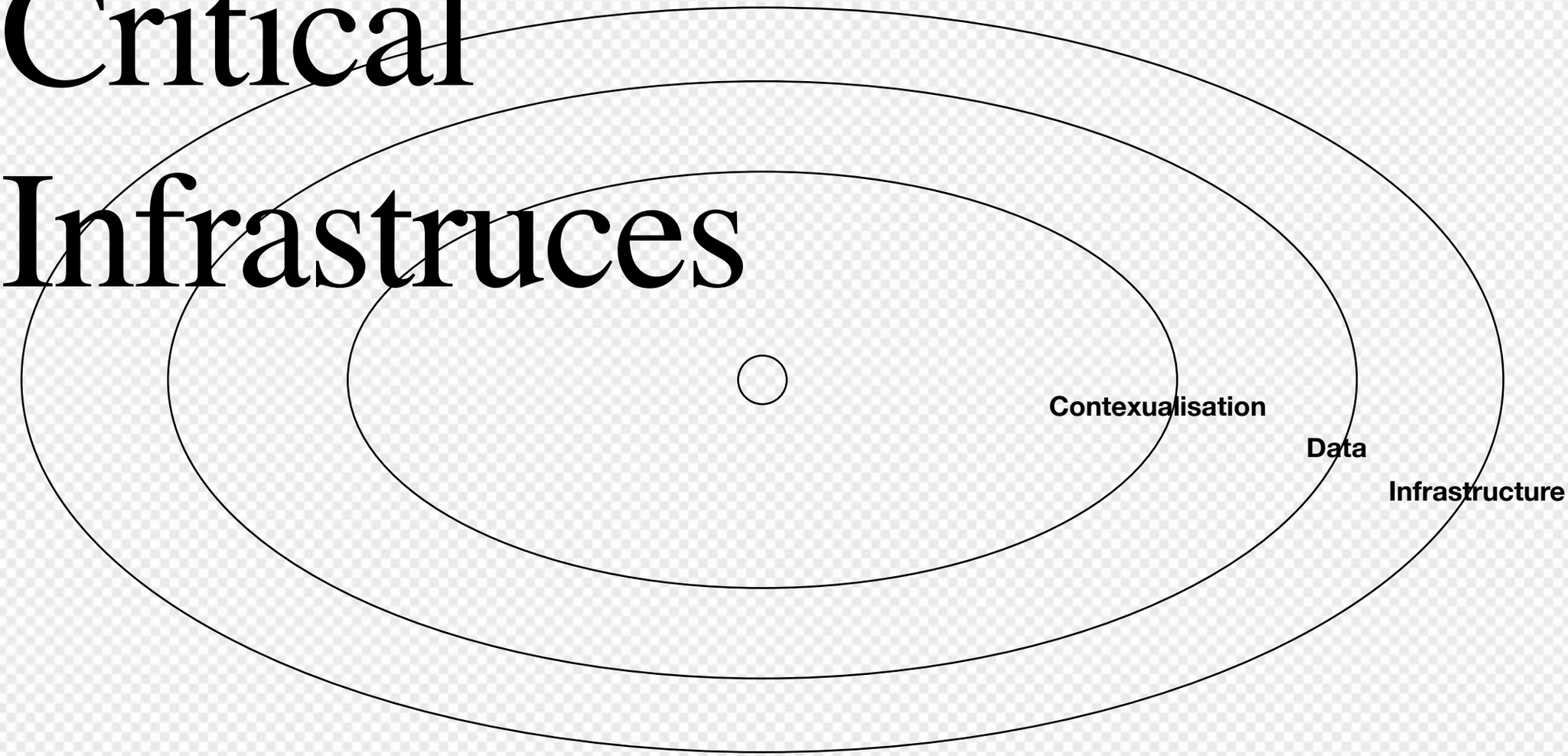
George Symonds

Critical Infrastruces



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Investigating & Interrogating the Cost of Living Poly-Crisis:

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- The Start
- Reseach + Inspiration
  - Aims + Audience

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- Process
  - The Research Database
  - Data Collection + Visulisation

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- In Space

Evaluation + Reflection
- Going Forward

Intro:

Welcome to my Critical Infrastructures Project

In this unit, I will be investigating the use of governmental datasets as infrastructure, the power of the media, and how data can be twisted to paint institutions in a self-beneficial light in relation to the cost of living crisis.

Investigating & Interrogating The Cost of Living Poly-Crisis

It's a multi-faceted topic that touches and is related lots of diferrent sectors in our world, so I had to intersectionally contextualise my data in research, looking at:

The UK
The Economy
The Climate Crisis
Social Inequality
Capitalism
The Media
Computational Systems

I will present my project in 2 parts - **The Research Database** (Investigating & Interrogating the Cost of Living Poly-Crisis) and the creation of my original dataset T**he Increase of Prices in Independent Stores.**

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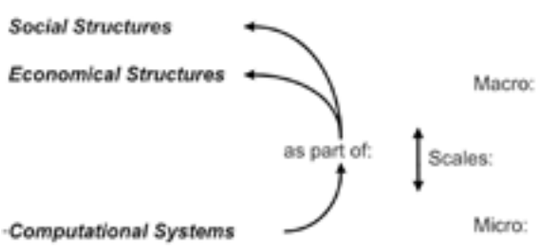
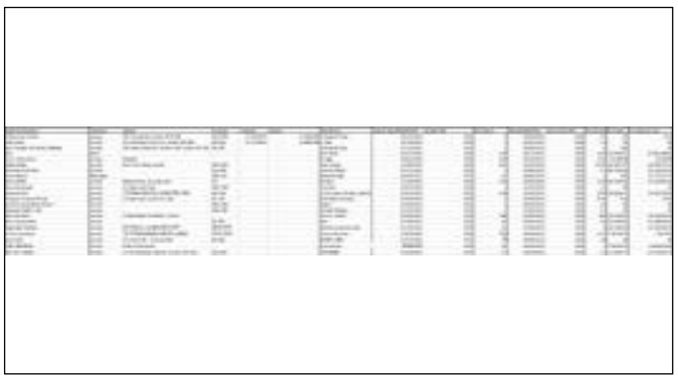


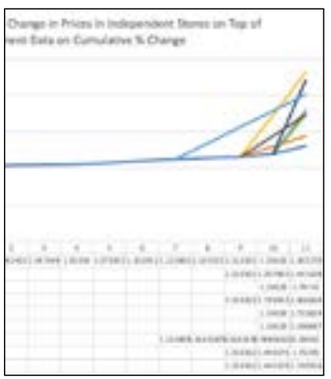
PROJECT OUTCOMES
RESEARCH DATABASE +
DATASET CREATION +
DATA VISUALISATION

THE RESEARCH DATABASE
ML Powered home defense system
2015

DATA RECORDING & COLLECTION
Mapping the Increase of prices in independent stores
downloadable + publically available .csv



DATA VISUALISATION
Plotting my data against governmental statistics
visualisation

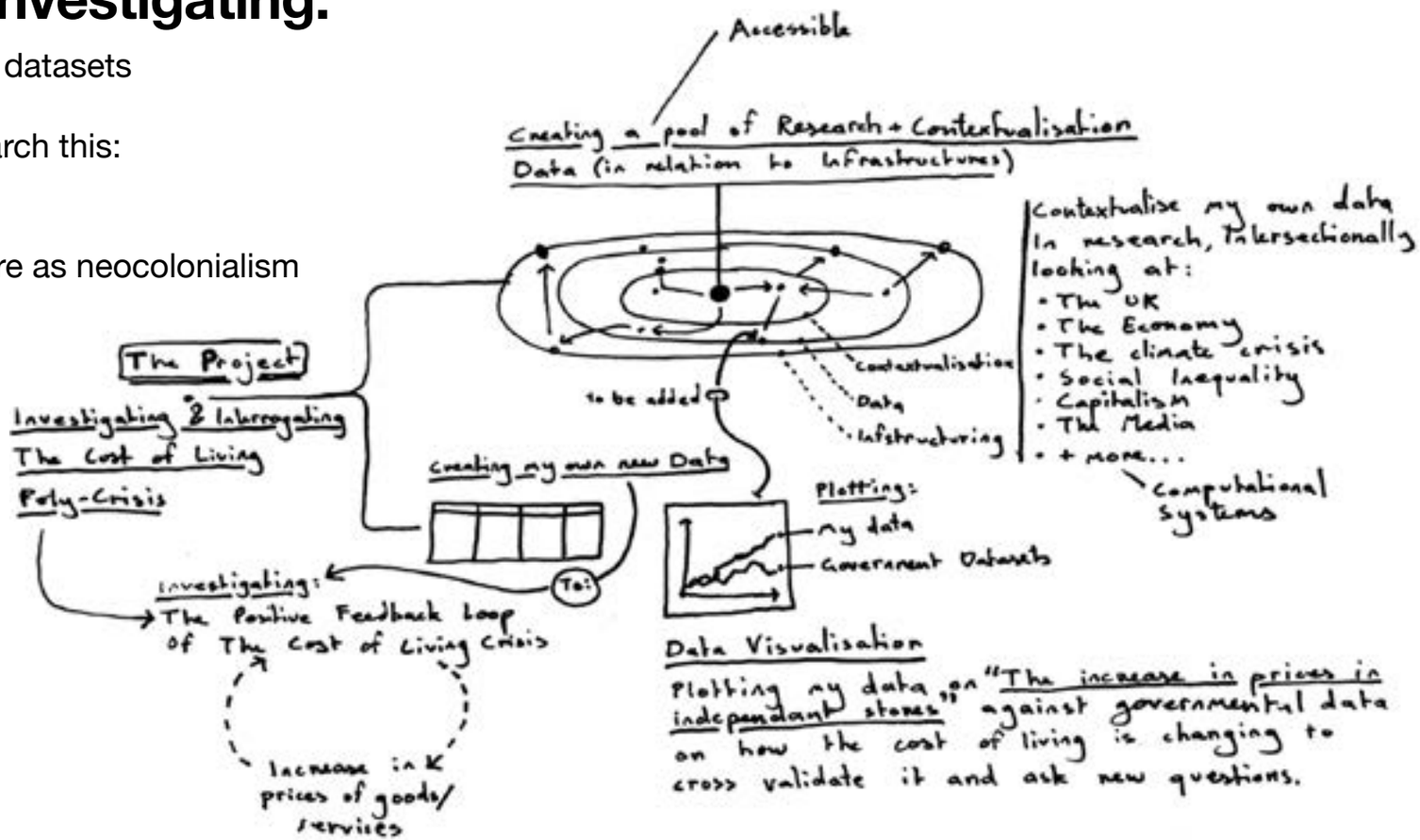


Concept:

Infrastructures I'm Investigating:

The Infrastructure of governmental datasets

Infrastructures I came across research this:
The media as infrastructure
Research papers as infrastructure
Platform Capitalism as infrastructure as neocolonialism



To Interrogate:

The Cost of Living poly-crises
- The positive feedback loop of the cost of living crisis
- Has the cost of living crisis manufactured

Can we turst governmental data?

