

Week 9

Storyboard

Step 1: Problem

LGBTQ+ community faces discrimination & stigmatisation on the daily, from applying & obtaining basic necessities such as housing or even being subjected to "conversion therapy".



As a rather conservative Asian society, any "deviations" from the supposed norm is subjected to unfair treatment or harsh judgements.

Step 2: Statement - Question

Is the repeal of section 377A enough to change Singaporeans' perceptions about the LGBTQ+ community?

Step 3: Find Data

→ Existing surveys conducted by Ipsos and Institute of Policy Studies (IPS) on Singaporeans' perceptions about the LGBTQ+ community from 2013, 2018, and 2022.

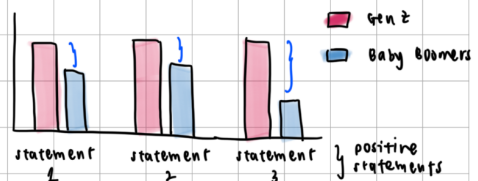
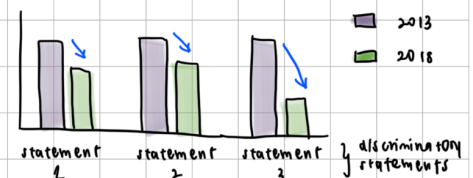
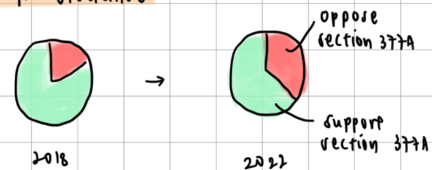
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compare how responses to similar questions have changed over the years

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split data by age group

- Gen Z
- Baby Boomers



Step 4: Visualize



Background

The LGBTQ+ community faces discrimination on the daily, and laws such as Section 377A serves to reinforce an unaccepting mindset towards the community. After the official repeal of Section 377A in 2023, it seemed that Singapore is inching towards a future with greater acceptance.

Analysis	<p>With more talk surrounding the once-taboo topic, more people are slowly getting to know more about the LGBTQ+ community and have more opportunities to interact with the community and clear their misconceptions. People are also slowly becoming more open-minded about alternative sexual orientations and gender identities as the</p> <p>The older generation may harbour more deeply-rooted judgments on the LGBTQ+ community as they grew up in a time with less acceptance and less talk regarding this issue.</p> <p>The repeal of Section 377A signals the government's stance towards greater acceptance, which would hopefully be able to influence future generations of Singaporeans to change their perceptions on the LGBTQ+ community.</p>
Recommendations	<p>The repeal of Section 377A is a small step in the right direction. While Singaporeans are definitely becoming more accepting, more can be done in terms of public policies to ensure all Singaporeans are entitled to the same rights, such as access to housing. Understandings of a nuclear family could potentially change as well, to include non-traditional family structures.</p>
Data	<p>Compare acceptance levels from 2018 to 2022¹</p> <p>Compare acceptance levels from 2013 to 2018²</p> <p>Compare acceptance levels between different age groups³</p>
Problem Statement	<p>Is the repeal of Section 377A enough to change Singaporeans' perceptions about the LGBTQ+ community?</p>
Findings	<p>There is growing acceptance of the LGBTQ+ community, as indicated by the rising opposition towards Section 377A from 2018 to 2022, as well as a fall in agreement with discriminatory statements from 2013 to 2018.</p> <p>However, there is quite a drastic difference in acceptance rates between the older generation and the younger generation.</p>

¹ *ATTITUDES TOWARDS SAME-SEX RELATIONSHIPS IN SINGAPORE* (p. 16). (2022).

https://www.ipsos.com/sites/default/files/ct/news/documents/2022-06/Ipsos%20Report_Attitudes%20towards%20same-sex%20relationships%20in%20SG_June%202022.pdf

² *S'poreans more liberal towards homosexuality compared with five years ago, IPS survey finds*. (n.d.). TODAY. Retrieved March 18, 2023, from

