

Data Visualisation

Nicole Horward

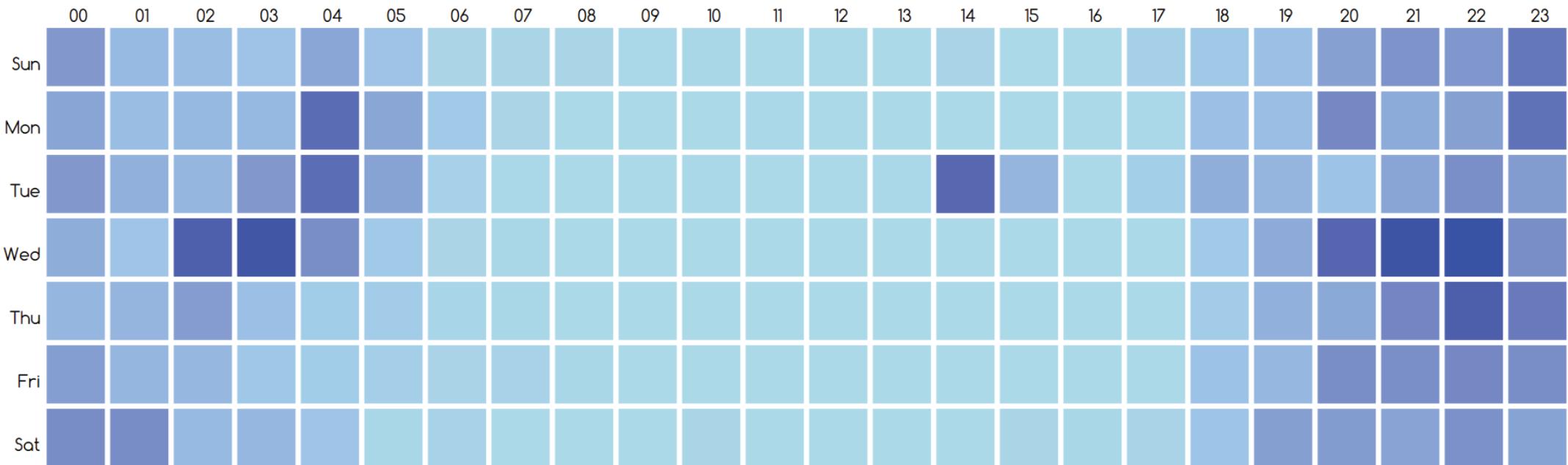
2018-2019

Assignment 1: Nicole-O-Meter



A 3D printed map of Belgium, showcasing the absolute number of Nicole's per province, created with Fusion 360. The height of each province correlates with the amount of Nicole's living there in 2017.

Assignment 2: Hamster-O-Meter



An interactive heat map visualising Harold's runs in his hamster wheel,
created using D3.js.

A poster about Harold to showcase at the Clash of Sounds.

Harold the Hamster runs in his wheel were tracked by an IoT device between the 20th of October 2017 and the 22nd of October 2018.



Total distance measured:
588 km

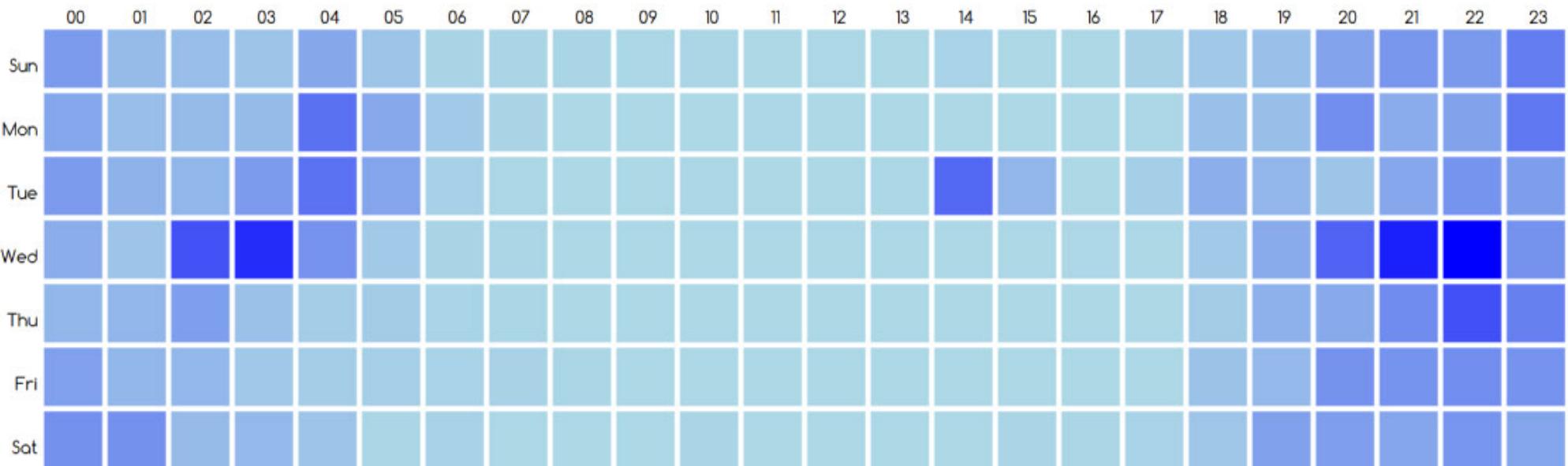
This heatmap is a summary of all the data recorded, displayed as the average amount Harold ran per hour, per weekday in meters.



