2019

London Bike Thefts

DATA VIZUALIZATION: GROUP C

MOUTAZ AL-HUNEIDI - EKATERINA CHUNOSOVA - GEORGE
PHILIPPE FARAJALLA - MARK FLEMING-WILLIAMS - ADILET
GAPAROV - VARUN RAJA - MADA SUSAN SUBAITI

After viewing numerous examples online of charts and graphs, we tried out a few ideas using our London Bike dataset.
From line graphs to scatter plots in attempt to showcase the grave reality that the UK has an alarmingly high number of bike thefts. It proved to be difficult to use the entire dataset given that it was too large and not transporting onto gist, therefore we filtered the data to analyse only London and the different neighbourhoods within the span of 3 years.

Link to the dataset upon which the chart is based on can be found here: https://gist.githubusercontent.com/vara11/5f1bb9c0cd8c0c452c21ea5ce4709285/raw/73a938ab5349b075f327c93c350a3da986f8638c/bike_theft_UK

In order to not be overwhelmed with information on the graph, we grouped all quadrants of the city outside the City of London, as the number of thefts in those areas were minimal.

We decided to make a horizontal bar chart to analyse the data with the option to shift through the years to compare the differences. With the X-Axis adjusting according to the year's crime limits, we clearly see that the cluster "City of London 001F" has an overwhelmingly large amount of bike related crimes especially in comparison to the other surrounding quadrants over the span of all three years.
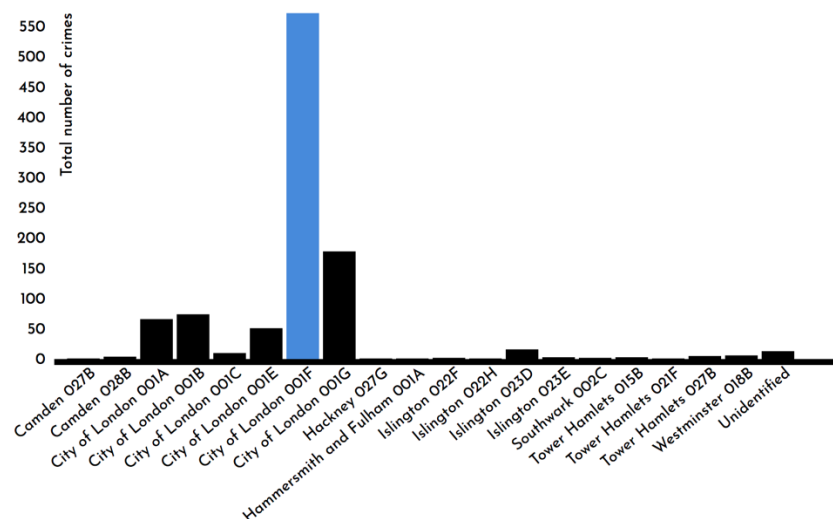
The Process:
We Initially were using the gist link to create the graph using the Simple Animated Bar Chart template provided by Sandra Becker's slides which can be found here:
https://blockbuilder.org/madisusan/90974748e07456513b149701f732741f

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However, we later found a horizontal bar chart template that suited our vision for the dataset we have.

We edited and personalised the features of the graph by picking out different fonts from "GoogleFonts" and colours to match the police theme we have carried out throughout the term.

The final version of our chart can be found in the following link: https://blockbuilder.org/madisusan/eabf274277ef3033698c14e599b831aa

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YEARS FOR BIKE CRIMES IN LONDON
○ 2015 ○ 2016 ● 2017