Weekly Journal (Week 11)

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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/>) .  I have used it to create more “articles”, “bodies” and headings.  I had to create additional container boxes for additional content for the timeline and “status of languages in Singapore”. | index.html | index.html  appscripts  css  images |
| 3 | Variables, conditionals, and functions | I am intending to use it to create buttons on the website but intend to do so when most of my charts have appeared in my website.  The buttons on the website now are not made by me, they came along with the website.  I am also using variables to define my variables in my charts, such as ‘years’, ‘english’.  For functions, I use it to create charts, such as in “myChart”, “piechart”. | Main.js.1  Main.js.35  Index.html.16  Main.hs.61  Main.js.69  Main.js.70  Main.js.71  Main.js.72  Main.js.73  Main.js.74  Main.js.75  Main.js.27  Main.js.61  Main.js.77 | Main.js |
| 4 | Functions, Objects, and the Document Object Model | I am intending to use it for my interactive map and charts. I have also used functions for my charts. Objects also were used, like ‘labels’ all that, as an array. | Main.js.1  Main.js.27  Main.js.35  Main.js.61 | Main.js |
| 5 | Javascript, HTML, and the Document Object Model | I have used JavaScript to create my charts. I created the charts on a separate html css and appscripts initially and transferred them over. However, I met with some difficulties and asked for help in slack. Luckily, it was resolved as I just needed to add the defer line. | Index.html.16  Main.js.27  Main.hs.61  Main.js.69  Main.js.77 | Index.html  Main.js |
| 6 | Data Structures (Collections, and Arrays) and Loops | I have used arrays to input data of percentages of languages used at homes, and throughout the years. | Main.js.12  Main.js.46  Main.js.69  Main.js.70  Main.js.71  Main.js.72  Main.js.73  Main.js.74  Main.js.75 |  |
| 7 | Chartjs | I have used it to create two pie charts with regards to distribution of languages spoken at home.  I have used this to create a line graph to visually demonstrate the changes in the use of languages from 1957 to 2020. | Main.js.27  Main.js.61  Main.js.69  Main.js.77 | Main.js |
| 8 | Preparing and Visualizing Data, Meaningful Comparisons; and Questions | I will use this for my graphs, showing the changes in language use. I will see the trends of language use over the years and see if I will use line graphs to represent them. |  |  |

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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| 6 | Data Structures (Collections, and Arrays) and Loops | I have yet to look into this for my website. |  |  |
| 7 | Chartjs | I have used it to create two pie charts with regards to distribution of languages spoken at home.  I have used this to create a line graph to visually demonstrate the changes in the use of languages from 1957 to 2020. | Main.js.27  Main.js.61  Main.js.69  Main.js.77 | Main.js |
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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  Changes in home language use over time in per cent (based on Wong 2010,...  | Download Scientific Diagram |