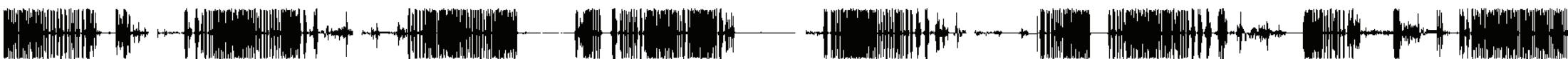
Total amount of wheel rotations
1,040,728

Harold The Hamster

Average distance in meters



Assignment 3: Sounds-Like-Running-O-Meter



A sonification of Harold's runs in his hamster wheel,
made with Pure Data.

The more Harold runs per hour, the faster the running sounds are.

Assignment 4: Animal-O-Meter

Animal-o-meter

How many are you?

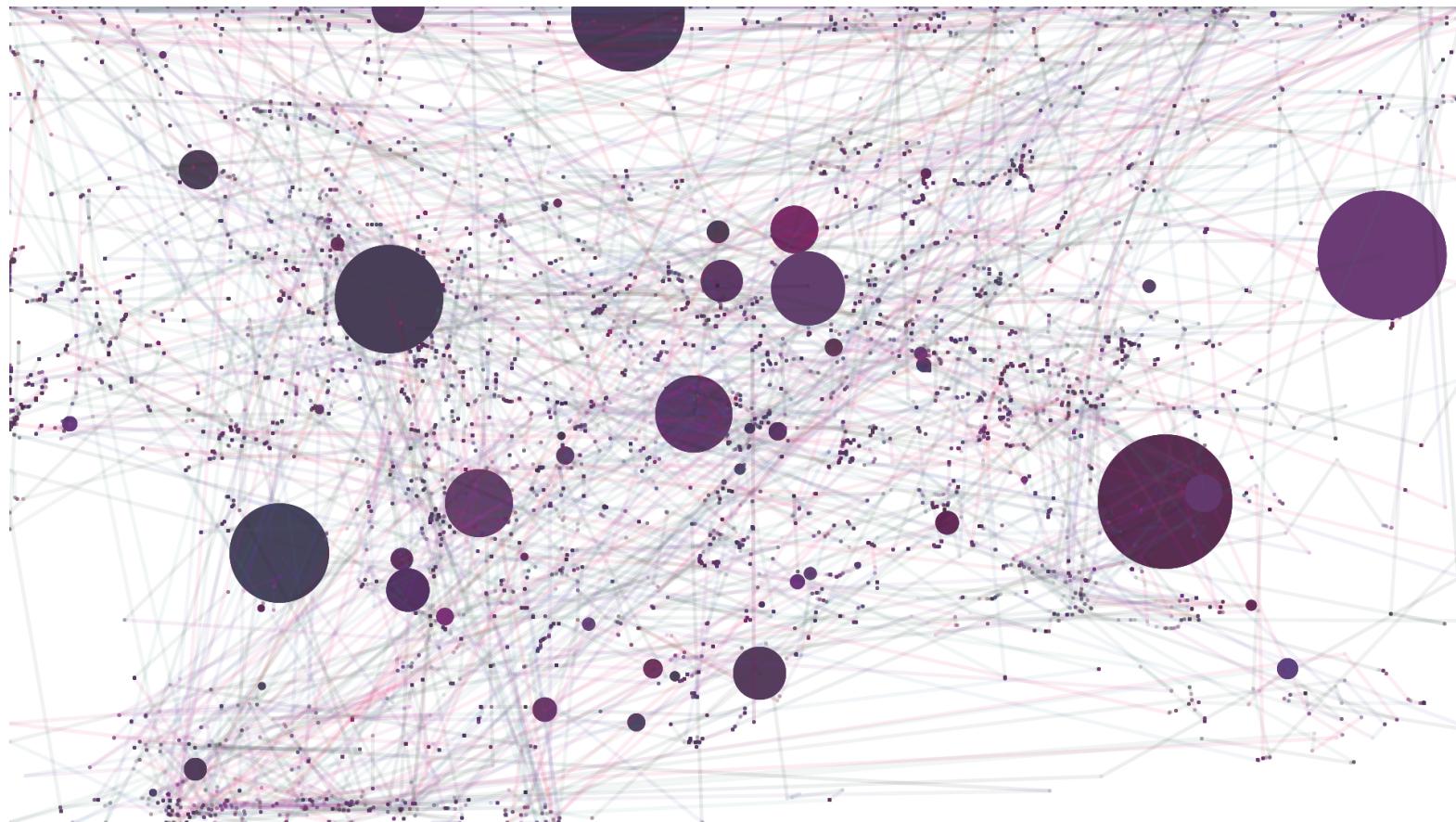
Your weight in kg:

186 squirrels

The grid consists of 186 small, black squirrel icons. They are arranged in a rectangular pattern with 18 rows and 10 columns. Each squirrel icon is a simple, stylized drawing of a squirrel's head and upper body.