<https://www.todayonline.com/singapore/singaporeans-more-liberal-towards-homosexuality-ips-survey-finds>

³ McPhedran, R. (2018). *Public Support Split on Section 377A of Singapore Penal Code* (p. 7). Ipsos.

https://www.ipsos.com/sites/default/files/ct/news/documents/2018-09/singapore_public_support_split_on_337a_report_sept_2018.pdf

Week	Concept	How it was used	Line in code	Filename
2	Forms	Created a contact form for people to leave their opinions/ send a message to me	HTML: 175 – 187 CSS: 294 – 331	index.html 377appstyle.css
	Tables	Created a table to make a pride flag	HTML: 145 – 1673 CSS: 246 – 289	index.html 377appstyle.css
3	alert() setTimeout()	When the 2018 or 2022 button is clicked, a short message to explain the statistics will pop up. The alert will be delayed by 1000 milliseconds after the button is clicked. ⁴	JS: 87, 116	377main.js
4	function() {}	Created functions to assign specific image to it	JS: 3 – 9	377main.js
	getElementById()	To access various buttons in my html file	JS: 4, 8, 63, 91, 239, 249, 285	377main.js
5	Math() addEventListener("click", function() {})	When the button is clicked, the colour of the row will change. They can click until the colour matches up to make a complete pride flag.	JS: 277 – 309	377main.js
	onmouseover, onmouseout ⁵	When the user hovers the mouse on or off the pride flag at the start of the webpage, the image will change.	HTML: 17 JS: 3 – 9	index.html 377main.js
6	Arrays and objects	To access specific data in the pie chart/ bar chart and update it	JS: 65 – 81, 93 – 109	377main.js
	if statement	To create a typewriter effect for the	JS: 213 – 223	377main.js

⁴ Window setTimeout() Method. (n.d.). Retrieved March 17, 2023, from https://www.w3schools.com/jsref/met_win_settimeout.asp

⁵ Onmouseover event. (n.d.). Retrieved March 16, 2023, from https://www.w3schools.com/jsref/event_onmouseover.asp

		conclusion header. ⁶		
7	Chart.js: pie chart	Created pie charts to show how perceptions on the LGBTQ+ community in Singapore has changed from 2018 to 2022.	HTML: 67, 68 JS: 13 – 58	index.html 377main.js
	Chart.js: bar chart	Created bar charts to show how responses regarding discriminatory statements have changed from 2013 to 2018.	HTML: 83 JS: 123 – 162	index.html 377main.js
		Created bar charts to show how responses towards different statements differ based on age group (Gen Zs VS Baby Boomers)	HTML: 103 JS: 166 – 209	index.html 377main.js
	Chart.js: doughnut chart	To visualise the proportion of people who oppose or support Section 377A	HTML: 134 JS: 228 – 249	index.html 377main.js
	Chart.js: update()	When the year (2018/2022) button is clicked, it will trigger the function to change the view of the pie chart which shows how perceptions regarding Section 377A/ the LGBTQ+ community in Singapore have changed. ⁷	HTML: 72, 73 JS: 63 – 118	index.html 377main.js
		Live polling to track how many people vote for support or oppose. ⁸	HTML: 139, 140 JS: 254 – 272	index.html 377main.js
8	Data cleaning	Extracted relevant data from reports done by Ipsos and Institute of Policy Studies and rescaled them to 100%	JS: 19, 44, 130, 137, 177, 184	377main.js

⁶ How to create a typing effect. (n.d.). Retrieved March 18, 2023, from https://www.w3schools.com/howto/howto_js_typewriter.asp

⁷ Husby, S. (2014, August 15). Answer to “Dynamically update values of a chartjs chart.” Stack Overflow. <https://stackoverflow.com/a/25334855>

⁸ Polling chart chart js. (n.d.). Retrieved March 16, 2023, from <https://www.youtube.com/watch?v=pfosFsp6Vzc>