Data Collection:

Pre-project inspirations

Before I started this project we had some experiences in our CCI workshops where we've created our own datasets and created spreadsheets/visualised them

THE WALK
Part of CI Lession
2023

COLLECTING PUB DATA
part of CI lesson
2023

What Data am I Going to be Collecting & Visualising for this Project?

As part of my public research database I'll be creating my own original data. Specifically, I will be investigating:
The Increase of Prices in Independent Stores

Why The Increase of Prices in Independent Stores? Because the rise in their prices is often a reaction to the cost of living crisis, unlike corporate monopolies hiking their prices for profit motives.

Analysing this data will shed light on the positive feedback loop of the cost of living crises, which is a phenomena which hasn't been discussed much and I couldnt find ay existing data on it.

The positive feedback loop of the cost-of-living crisis is a self-reinforcing cycle where rising costs perpetuate socio-economic inequalities. It impacts individuals, communities, and society, exacerbating economic vulnerability and widening existing disparities. Marginalised groups bear a disproportionate burden, facing limited access to affordable housing, healthcare, and other necessities.

Lens:

The Power of Public Data & The Politics of the Image:

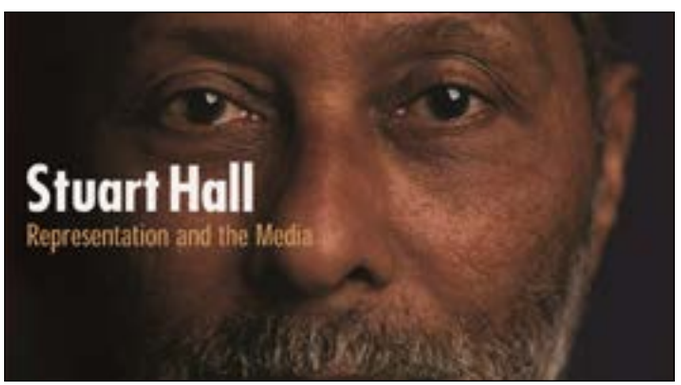
Data holds immense power in shaping society and the media that individuals consume. Stuart Hall, a prominent cultural theorist, argues that representation plays a vital role in constructing meaning and influencing social realities.

In his work “Representation and the Media,” Hall emphasizes that the media functions as a powerful mediator between the world and its consumers, shaping their perceptions, beliefs, and values.

Analyzing and leveraging data, media institutions having tbe ability to capture and interpret data, is pivotal in influencing societal narratives.

Other The Problems with data:
Tooay news & media outlets aren’t competing with just other news networks, but news entertainment - in an industry like this increasing engagement is more encouraged than enhancing the accuracy of representation.

Data explains points as proven, black or white, data paints there world we live in while in reality there not actually possible to capture what something is in data, when everything can mean so many different things for different groups



REPRESENTATION AND THE MEDIA
Film
Stuart Hall

The Start:

Initial Inspiration:

I got the idea for this project from what I want to do in my creative practise next year in my final year at uni.

I want to make a large-scale documentary on the cost of living crisis.

In doing research for it, I've realised how important other people's existing documentaries on the topic and reseach is important in building the frameworks for mine.

Keywords:

Data, Media, Representation, Research

Journey + Development

Inspiration:

THE CI RESOURCE DATABASE
from tutors
2023

Research + Current Public Government Data:

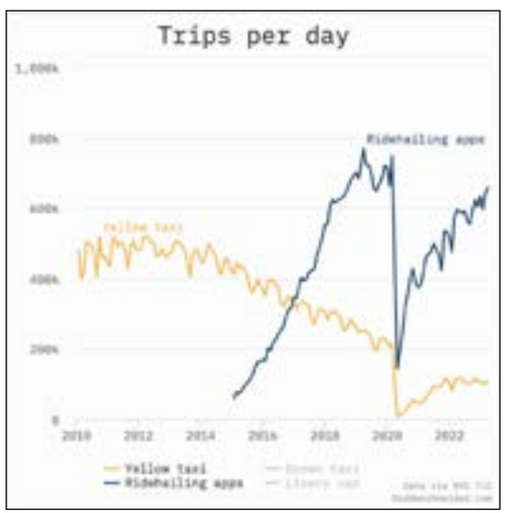
I was heavily inspired by video documentaries I've watched on youtube. such as **Second Thought**'s (2021) *The Two Futures Of Automation*, or **Popular Front'**s (2023) What the French Riots are Really About. Where they talk on topics more representative as to whats going on than how it's being shown on media

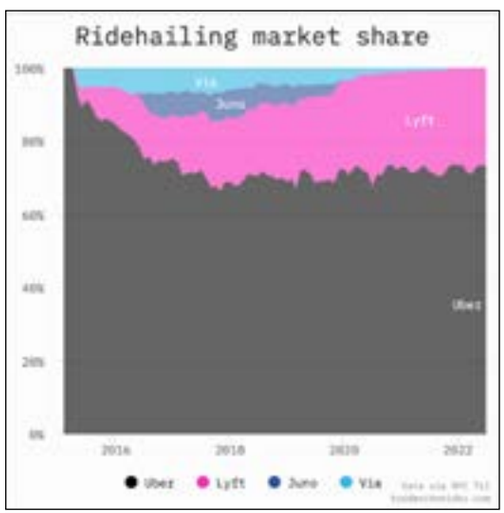
This is data obtained from ons.gov.uk regarding the inflation rate. The statement proudly proclaiming that inflation has "eased to a further 9.4% in April 2023" appears alarmingly disconnected from the actual realities of the cost of living in the UK. By focusing solely on percentage changes without providing the actual increases, the data fails to accurately represent the significant impact on individuals' expenses. It is misleading to suggest that a 10% increase one month followed by a 9% increase the next month indicates a decrease in inflation by 1%. In reality, these successive increases actually amount to a **19.9%** rise over two months. This manipulation of data obscures the true extent of the cost burden faced by individuals, and raises questions about the transparency and accuracy of the information provided.

The Two Future's Of Automation
Second Thought
(2022) video documentary

What The French Riots are Really About
Popular Front
(2023) video documentary

Taxi and Ridehailing Usage in New York City
Data Visualisation
toddwschneider.com





Process:

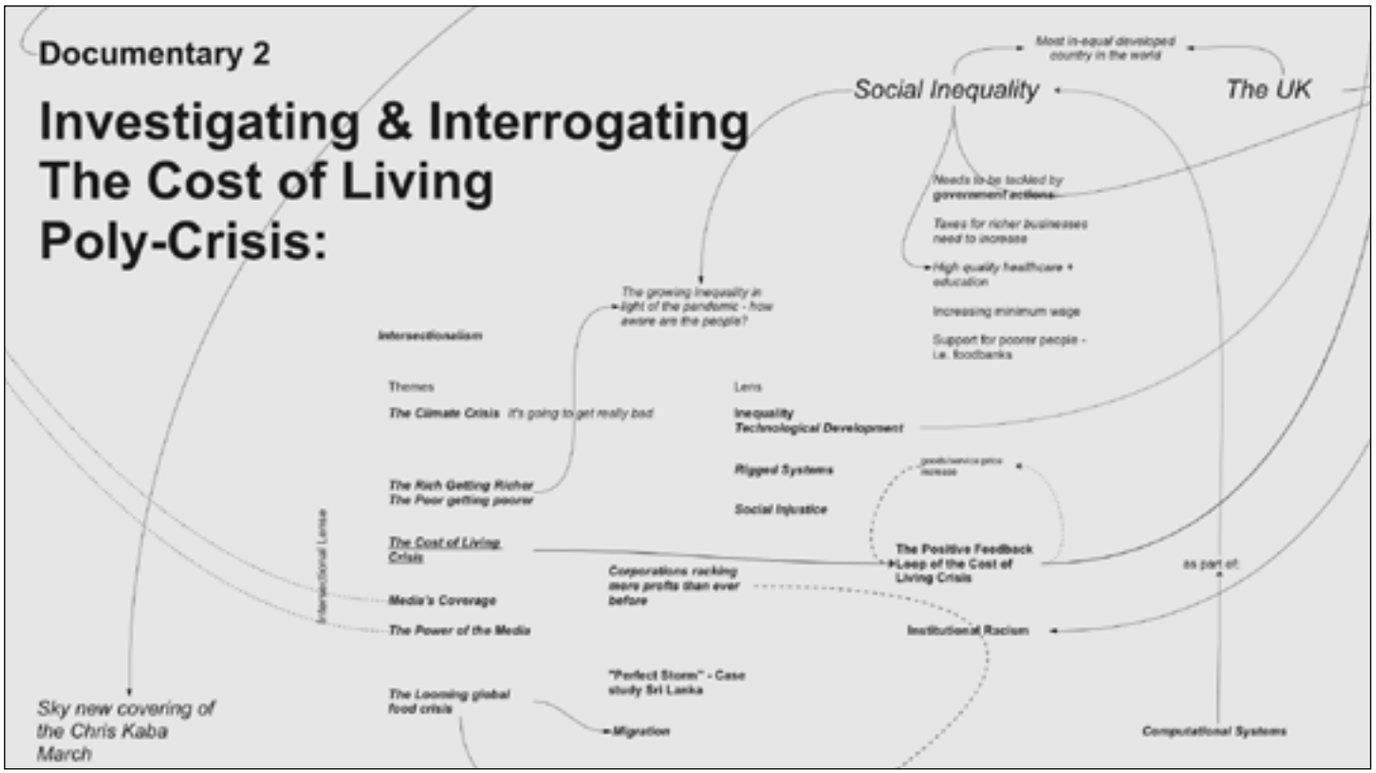
THE FINAL RESEARCH DATA
opdown menu to select webcam
Prototype

[Part 1] Research Database Creation:

Media: Miro
I needed one place to show everything together - so I decided to go with Miro, it's a really powerful tool for brainstorming and diagram creation, allowingme to piece together ideas in 2D.

I started with generating the topics that my world of work will sit in:
The Cost of Living Crisis
The Climate Crisis
The Power of Media's Coverage
Social Inequality
Technological Development

and connecting them to the Positive Feedback Loop of The Cost of Living Crisis.