An interactive webpage where you can select an animal and enter your weight, to see how many of an animal you are, made using D3.js.

Assignment 5: Mouse-O-Meter



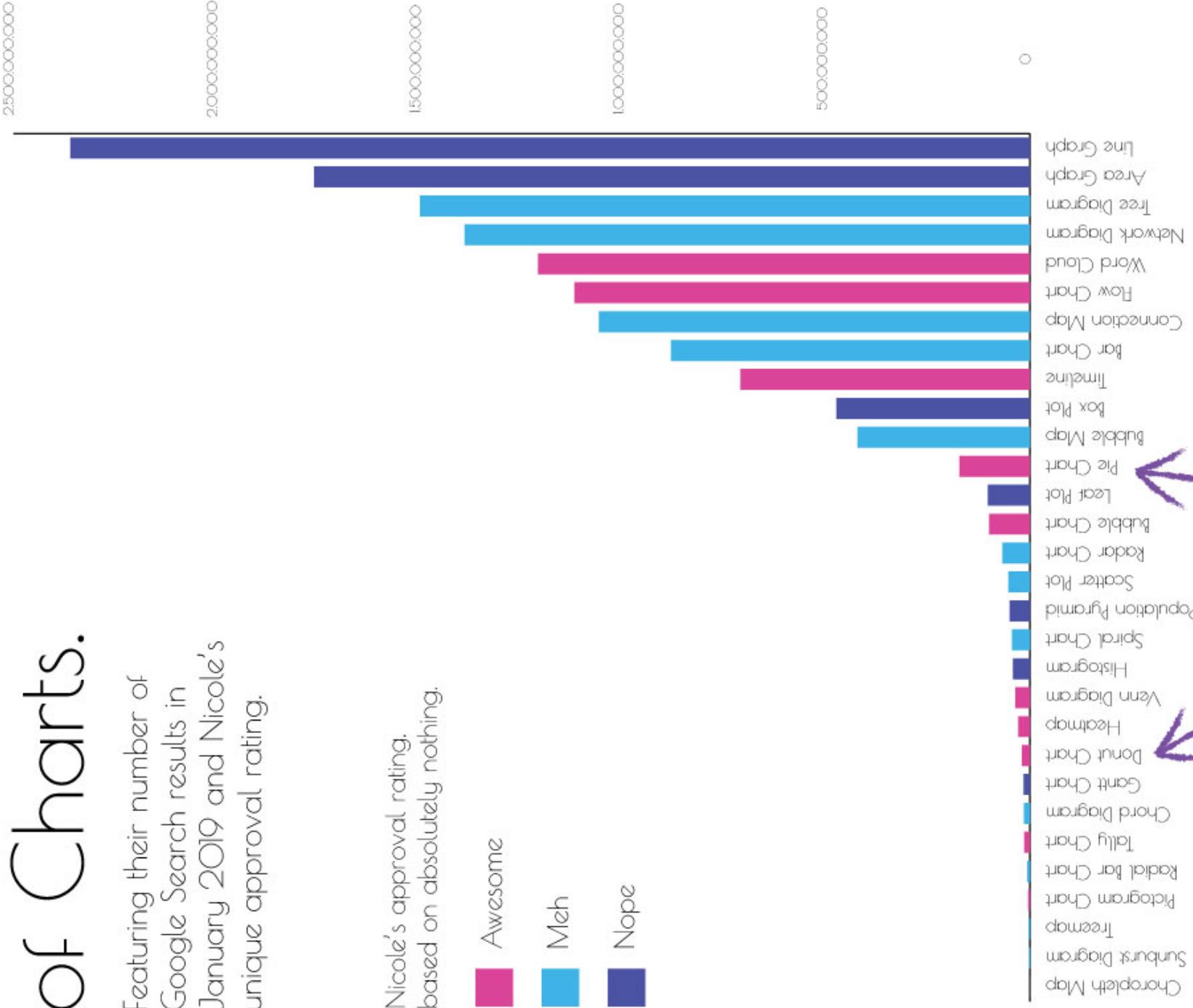
A Processing program that tracks the movements of your mouse and visualises it in an artsy and experimental way.

A Chart of Charts.

Featuring their number of Google Search results in January 2019 and Nicole's unique approval rating.

Nicole's approval rating, based on absolutely nothing.

- Awesome
- Meh
- Nope



Line Graph
Area Graph
Treemap Diagram
Network Diagram
Word Cloud
Flow Chart
Connection Map
Bar Chart
Timeline
Box Plot
Bubble Map
Pie Chart
Leaf Plot
Bubble Chart
Radar Chart
Scatter Plot
Population Pyramid
Spider Chart
Venn Diagram
Heatmap
Gantt Chart
Chord Diagram
Tally Chart
Radial Bar Chart
Pictogram Chart
Treeemap
Sunburst Diagram
Choropleth Map

Nicole would eat these