About/Diary
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SPACE is a data story on the analysis of population growth in Singapore, against a backdrop of scarcity – with limited land, housing and jobs. It aims to answer the questions: How feasible is it to expect to own a house in Singapore? Can Singapore continue to accommodate the growth rate of its population? Will there be any space left for us, new adults?

Storyboard

Background	Problem Statement	Data
Why are you doing this project? As one of the smallest countries in the world, I have always wondered how Singapore has the space to accommodate 5.97 million people. It is the third densest nation in the world, which makes us wonder why we don't face the extreme effects of overpopulation.	**What will your final project solve?** How feasible is it to own a house in Singapore? Can Singapore continue to accommodate the growth rate of its population?	**What data will you use?** Population data, births and death rates, marriage rates, housing data, statistics of foreign workers moving to Singapore, availability of jobs in the market
Findings	Analysis	Recommendation
TBC	TBC	**For future research?** TBC

Questions

What is your project about? My project is a data story about the analysis of *space* in Singapore.

What is the data you plan to use? I plan to use yearly population data, birth and death rates, statistics of foreigners moving to Singapore each year, to provide reasonable estimates of the number of people in Singapore. Thereafter, I will use marriage rates, housing data, and availability of jobs in the market to make thoughtful analysis and predictions about the *space* in Singapore.

What is the question you plan to answer? Whether Singapore can continue to accommodate the growth rate of its population in years to come, and whether it is feasible for new adults to own a house and find their own *space* in Singapore. How much *space* is there truly left for us?

Why is this an important question? As an undergraduate, I often wonder whether I can find my own place in Singapore, especially with the high competition for jobs, housing and more. Therefore, I believe that my generation has the same concern about whether we can all find our own *space* in Singapore.

Which rows and columns of the dataset do you plan to use, to answer this question? I plan to use the most recent available data from 2000 – 2022. I acknowledge that there will be anomalies in my dataset between 2020 and 2021 due to the impact of the Covid-19 pandemic which left a significant effect on the general trends seen.

Concepts & Challenges

encountered while making the data story.
(diary entry; documentation of coding)

Used CSS styling to create the general look of my page	(see ../css/appstyle.css)
Created variables for my functions	(main.js:5)
Used JS functions to make a sticky navigation bar, with the 'if...else...' statement	(main.js:12)
Created buttons for users to toggle intuitively	(index.html:50)
Used DOM, and "getElementById", and event listeners to change the graph shown when button is clicked	(main.js:21-41)
Used <div> tag to separate content and organize it	(see index.html)
Used tag to create a list for my navigation bar	(index.html:22)
Used <img src> to embed images and charts into my page	(index.html:38,54)
Used different <h1> and <h2> tags to organize the header titles on my page	(see index.html)
Created classes for different components on my page and gave them special attributes in CSS. For e.g. mouse hover on navigation bar will make words pop bigger	(appstyle.css:68,83)
Challenge faced: sticky nav bar disappears behind header image	

References

Credits