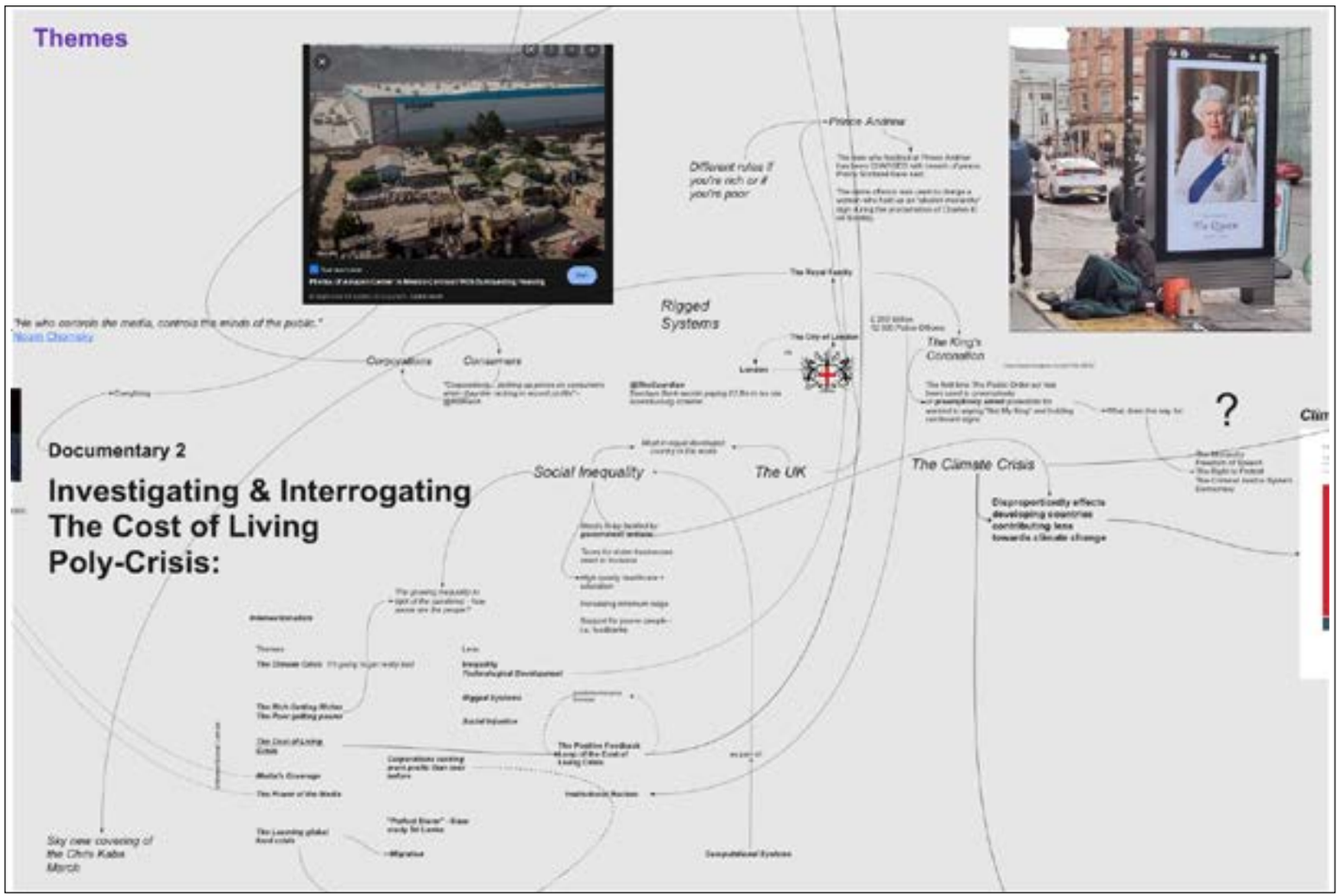


The positive feedback loop

Progression:

From there I zoomed out, connecting these ideas with the relationship between corporations & consumers

The supression of freedom of speech during the Kings Corronation, the medias coverage of that compared to the the covering of the Chris Kaba march.



THE FINAL RESEARCH DATA

opdown menu to select webcam

Prototype

Research Database Creation:

I then placed it in time, coming into 2023, what recent events before have shaped where we are today?

2016 The Brexit Referendum
2019 Boris Johnson as Prime Minister
2020 The Covid Pandemic
The top 10 richest men double their wealth during the pandemic
2022 NHS waiting lists higher than ever

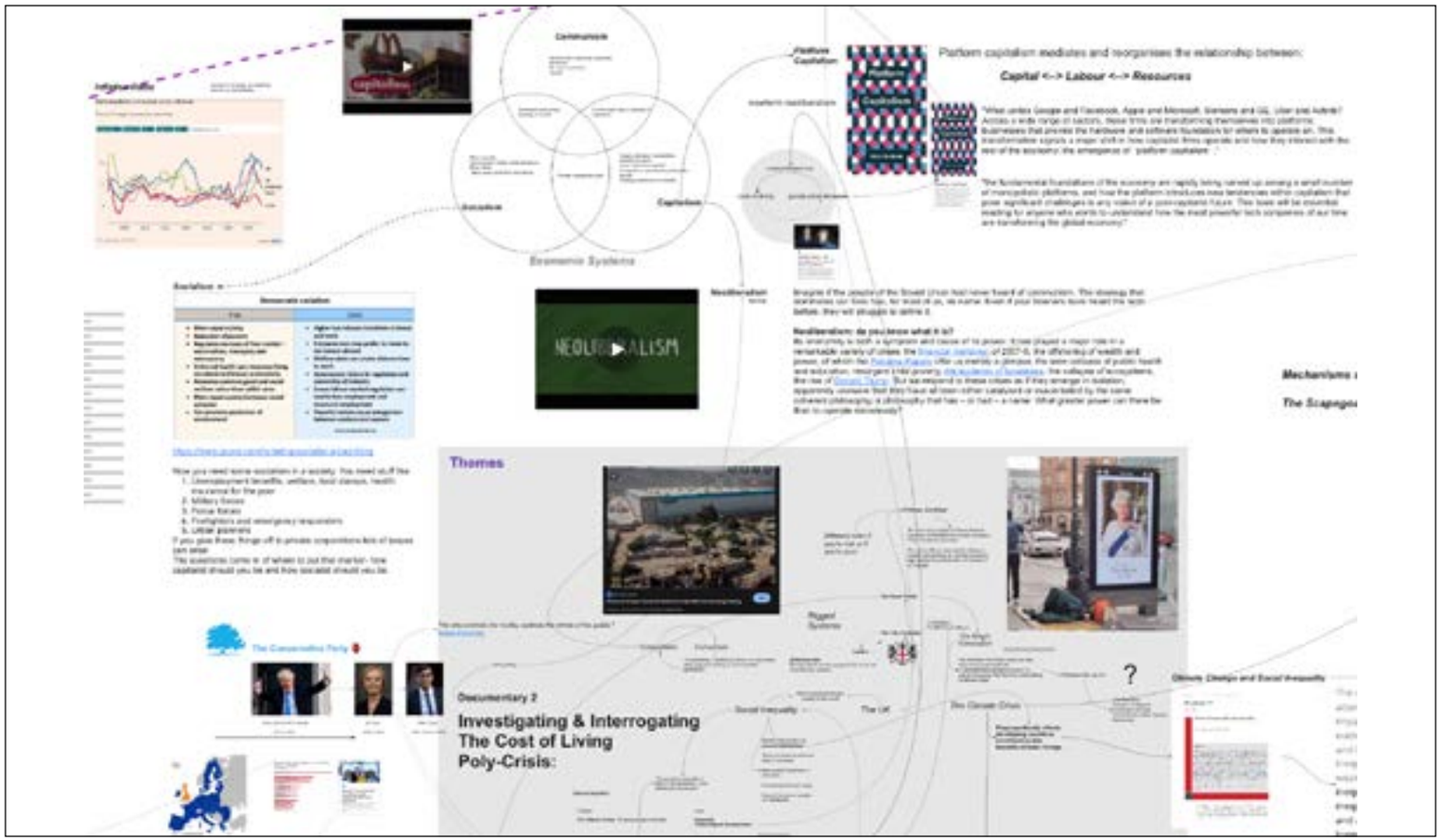
All of these factors have resulted in the current state of cost of living and are the reason we're stuck in a loop of increasing cost of living.

There is a lot that can be added here, I aim to continue building this timeline in the future.

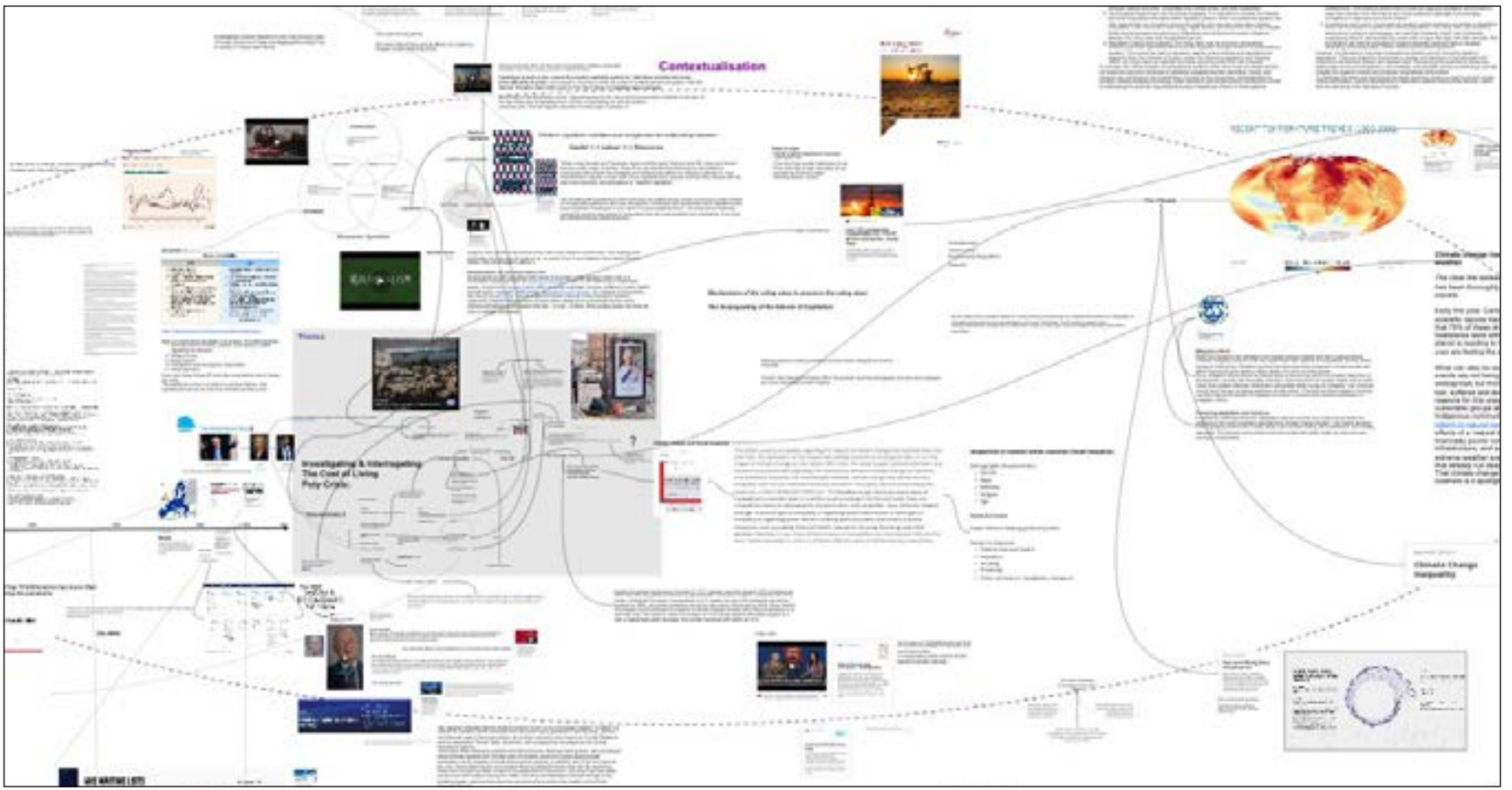
Project Themes & Topics

Contextualisation Progression:

From there I zoomed on on topics, and the systems that interlink them. Capitalism, Platform Capitalism, Neoliberalism, The rise inflation rates, and the relation between Economic systems.



