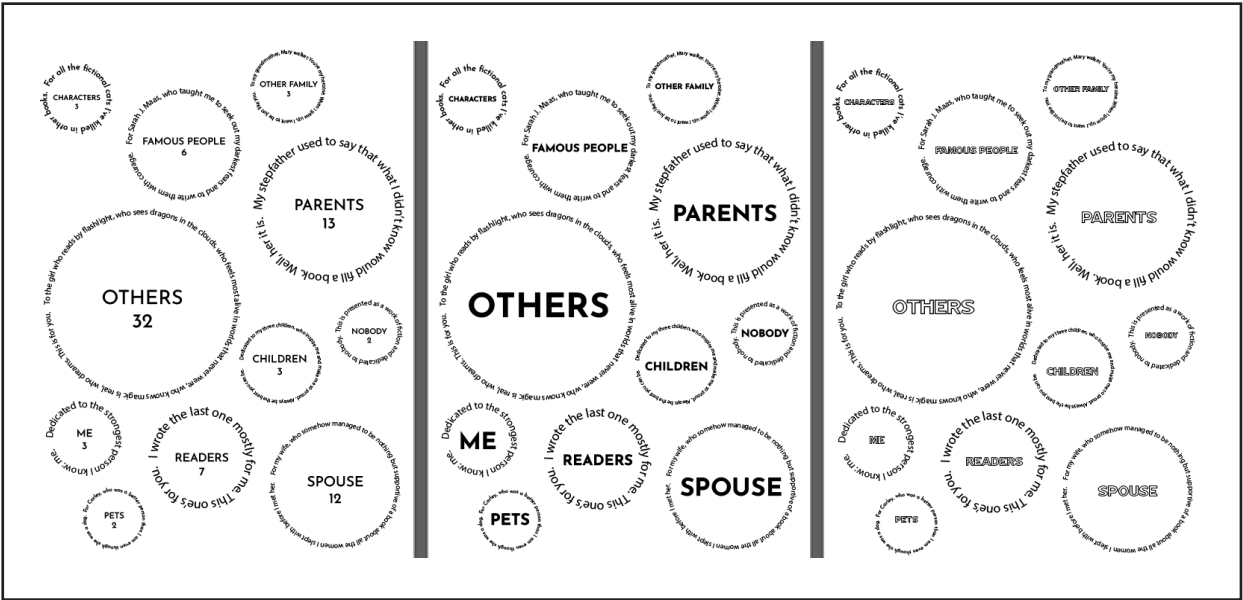


Experimentation

Creative map 2

The second map depicted was one of the more text oriented maps were the idea was for the dedications to form thought bubbles as to symbolize authors thinking of others in their dedications. The thought bubbles turned into actual bubbles or circles as to create a simple design.

The categories weren't originally to be represented, but came to be through the experimentation. The bubbles also changed in size as to depict the differences in how many dedications within each category. The font was experimented with, but the wish was to stick to a funky design, as can be shown with the font picked.



FOR

My always. My mother, belie. Carley. My wife Margarit. My children Ella
Rose and Daniel Adam. Colin Firth. Barbara Alexandra Dicks. Kanye
West. My parents. Mom. Dad. England. Tania. My parents. The students.
Family members. Me. Mom. My wife. Scott. Mom, dad, Kaiti, Laurie,
Duncan, Sarah, joey, and lee. Zelda. Zafar Rushdie. Lovers and dream-
ers. Mom. My stepfather. Nicole. You. Rose, my partner in crime. My
father. My brothers and sisters. My grandmother, Mary walker. Me. All
my enemies. My wonderful readers. Theodore Roosevelts left testicle.
Sarah J. Maas. You. Gideon and Harper. My mom. Harper and Gideon.
My parents. My wife. Angela. Cassandra Clare. J. Alastair Frisky. Julia,
Jake, and Katherine. Nobody. My father, Joseph Hill Evans. The Reader.
My three children. My wife Karen. Kate, my love, my life, my light.

Experimentation

Creative map 3

The last map is again based of dedications, but this time specifically *who* they were dedicated to. The idea was to include the repeated *to my ... or for my ...* Simplifying this became the process for this one in the way of excluding punctuation, capitalisation or repeated words. The main repeated word would then be placed at the top in big letters.

