Final Project Proposal and Storyboard

Background: The data story will document Singapore's transformation over the years, in particular the languages that appear on this island.

Analysis: Changes of the languages used will reflect the demographic change in Singapore

Recommendation: Line graphs will be made using chartjs to record the changes of each language used in Singapore.

Data:

<https://eresources.nlb.gov.sg/infopedia/articles/SIP_2016-09-01_093402.html> Bilingual policy

<https://www.channelnewsasia.com/singapore/census-2020-more-households-speaking-english-1966731> Census 2020

Saving Chinese-language education in Singapore. Current Issues in Language Planning, 13(4), 285-304.

Tan, Y. (2014). English as a 'mother tongue' in Singapore. World Englishes, 33:3, 319-339.

<https://www.channelnewsasia.com/singapore/chinese-dialects-teochew-hokkien-cantonese-singapore-infocus-3144121> Chinese dialects risk of dying out

<https://eresources.nlb.gov.sg/infopedia/articles/SIP_2013-08-12_114422.html> Tamil community

<https://www.ntu.edu.sg/docs/librariesprovider120/lms/sample-students-work/lms_ssw_ay2014-tanlijiagloria.pdf?sfvrsn=5bb0ecab_2> Charting multilingualism in Singapore: From the nineteenth century to the present

<https://repository.nie.edu.sg/bitstream/10497/18930/1/AJSS-11-1-104.pdf> Changes in Tamil language acquisition and usage in Singapore: A case of subtractive bilingualism

Problem Statement: Find out the changes of the languages in Singapore.

Findings: The native language Bahasa Melayu, while still being used in Singapore, is not the main language here. Chinese dialects have also fallen out of favour among the Chinese community. The use of English has become more prevalent among all ethnicities.

1. What is your project about?

Languages in Singapore

1. What is the data you plan to use?

[*https://www.researchgate.net/figure/Changes-in-home-language-use-over-time-in-per-cent-based-on-Wong-2010-2016-Cavallaro\_fig1\_338007099*](https://www.researchgate.net/figure/Changes-in-home-language-use-over-time-in-per-cent-based-on-Wong-2010-2016-Cavallaro_fig1_338007099)

It will describe Singapore’s change of language over the years.

1. What is the question you plan to answer?

*What are the languages that have existed in Singapore?*

1. Why is this an important question?

This question is important because it helps us understand the history of Singapore. It can also allow us to examine the demographic changes on this island. Going forward, we can study how we can better improve our language policies in Singapore.

1. Which rows and columns of the dataset do you plan to use, to answer this question?

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| --- | --- | --- | --- | --- |
| Week | Concept | How I've used it | Line number | Filename |
| 2 | Intro to HTML and CSS | I have used it to edit the template I have downloaded from the internet (<https://html5up.net/>) . |  | index.html  appstyle.css |
| 3 | Variables, conditionals, and functions | I am intending to use it to create buttons on the website. |  |  |
| 4 | Functions, Objects, and the Document Object Model | I am intending to use it for my interactive map and charts. |  |  |
| 5 | Javascript, HTML, and the Document Object Model |  |  |
| 6 | Data Structures (Collections, and Arrays) and Loops |  |  |
| 7 | Chartjs | I willl use this for my charts and graphs. |  |  |
| 8 | Preparing and Visualizing Data, Meaningful Comparisons; and Questions | I will use this for my charts and graphs. |  |  |

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| --- | --- |
| Step 1: Problem  We need to find out Singapore’s languages over the years and changes over the years. | Step 2: Statement 🡪 Question  The changes in languages in Singapore - How it reflects Singapore's demographic change? |
| Step 3: Find Data  data will be found in the sites listed above | Step 4: Visualise |