Full Contextualisation



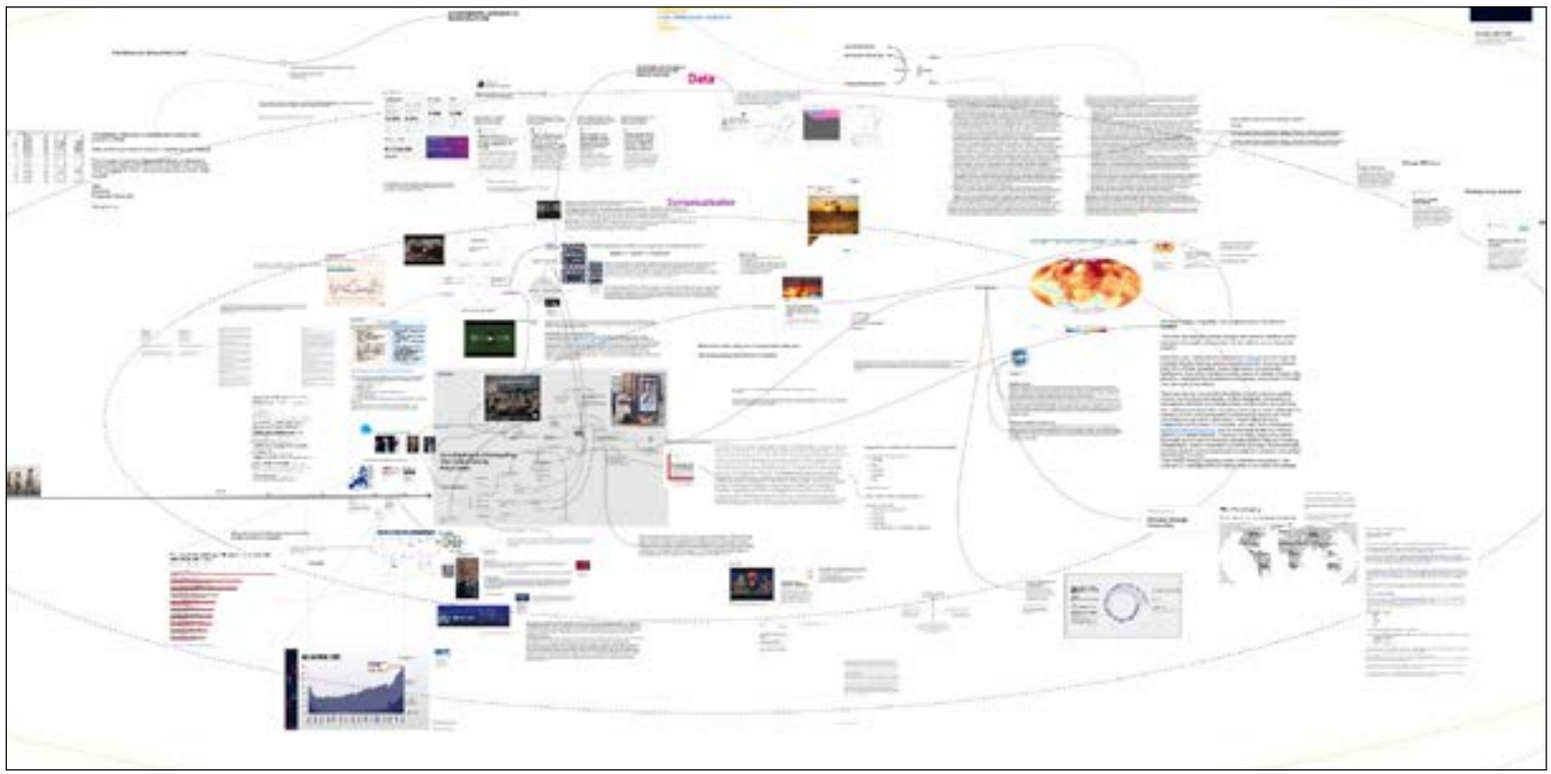
I then zoomed out further, how do these topics relate to the climate and the climate crisis? The ways the climate relates to social inequality - how it disproportiontly effects developing countries contributing less towards climate change. Aswell as the World Economic Forum, and the scary agendas they're pushing. And furthermore to the media, and why we can't trust the corporate media. The Impact of Emerging Technologies on the Labour Market.

At the same time linking all of these ideas together, visualising the relationships between them

Sharing + Data Resources:

Then I wanted to link my contextual research to data, and resources that back them up.

Including lots of different data realting to these topics would be helpful for anyone using this research database to reference and use for their own ideas/ projects.



I included public data on:

data.london.gov.uk
- The cultural infrastructure map

climate.gov
- Climate Change: global Temperature

ons.gov.uk
- What actions are people taking because of the rising cost of living
- Public opinions and social trends, working arrangements
- Public opinions and social trends, personal well-being and loneliness
- Public opinions and social trends, household finances
- Consumer price inflation tables

IFS
- NHS Waiting Lists

As well as my own past-data visualisation projects:
- Sea Level Rising Data
- Climate Change Inequality

THE FINAL RESEARCH DATA
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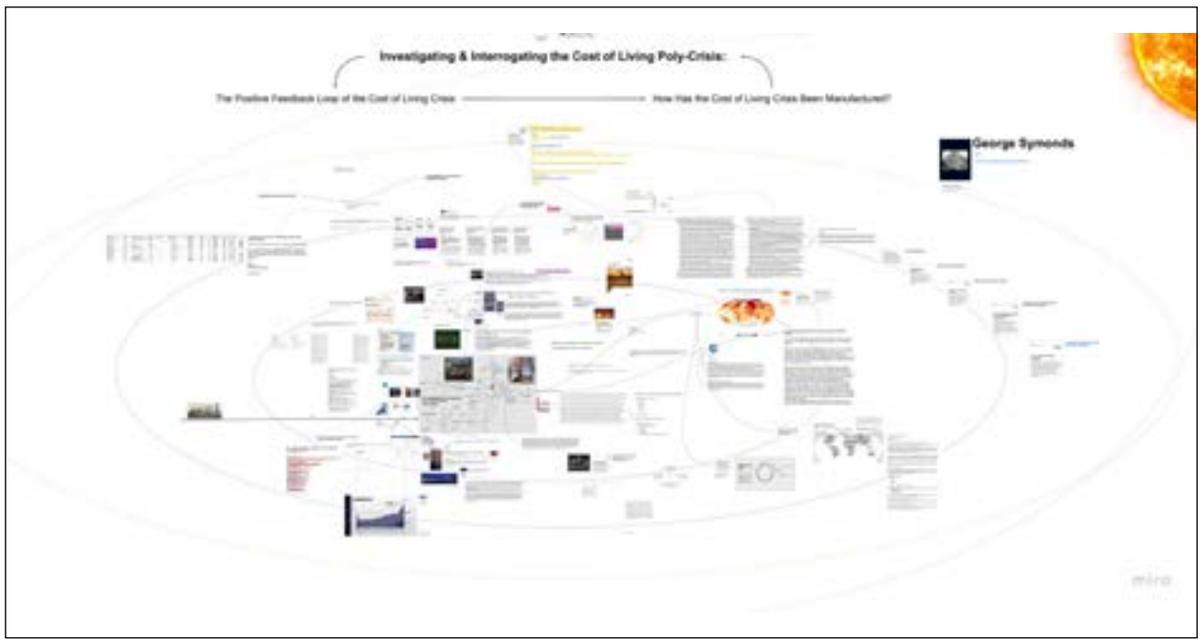
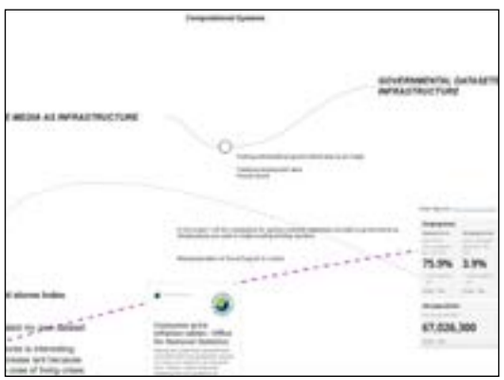
Prototype

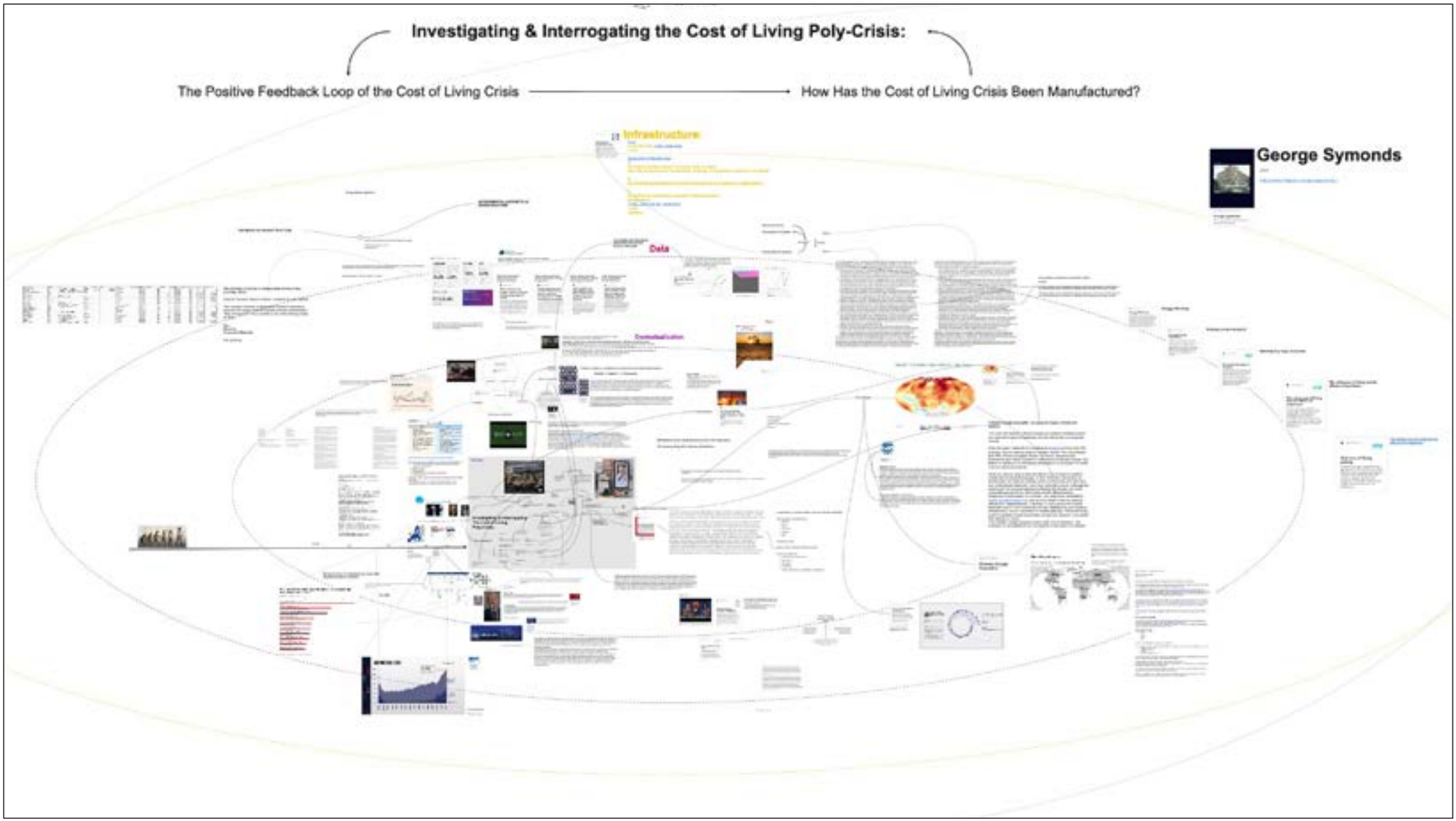




Combining the Media as Infrastructure and Government datasets as Infrastructure
on pushing self-beneficial stats for image
miro