TO

my always. my mother, belie. carley. my wife margarit. my children ella
rose and daniel adam. colin firth. barbara alexandra dicks. kanye
west. my parents. mom. dad. england. tania. my parents. the students.
family members. me. mom. my wife. scott. mom, dad, kaiti, laurie,
duncan, sarah, joey, and lee. zelda. zafar rushdie. lovers and dream-
ers. mom. my stepfather. nicole. you. rose, my partner in crime. my
father. my brothers and sisters. my grandmother, mary walker. me. all
my enemies. my wonderful readers. theodore roosevelts left testicle.
sarah j. maas. you. gideon and harper. my mom. harper and gideon.
my parents. my wife. angela. cassandra clare. j. alastair frisky. julia,
jake, and katherine. nobody. my father, joseph hill evans. the reader.
my three children. my wife karen. kate, my love, my life, my light.

TO

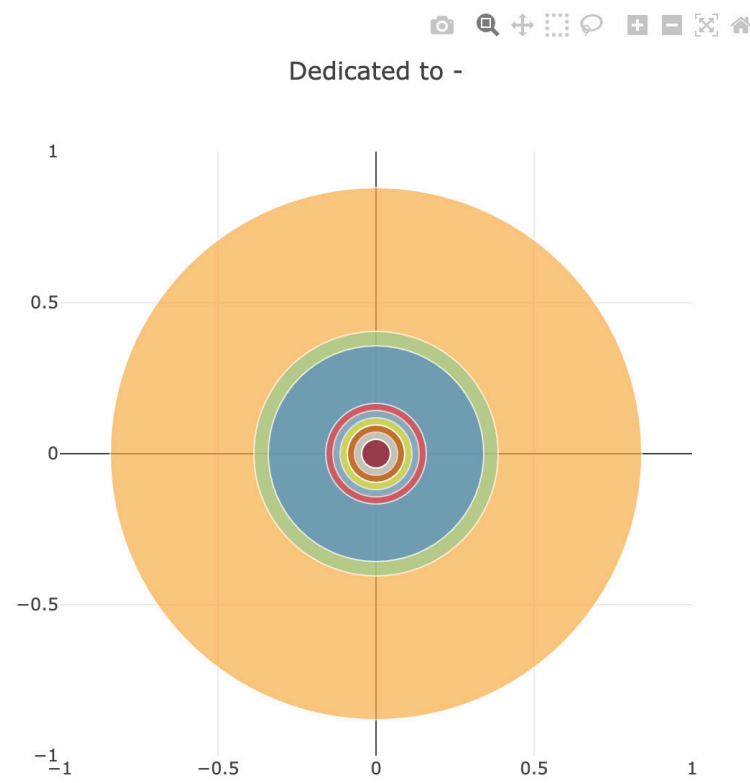
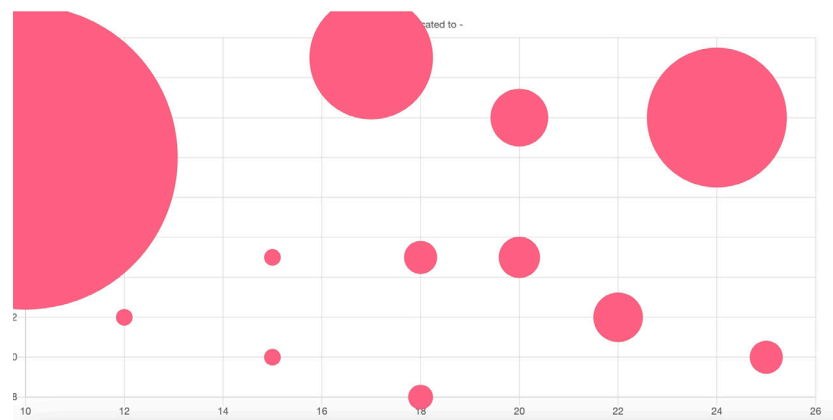
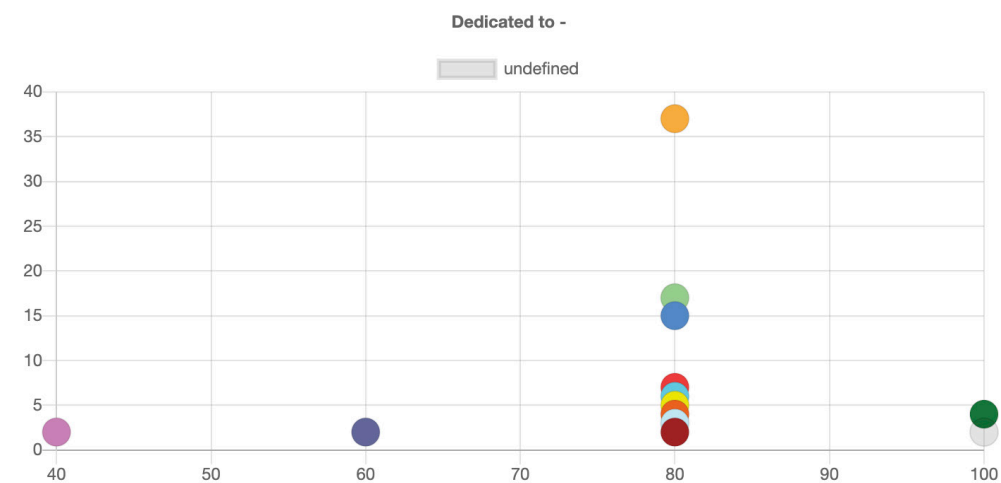
my always my mother belie carley my wife margarit my children ella
rose and daniel adam colin firth barbara alexandra dicks kanye
west my parents mom dad england tania my parents the students
family members me mom my wife scott mom dad kaiti laurie
duncan sarah joey and lee zelda zafar rushdie lovers and dreamers
mom my stepfather nicole you rose my partner in crime my father
my brothers and sisters my grandmother mary walker me all my
enemies my wonderful readers theodore roosevelts left testicle
sarah j maas you gideon and harper my mom harper and gideon
my parents my wife angela cassandra clare j alastair frisky julia
jake and katherine nobody my father joseph hill evans the reader
my three children my wife karen kate my love my life my light