(Above) I then zoomed out even further, placing all of the data and research in the context of Infrastructure. Linking ideas with the statments:

Governmental Datasets Infrastructure
The Media as infrastructure
Computational Systems as infrastructure



THE FINAL RESEARCH DATABASE

https://miro.com/app/board/uXjVOg9qpsk=/?share_link_id=69088705778

Miro

Making the Dataset:

[1] Mapping the Increase of prices of Independent Stores

I now had to collect my own data to add to my research database, I started planning what data I needed to collect and came up with this list:

Required Data I need (from each person):

- Name of Independent Store/Establishment
- Establishment Address *(to get longitude+latitude for map visualisation*)

- The Item/Service for sale *(i.e Chicken, Haircut, Menu Item, Eggs, Printing Cost, etc...)*

- Original Price of item/service sold *(past)*
- Original Date *(DD/MM/YYYY)*

- Current Price of item/service *(to calculate % increase)*
- Current Date *(DD/MM/YYYY)*

[2] Further Data Processessing & Manipulation

I then needed to take the users data and calculate % Increase of items/services using the inbuilt maths functions in excel.

[3] Ethics + Acknowledging Potential Bias in Data Collection

In undertaking a data collection and visualisation project on the cost of living crisis in the UK, it is crucial to address the ethical implications and acknowledge potential biases inherent in the process.

I know that I have a point to prove with the data I'm collecting, however I can't let that blind me with producing accurate data that is a true representation of the situation.

Ethics

Ethical considerations must extend to the individuals whose data is being collected, ensuring privacy and informed consent. By actively adhering to ethical principles throughout the data collection and visualisation process, the project can provide a more comprehensive and objective understanding of the cost of living crisis, and foster a greater level of trust and credibility among its audience. I did not collect user's email adresses.

Adjusting for Inflation?

It came across to me that I should maybe subtract the rate of inflation from the percentage increase to possibly get a more accurate representation on prices of goods increasing.

However I decided not to as the inflation is part of the cost of living crisis - and I believe that leaving it in will more objectively translate the effects of the cost of living crisis.

Going Forward

[1] Data Collection (in-person):

I then got started on collecting data from CCI students wandering around the 5th floor, the feedback I recieved on what I'm doing was positive which is nice.

I got unique data ftom 17 different people

[2] First draft of data in excel:

No.	Item Input	Establishment/Store	City/Town	Address	Postcode	Longitude	Latitude	Item/Service	Original Date (DD/MM/YYYY)	Year (DD/YYYY)	Price (DD/£)	Date (DD/MM/YYYY)	Year (Current YYYY)	Price (Current)	% Increase
1	George Symonds	Perfect Fried Chicken	London	287 Hornsey Rd, London N19 4HN	N19 4HN	51.5434872	-0.1185102	4 Wings & Chips	01/11/2021	2021	2	04/04/2023	2023	2.5	25
2	George Symonds	Patty Island	London	40 Camberwell Church St, London SE5 8QZ	SE5 8QZ	51.4738033	-0.0895106	1 Patty	19/10/2022	2022	1	05/04/2023	2023	1.5	50
3	George Symonds	Fa's Chicken and Indian Takeaway	London	245 Seven Sisters Rd, Finsbury Park, London N4 2DB	N4 2DB			4 Wings &Chips	01/12/2021	2021	2	05/04/2023	2023	4	100
4	Dennis Lucas	Big I	Arvin					Chip Butte	05/07/2020	2020	3.99	28/11/2021	2022	4.99	25.062657
5	Dennis Lucas	Food + Wine Shop	London	Westbury				12 Eggs	04/01/2023	2023	4.99	05/05/2023	2023	5.99	20.04008
6		Wakey Wakey	London	New Cross Road, London	SE14 6AS			Katsu Burger	22/08/2022	2022	8.95	01/04/2023	2023	12.95	44.692737
7	Laura Thompson	Holloway Food Store	London		N19 4EF			Laundry Tablets	05/11/2022	2022	3	05/04/2023	2023	5.5	83.333333
8	Hadi Rashid	Thorn Mylne	Warrington		WA4 6LZ			Sweet Mix Bag	04/09/2022	2022	0.5	06/04/2023	2023	2	300
9	Hadi Rashid	Davis Market	London	Walthamstow, boundary road	E17			Pringles	11/10/2021	2021	1.99	05/04/2023	2023	2.99	50.251256
10	Kawesh Simpkins	Bona Bourbough	London	21 Dartmouth Road	SE23 3HN			Pizza Dip	16/01/2023	2023	1	11/05/2023	2023	1.5	50
11	Arturo Pelloni	Lebanese Grill	London	173 New Kent Rd, London SE1 4AG	SE1 4AG			1/2 Boneless Chicken, salad &	01/04/2021	2021	5.99	01/04/2023	2023	8.99	50.083472
12	Nina Wang	Panagius Printing FRS Ltd	London	13 Swan Yard, London N1 1SD	N1 1SD			Publication printing	08/20/2019	2019	3	05/04/2023	2023	8.99	79.8
13	dafa sotoos	St James Supermarket London	London		SE16 3DR			Yogurt	01/05/2021	2021	2	06/04/2023	2023	2.8	40
14	Inaki Ramirez	Lebanese Falafel n Grill	London		SE16 2AR			Chicken Shwarma	01/04/2022	2022	5	07/04/2023	2023	6.5	30

[3] Data Quality & Iteration:

I got back good data, with values that show that a wide range of pencentage increases: as low as 20% up to 100%!

However I've recieved data from different timescales (change over 1 year - 11 years) therefore I needed to represent the increase more accurately.

[4] % Increase per Year

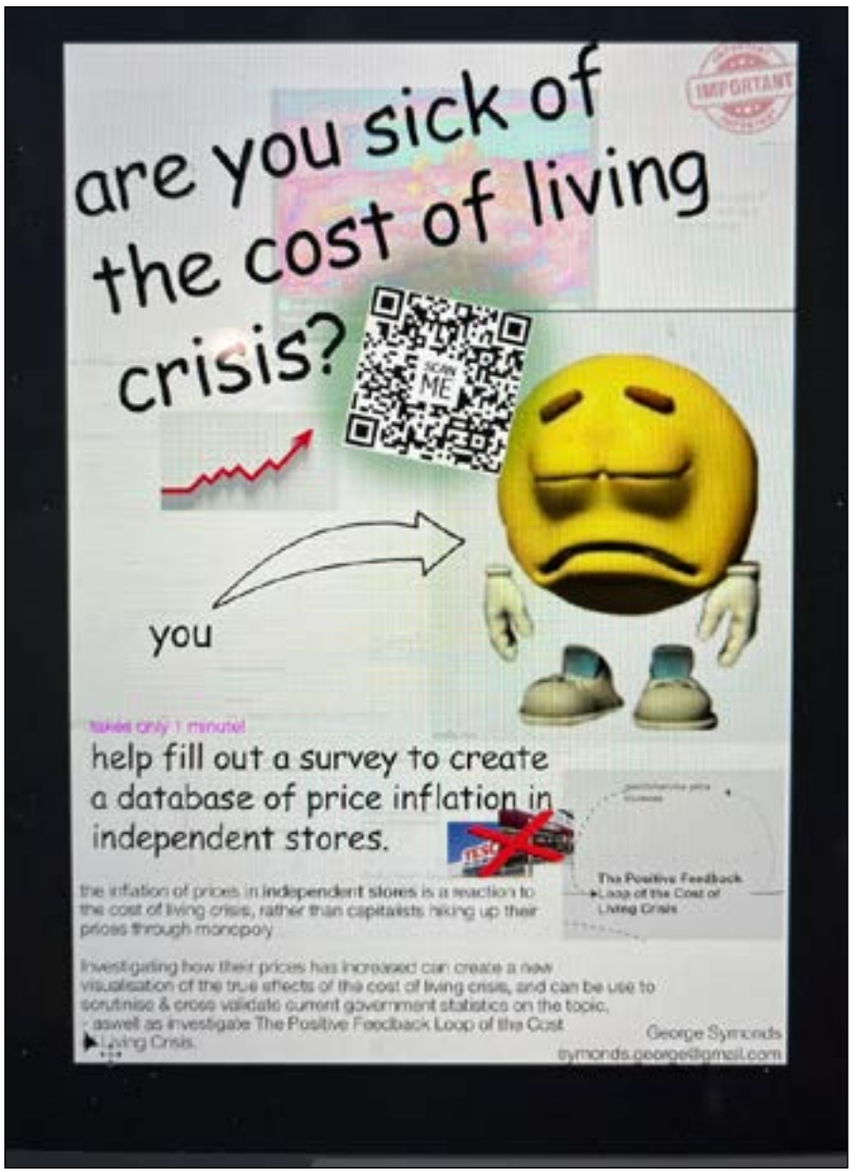
urren	% Increase	% Increase per year
2.5	25	12.5
1.5	50	50
4	100	50
4.99	25.062657	8.354218881
5.99	20.04008	20.04008
2.95	44.692737	44.69273743
5.5	83.333333	83.33333333
2	300	27.27272727
2.99	50.251256	25.12562814
1.5	50	50
8.99	50.083472	25.04173623
8.99	79.8	19.95
2.8	40	20
6.5	30	30

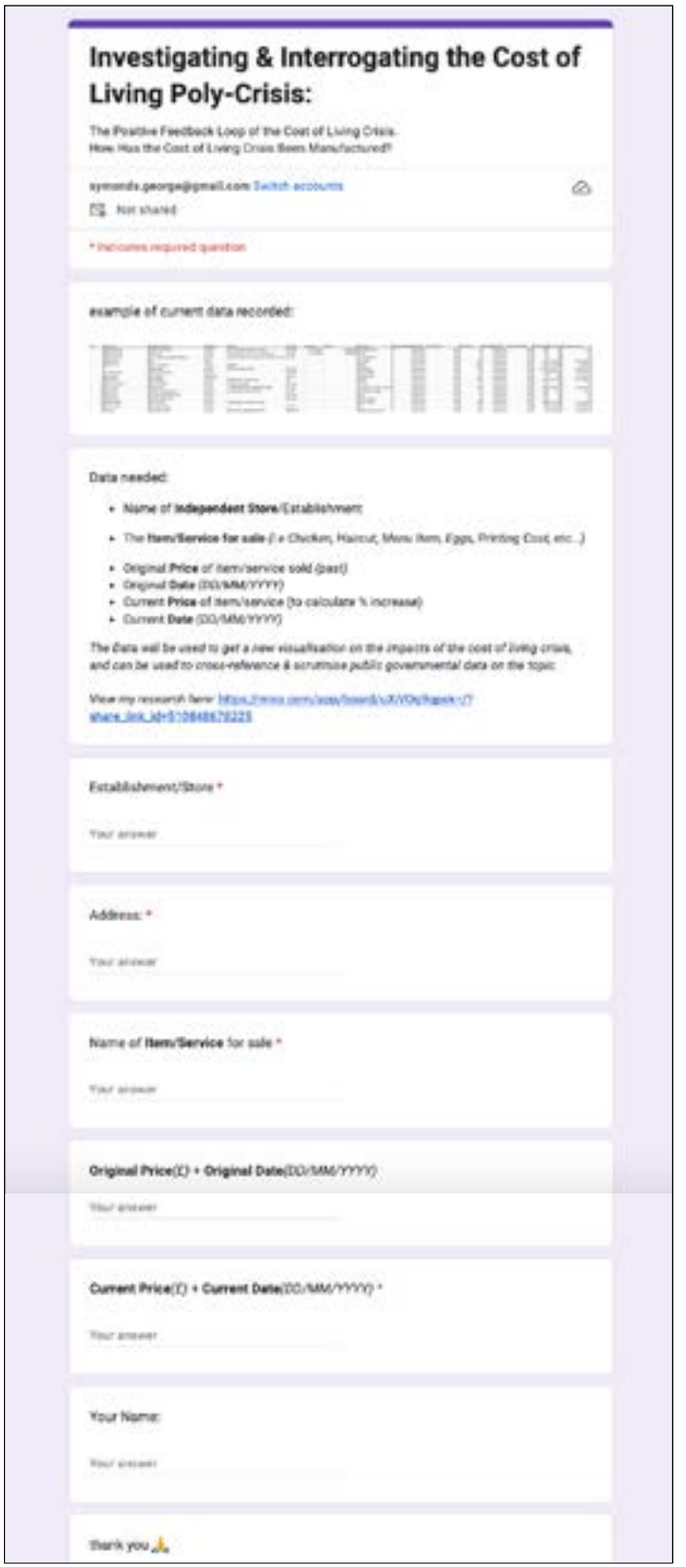
Therefore I added a new column, one that shows Percentage Increase Per Year, which is the % increase divided by years past. This created a better representation on the cost of living is going up right now rather than over time.

Going Further:

THE USER-FILLED FORM

Investigating & Interrogating the Cost of Living Poly-Crisis
made on google forms
https://forms.gle/NZzZUH6s8TTLDPYu8





[1] Remote Data Collection (Posters + Online Form):

Now that I had some data, I needed more - quicker than me going around collecting it one by one. So I needed to make a poster that links to a form document with a qr code.

[2] The Poster:

The poster needed to be eye-catching and bring in passer-bys to read it and want to help me out. Which is why I designed it to look absurd - almost meme like to make people question “why is this here?” then the question - “Are you sick of the cost of living crisis” is one that almost anyone could insantly relate to and make viewers understand that my project is self-beneficial fot them.

Once their attention has been cause, I added text and the bottom that explains what this project is about and what they need to do ->.

Sticking The Poster on Walls and on Bus-stops

The Poster In Space:

(Left) I printed the posters out and got to sticking

I placed them in visible high-traffic areas of CSM, and out in the streets in places where people would be waiting and have free time (bus-stops).

User Feedback

I watched some of the posters after sticking them on the wall, to see if it would catch people and respone I got was instant! People would stop walking, look at the wall and read it for hald a minute

Issues

Even though people would read it, I didn't catch anyone actually stop pull out their phone and help out in person :(Which was kind of dissapointing, but to be expected.

Readings From the Data

The Final Dataset:

No.	User Input	Retailer/Grocery Store	City/Town	Address	Postcode	Latitude	Longitude	Item/Service	Original Date (DD/MM/YYYY)	Year (DD/MM/YYYY)	Price (GBP £)	Date (DD/MM/YYYY)	Year (Current YYYY)	Price (Current)	% Increase	% Increase per year
1	George Symonds	Perfect Fried Chicken	London	287 Hornsey Rd, London N19 4HN	N19 4HN	51.5634872	-0.1195302	6 Wings & Chips	01/11/2021	2021	3	04/06/2023	2023	3.5	25	12.5
2	George Symonds	Patty Island	London	40 Camberwell Church St, London SE5 8QZ	SE5 8QZ	51.4738033	-0.0899506	1 Patty	15/10/2022	2022	1	05/06/2023	2023	1.5	50	50
3	George Symonds	Ria's Chicken and Indian Takeaway	London	265 Seven Sisters Rd, Finsbury Park, London N4 2DE	N4 2DE	51.56468	-0.10491	6 Wings &Chips	03/12/2021	2021	2	05/06/2023	2023	4	100	50
4	Stanley Lucas	Big J	Jersey					Chip Butty	05/07/2020	2020	3.99	28/12/2022	2023	4.99	25.06266	8.354218881
5	Stanley Lucas	Food + Wine Shop	London	54 Westlore Road, Millwall, LONDON, E14 8LW		51.49084	-0.02007	32 Eggs	04/01/2023	2023	4.99	05/06/2023	2023	5.99	20.04008	20.04008
6	Ellie	Wakey Wakey	London	New Cross Road, London	SE14 6AS	51.47181	-0.03625	Katsu Burger	23/08/2022	2022	8.95	01/06/2023	2023	12.95	44.69274	44.69273743
7	Louie Thompson	Holloway Food Store	London	535 Holloway Rd, Archway, London N19 4BT,	N19 4BT	51.56319	-0.12103	Laundry tables	05/11/2022	2022	3	05/06/2023	2023	5.5	83.33333	83.33333333
8	Hadi Rashid	Thorn Marine	Warrington		WA4 6LE			Sweet Mix Bag	04/09/2012	2012	0.5	06/06/2023	2023	2	300	27.27272727
9	Hadi Rashid	Deniz Market	London	Walthamstow, boundary road	E17	51.57604	-0.01829	Pringles	11/10/2021	2021	1.99	05/06/2023	2023	2.99	50.25126	25.12561814
10	Kourosh Simpkins	Anna Soumbagh	London	25 Dartmouth Road	SE23 3HN	51.44623	-0.05414	Pizza Dip	15/01/2023	2023	1	12/05/2023	2023	1.5	50	50
11	Arturs Polkin	Lebanese Grill	London	173 New Kent Rd, London SE1 4AG	SE1 4AG	51.49442	-0.09008	1/2 boneless Chicken, salad &	01/04/2021	2021	5.99	01/06/2023	2023	8.99	50.08347	25.04173623
12	Hoyo Wong	Panopus Printing PRS Ltd	London	13 Swan Yard, London N1 1SD	N1 1SD	51.54513	-0.10385	Publication printing	03/29/2019	2019	5	05/06/2023	2023	8.99	79.8	18.95
13	Daria Lotova	St James Supermarket london	London	191 Southwark Park Rd., London SE16 3TX, United K	SE16 3DX	51.49454	-0.05762	Yogurt	01/09/2021	2021	2	06/06/2023	2023	2.8	40	20
14	Ivan Ramirez	Lebanese Falafel n Grill	London	183 Rotherhithe New Rd, London SE16 2BE, L	SE16 2BE	51.49074	-0.05329	Chicken Shwarma	01/04/2022	2022	5	07/06/2023	2023	6.5	30	30
15	sophie glendar	Hass Hair Salon	London	3 Rawry Street, shoreditch, London EC2A 4QJ		51.52468	-0.082	haircut + bleach	05/06/2022	2022	300	05/06/2023	2023	400	33.33333	33.33333333
16	Amata Jenkins	Sonic Supermarket	London	55 New N Rd, London N16 6JB, United Kingdor	N1 6PB	51.53854	-0.09204	Gum	01/08/2022	2022	60	06/06/2023	2023	85	41.66667	41.66666667
17	Kana Jain	Naga Head Pokhara	London	231 Rye Ln, London SE15 4TP	SE15 4TP	51.46776	-0.06084	Double soumalyer cote	01/10/2022	2022	4.3	07/06/2023	2023	6	33.33333	33.33333333
18	Ila Rasool	Le Pain Quotidien	London	72-75 Marylebone High St, London	W1U 5JW	51.52123	-0.15213	Croque Monsieur	13/03/2023	2023	13.5	06/06/2023	2023	14.5	7.407407	7.407407
19	Aura Arif	Laura Nails	London	34 Crouch Hill, Finsbury Park	N4 4AU	51.5798	-0.11549	acrylic nails	01/07/2022	2022	25	06/06/2023	2023	40	60	60
20	Aggie	Ugly dumpling	London	1 Newburgh St, Carnaby, London W1F 7RB, United K	W1F 7RB	51.51364	-0.13863	6 dumplings	09/06/2022	2022	6.5	06/06/2023	2023	7	7.692308	7.692307692
21	Kim	W&S Mini Market	London	19 The Broadway, High Rd, London N22 6DS	N22 6DS	51.60689	-0.11335	Coriander	01/09/2021	2021	0.7	06/06/2023	2023	1.2	71.42857	35.71428571
22	Irene Liakhovenko	Mac Cosmetics	London	27 James St London WC2E 8PA England	WC2E 8PA	51.5126	-0.12373	Ruby Woo retro matte lipst	30/11/2021	2021	17.5	06/06/2023	2023	20	14.28571	7.142857143

Here's the final set of data I received! (as of 7/6/2023), I got results back from 22 individuals.

Concerns With Data:

While Formatting my data, I came across an important realisation. Although the data shows the increase in prices for certain goods and services, that in itself is not a true representation of the increase in cost of living, as some some in the data more essential than others.

I feel though this data still has a lot of value (as neither is the government data), as it sheds new light on the positive feedback loop of the cost of living crises. It's just important to address my concerns in data when creating a dataset.