Experimentation

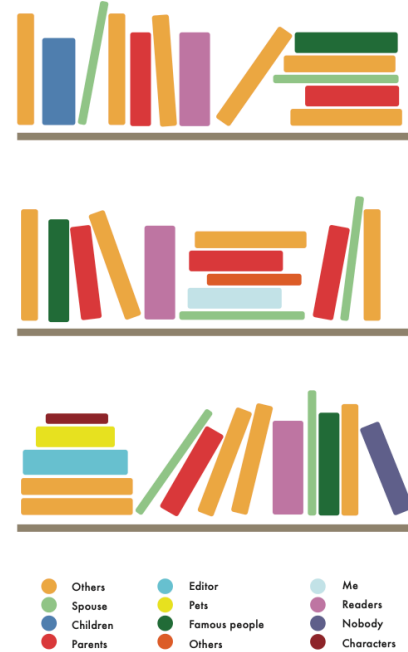
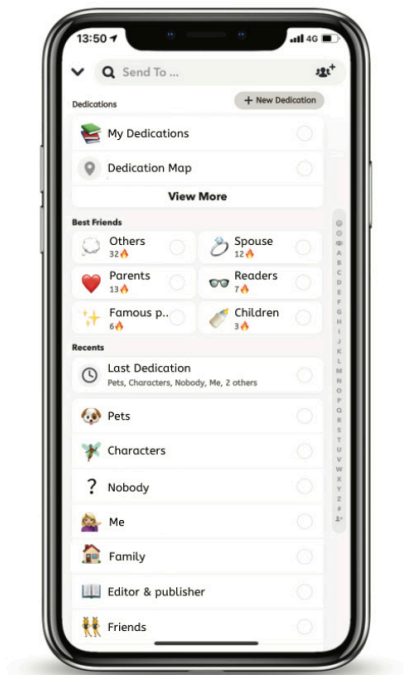
Javascript

The original plan was to work with D3 as that is what was introduced in class. However, chart.js was found easily understandable and more user friendly.