Visualising the Data + Comparing it to Government Data:

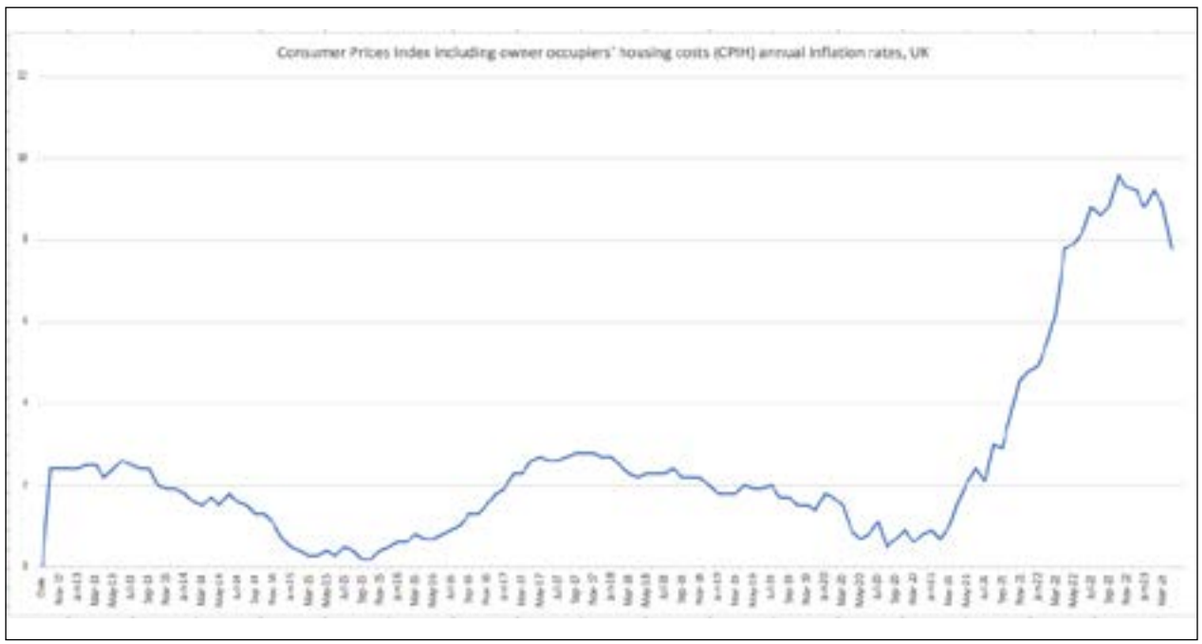
Progression:

I found a dataset by the ONS, on the increase in inflation and prices.

I used this data as the UK Parliment uses it to research the Rising cost of living in the UK.

https://www.ons.gov.uk/economy/inflationandpriceindices/articles/costofliving/latestinsights

I visualised their data on the annual inflation rates of the CPI in excel:



(Above) The CPI, or Consumer Prices Index including Owner Occupiers' Housing Costs, is a measure of inflation used and by the UK government, and regulated by the Office for National Statistics. It aims to capture the overall price changes of a basket of goods and services, including housing costs for owner-occupiers. The calculation of CPIH involves several steps:

Establishing a representative "basket" of goods and services: The UK Office for National Statistics (ONS) selects a diverse range of products and services that represent the spending habits of the average household. This includes items like food, clothing, transport, housing, and leisure activities. **Collecting price data:** for the selected goods and services on a regular basis. **Weighting the items:** Each item in the basket is assigned a "weight" based on its relative importance in spending. based of a survey in consumer spending patterns. **Calculating price changes:** they compare the current prices of the items in the basket to their prices in a reference period (usually a specific year). The percentage change in prices is calculated for each item. **Aggregating the price changes:** The individual price changes are combined using the assigned weights to calculate an overall inflation rate.

Mapping my data against government data

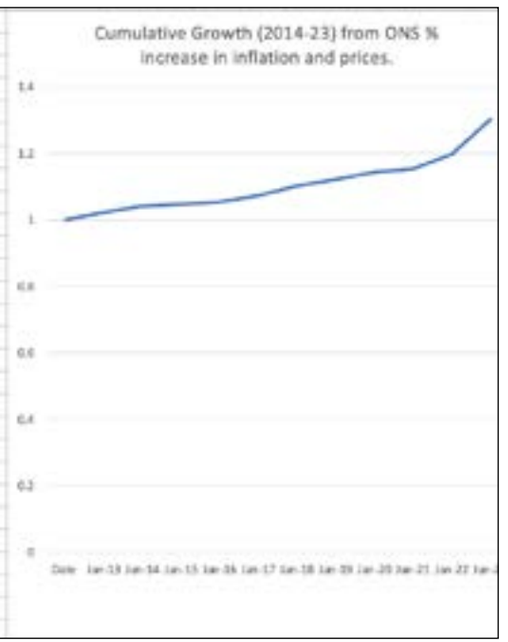
How I Could Develop My Dataset Further

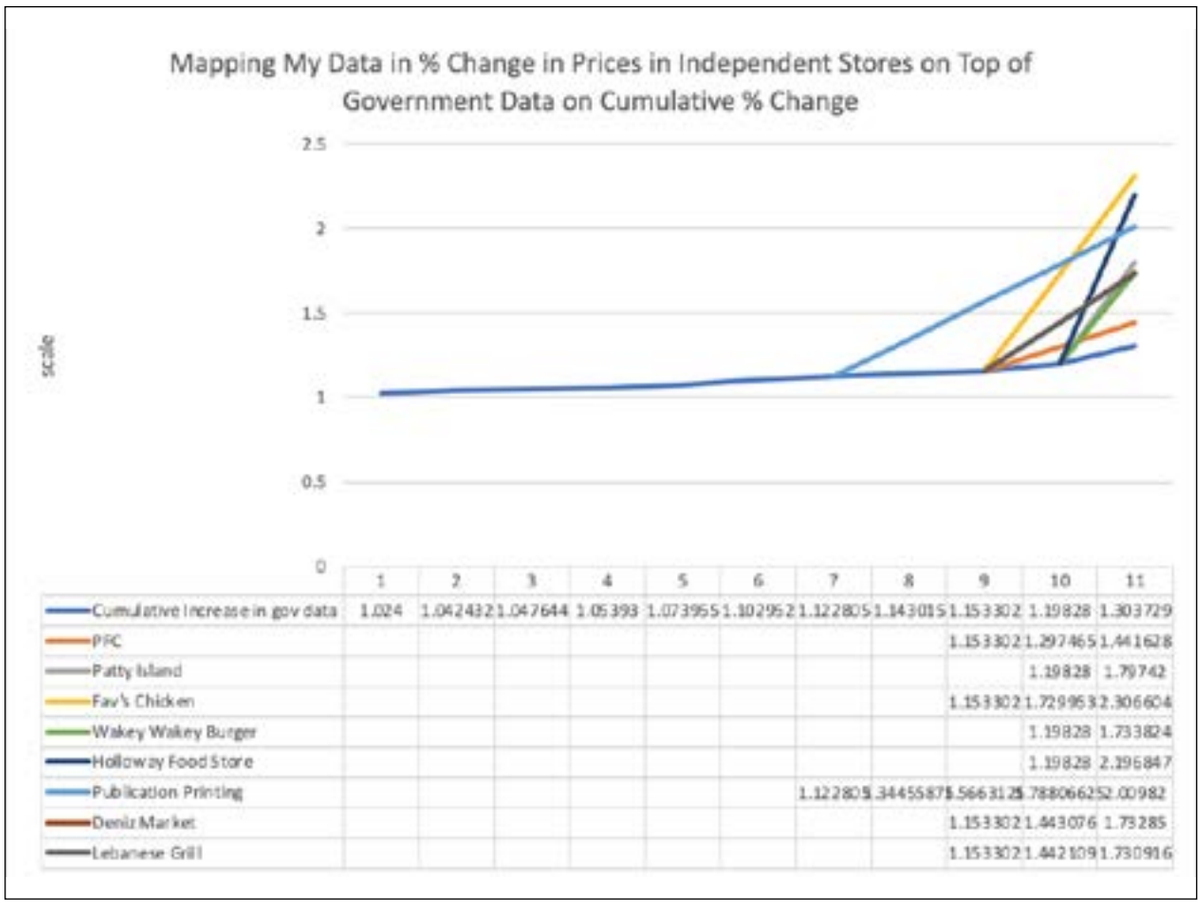
I converted the percentage% change data in the government data to cumulative increase ***(Below)*** data (assuming jan-2013 is 1), which paints a very different picture of exponential growth.

$$\%\ \text{increase} = 100 \times \frac{(\text{final} - \text{initial})}{|\text{initial}|}$$

From there I mapped my percentage% increases in independent stores on top of the government data ***(Right)***. I used their data as a starting point for the first recorded year), and forked off with my %+.

	CPIH	1
Jan-13	2.4	1.024
Jan-14	1.8	1.042432
Jan-15	0.5	1.047644
Jan-16	0.6	1.05393
Jan-17	1.9	1.073955
Jan-18	2.7	1.102952
Jan-19	1.8	1.122805
Jan-20	1.8	1.143015
Jan-21	0.9	1.153302
Jan-22	4.9	1.19828
Jan-23	8.8	1.303729



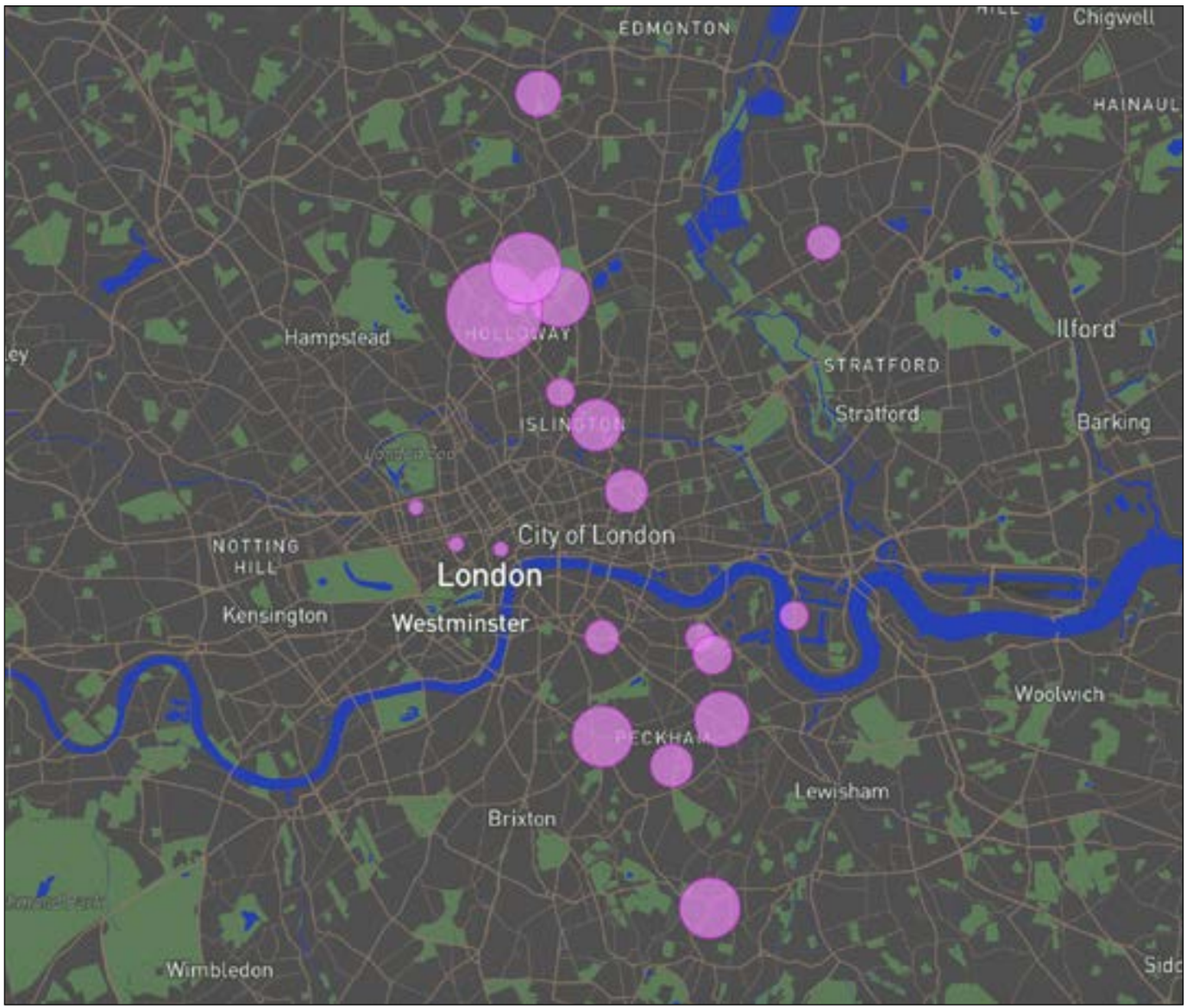


	1	2	3	4	5	6	7	8	9	10	11
Cumulative Increase in gov data	1.024	1.042432	1.047644	1.05393	1.073955	1.102952	1.122805	1.143015	1.153302	1.19828	1.303729
PFC									1.153302	1.297465	1.441628
Patty Island										1.19828	1.79742
Fav's Chicken									1.153302	1.729953	2.306604
Wakey Wakey Burger										1.19828	1.733824
Holloway Food Store										1.19828	2.396847
Publication Printing							1.122805	1.344558	1.566312	1.788066	2.00982
Deniz Market									1.153302	1.443076	1.79285
Lebanese Grill									1.153302	1.442109	1.730916

As you can see the results were that the prices in independent stores have increased on a scale larger than what the government data has proposed the Increase of prices to be.