There was some experimentation as to the graph; different kind of bubble charts. For one, the goal was to simply have some free flowing bubbles. Yet, it ended up a little confusing as the placement had nothing to do with the data, so it was disregarded.



```
111     }  
112   };  
113   </script>  
114  
115   <script type="text/javascript">  
116     window.onload=function(){  
117       new Chart(document.getElementById("bubble-chart"), {  
118         type: 'bubble',  
119         data: {  
120           labels: "Africa",  
121           datasets: [{  
122             label: ["Others"],  
123             backgroundColor: "",  
124             title: "dataTitle1",  
125             data: [{  
126               x: 21269017,  
127               y: 5.245,  
128               r: 15  
129             }]  
130           }, {  
131             label: ["Spouse"],  
132             backgroundColor: "rgba(60,186,159,0.2)",  
133             title: "dataTitle2",  
134             data: [{  
135               x: 258702,  
136               y: 7.526,  
137               r: 10  
138             }]  
139           }, {  
140             label: ["Parents"],  
141             backgroundColor: "rgba(0,0,0,0.2)",  
142             title: "dataTitle3",
```



Finished project

Creative maps

The projects seen on the left are the finished creative maps.

The first one is the Snapchat-app with changes made to match the content. The categories are written with what is usually the age of a streak kept as the number of dedication out of a hundred within that category. The dedications at the bottom are the ones with the fewest number.

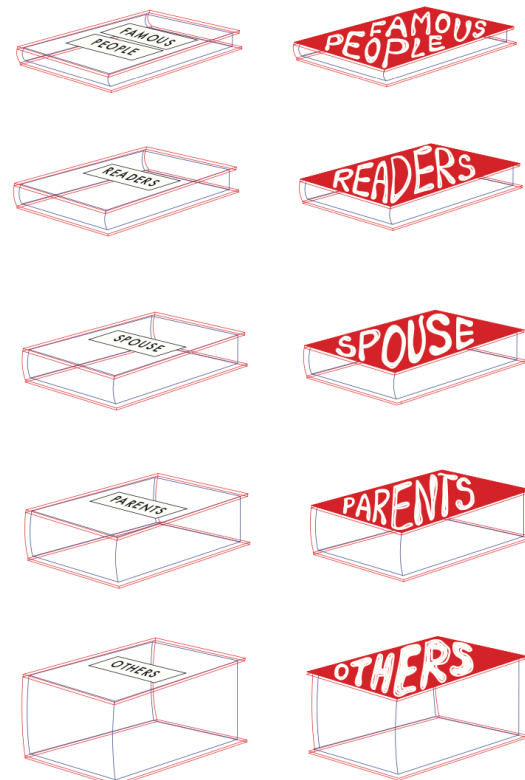
The second map is a bookcase where each book is given a color to represent the dedication category. The number of books is dependent on the percentage it represents.

The third map reresents the idea of where our thoughts take us as they in some ways take flight. The books are therefore depicted as flying and the categories written around a specific book.

The fouth, fifth and sixth maps are already explained, but can now be seen finished.

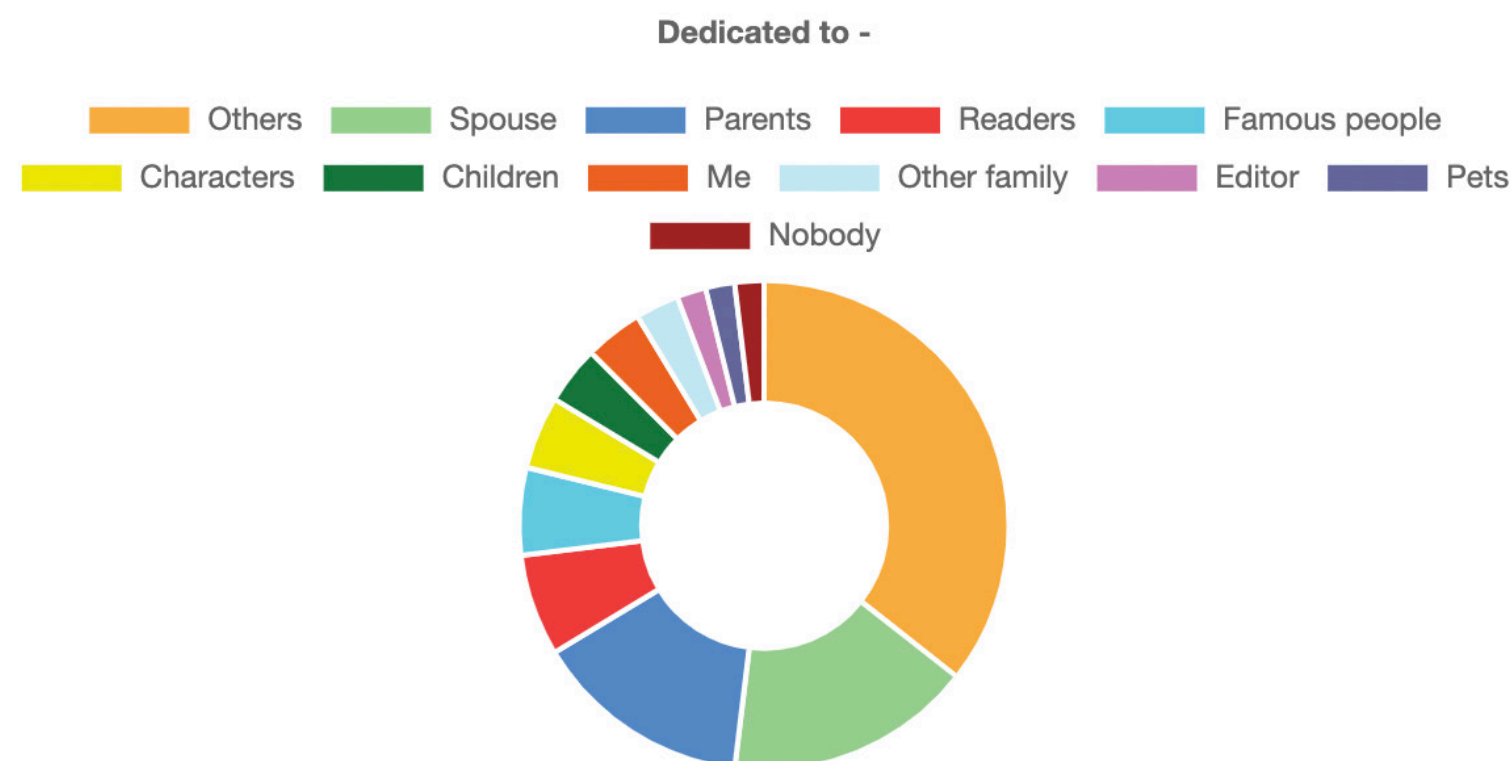
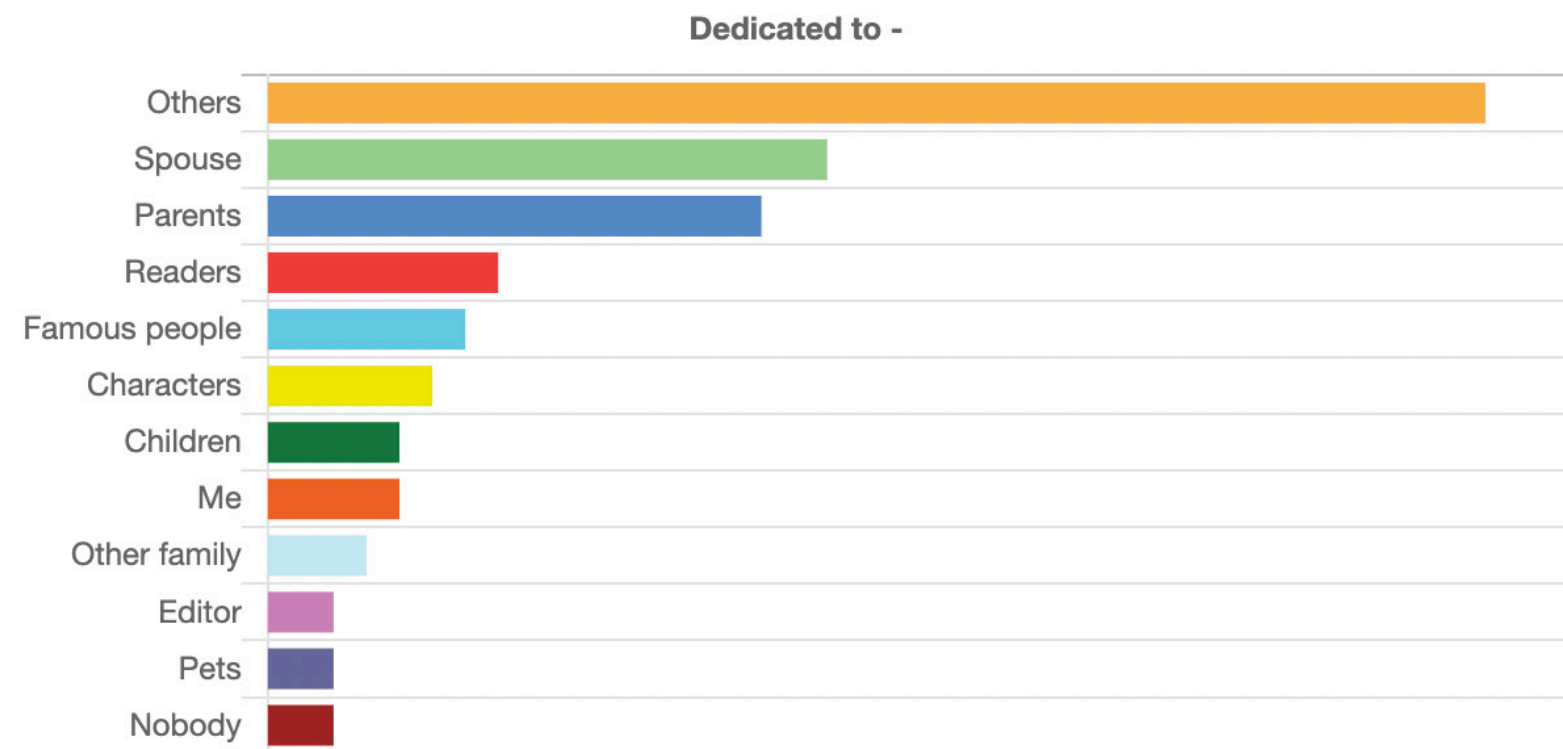
FOR