SMILEYBEANIE
Tutorial Guidebook

Interactive 2D Visualisation of My Data:



Establishmer	Item/Service	Latitude	Longitude	% Increase p
Perfect Fried	4 Wings & C	51.563487	-0.11853	12.5
Patty Island	1 Patty	51.473803	-0.089951	50
Fav's Chicke	6 Wings &Cl	51.56488	-0.10431	50
Food + Wine	32 Eggs	51.49884	-0.02607	20.04008
Wakey Wake	Katsu Burge	51.47741	-0.05025	44.692737
Holloway Fo	Laundry Tab	51.56219	-0.12603	83.333333
Deniz Marke	Pringles	51.57604	-0.01629	25.125628
Bona Sourdo	Pizza Dip	51.43823	-0.05414	50
Lebanese Gr	1/2 boneless	51.49442	-0.09008	25.041736
Panopus Pri	Publication p	51.54513	-0.10385	19.95
St James Sup	Yogurt	51.49434	-0.05762	20
Lebanese Fa	Chicken Shw	51.49074	-0.05329	30
Haco Hair Sa	haircut + ble	51.52468	-0.082	33.333333
Zeyno Super	Gum	51.53834	-0.09204	41.666667
Nags Head P	Double cour	51.46776	-0.06684	33.333333
Le Pain Quot	Croque Mon	51.52123	-0.15213	7.407407
Laura Nails	acrylic nai	51.5708	-0.11549	60
Ugly dumg	6 dumplings	51.51364	-0.13863	7.6923077
Y&S- Mini M	Coriander	51.60689	-0.11135	35.714286
Mac Cosn	Ruby Woc	51.5126	-0.12373	7.1428571

Here I've mapped the data I've recorded onto a map (using mapbox). To visually show the rate of increase between different regions of London.

It seems like prices have increased at a larger rate at the outskirts of London compared to central. However I do not have enough data points to conclude any patterns, this probably happened for many reasons such as the stores selling different things instead of a correlation. I need more data to get anything useful out of this, but it's still interesting.

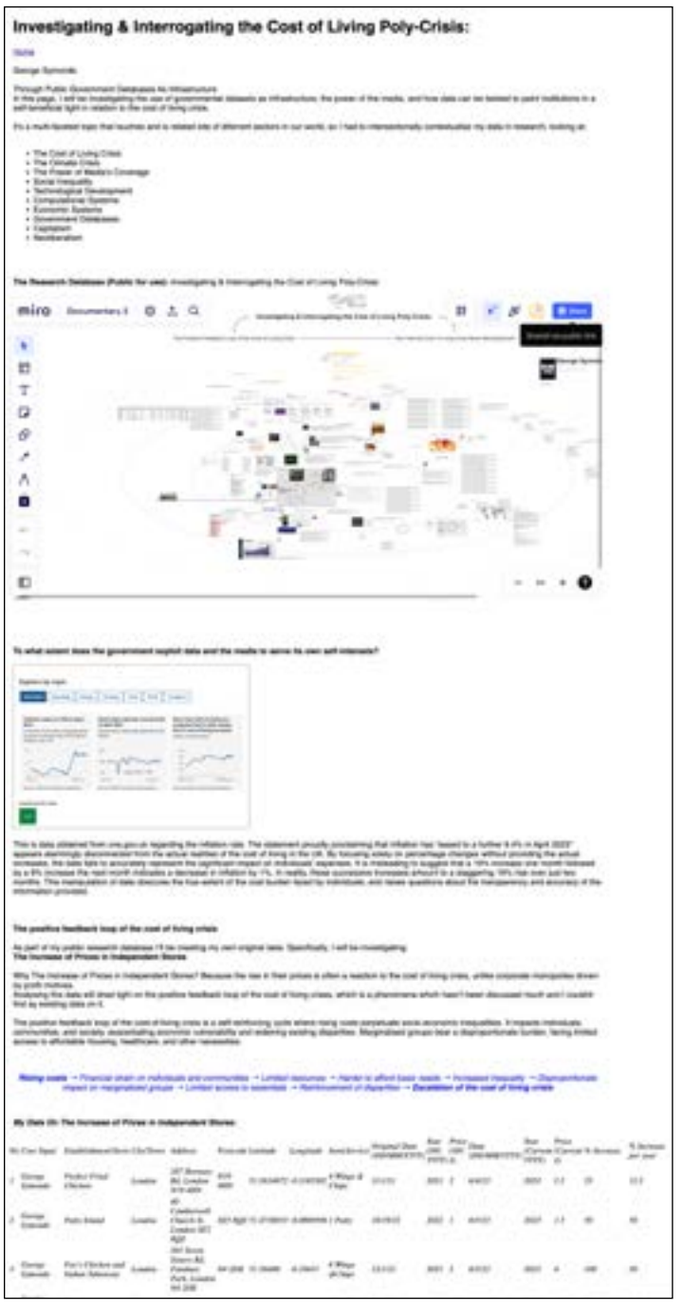
Presentation:

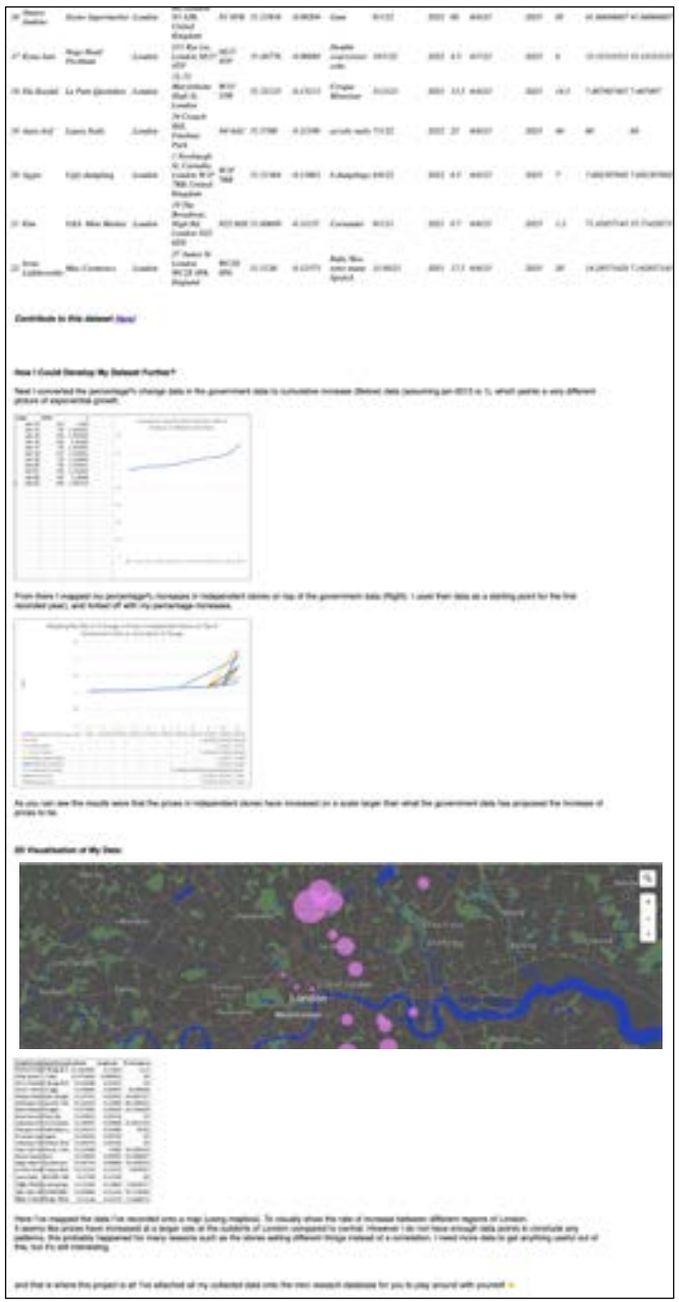
Webpage:

It's important the research and data I've created is accessible to everyone, open, and transparent.

So I've made a webpage on my website dedicated for all of the work I've done, that guides users thorugh my process from beginning to end, on what I've done and why I've done it.

Here:
https://gsymonds1.github.io/pages/CI/index.html





FINAL WEBPAGE
Investigating & Interrogating the Cost of Living Poly-Crisis:
2023

Evaluation + Reflection:

The Present:

In this critical reflection, I will explore my critical infrastructures project, examining what I achieved, how I reacted to challenges along the way, and propose ideas for future developments.

I am happy with what I have accomplished, aswell as achieving almost everything I wanted to do in my aims. This project has allowed me to learn a wide range of new skills in data collection, recording, and visualisation. Data is a really interesting media of art, and now I've got this proejct to inspire my future ones it's looking good.

At the beginning of project I'd find myself fustrated with sifting through loads of data, trying to find the theme of my project, but I'm happy with what I went with (I almost decided I'd goto every park in london to record the quality and quantity of them)

maths
- calculating cumulative increase from percentage increase was complicated, but I overcame it by using online calculators to calculate what it was one by one.

[2] Challenges Faced: The Map Visualisation

Although it looks cool on the webpage and is interactive, I did not have enough data for this visualisation to result in any interesting conclusions. Which is a shame, I didn't get as many responses from creating the online forms as I wished. But this map is easy to update so I aim to contine collecting data.

Future Project proposals

Next Steps and Future Developments:

2 Months from now I want to go back to all these recoded places, two get a second reading of prices to see if they've gone up or have stayed the same. This would enrich my data and give me new opportunities of ways I could visulise it.

I also will continuing updating my research database - sharing it and making it public. Next year for my final year at uni I will be using it to piece together a video documentary on the cost of living crisis - which I've been working on for a long time.