My always. My mother. Belie. Carley. My wife Margarit. My children Ella Rose and Daniel Adam. Colin Firth. Barbara Alexandra Dicks. Kanye West. My parents. Mom. Dad. England. Tania. My parents. The students. Family members. Me. Mom. My wife. Scott. Mom. Dad. Kaiti. Laurie. Duncan. Sarah. Joey. Lee. Zelda. Zafar Rushdie. Lovers and dreamers. Mom. My stepfather. Nicole. You. Rose. My partner in crime. My father. My brothers and sisters. My grandmother. Mary walker. Me. All my enemies. My wonderful readers. Theodore Roosevelts left testicle. Sarah J. Maas. You. Gideon and Harper. My mom. Harper and Gideon. My parents. My wife. Angela. Cassandra Clare. J. Alastair Frisky. Julia. Jake. Katherine. Nobody. My father. Joseph Hill Evans. The Reader. My three children. My wife Karen. Kate. My love. My life. My light.



Finished project

Javascript



These are the finished graphs made using Chart.js. Two different charts were chosen as to visualise the data in two different ways. Now, it was decided to not only visualise the collected data with the creative maps as the goal was to have something easily understandable showing the numbers, as well as something creative to be interpreted.

The charts chosen are easy to interpret and shows the data well, as well as uses the colors used in one of the creative maps to subtly link them.

The placement of elements on the web page was chosen to make the page easy to navigate with simple fonts, and the focus on the visualisation itself. The goal was to not have much content on the page as to not distract.

Possible improvements

Possible improvements would be to experiment more with Chart.js or D3 to make the maps more interactive, other than the hover effect showing the labels. Possibly have the user choose what is shown in some way; manipulating the visualised data.

Another improvement would be to collect dedications from several different genres, but keeping them within those genres to see how the dedications might differ.

Visualisation of dedications

Data has been collected as to who authors most often dedicated their books to. This data is being visualised in the form of graphs and creative maps.

