One Sentence:

* “Using the best survey in the country, the GSS, see which issues America has changed the most on given a time period and segment of the country.”
* “See which issues America has moved the most on – using the GSS.”

|  |
| --- |
|  |
| **Question** | **Answer** | **2000 Percentage** | **2022 Percentage** | **2022-2000 Delta** |
| GRASS | 1 | 33.5% | 70.2% | 36.6% |
| HOMOSEX | 4 | 28.8% | 61.2% | 32.4% |
| DIVLAW | 1 | 25.1% | 53.7% | 28.7% |
| PREMARSX | 4 | 41.8% | 69.1% |  |

Note:

* Some questions are only asked on certain years, e.g. HAPUNHAP (02, 08, 18, 22) – “happy with life?”
* Question year pairings under 850 positive responses, and some questions did not have enough respondents to show in a given year e.g. GRASS (2004) – should marijuana be legal.

Pre Notes:

* See which questions the American public has shifted most given the adjustable
* GSS Data Table: Sorted by questions America has shifted the most on given the adjustable parameters below

Shor email: “Just want to help Democracy’s survival.”

Code Process:

1. Df 🡪 each row is survey, columns are questions or stuff about individual
   1. Use YearQuestion Pairings
   2. Fix Age, Degree, Partyid fix
   3. Get new dataframe, proud of, put in database
2. Melted table 🡪 Each row has YEAR, none or param, Question, Answer, %, (Total Answers)
   1. Modify melted, e.g. 1000 answers
   2. Include params of interest
   3. Should have 16 melted params (1 generic, 15 params based)
   4. May not want Total Answers to show
   5. When click param, another button automatically should pop up and one is already selected
3. Final table 🡪
   1. Given options, spits out what want

**Fonts**

* **General Text and Headers**: The font family used throughout the website, including the table, is **'Arial', sans-serif**.

**Font Sizes**

* **Dropdowns, Input, and General Text**: There's no specific font size set in the CSS, which means it defaults to the browser's standard, which is usually around 16 pixels for body text.
* **Table Data and Headers**: Again, there's no explicit size set, so it defaults to the browser's standard.

**Colors**

* **Background Colors**:
  + **Page Background**: **#f4f4f9** (a very light gray)
  + **Table Odd Rows**: **rgba(0, 0, 0, 0.05)** (very light gray for alternating rows in the table)
  + **Table Hover**: **rgba(220, 220, 220, 0.8)** (light gray when hovering over a row)
  + **Table Headers**: **white**
* **Text Colors**:
  + **Main Heading (h1)**: **#333** (dark gray)
  + **General Text and Table Data**: There's no specific color set, so it defaults to the browser's standard black.

**Borders and Styling**

* **Table Borders**: **1px solid #dee2e6** (a light gray border around the table and cells)
* **Input Borders**: **1px solid #ccc** (light gray border around inputs)

This setup from the Dash application uses Bootstrap themes, which could also influence other stylings like button colors, margins, or paddings that aren't explicitly overridden in your custom CSS.

**Why**: PDF, Rstudio send. Less is more. Then in couple weeks, can hit him with powerpoint/ github repo. But I also believe honestly, that the world should have something like this. Like should be easily searchable, which issues have shifted most among the country, or among specific parts of the country.

**Shor email:** With email, hey created this thing I think is interesting. Anyone doing boring grunt work I could do for them? Anyway can volunteer? Or is there a textbook I could study, and if mastered, can have just a shot to volunteer? Think can bring lot of value.

Goal: Get ordered list of which surveyed topics have shifted the most since 2000 – 2022, and 2010 – 2022. Ideally can get them in a format that is ordered. Get all data points where saw minimum of X movement in last 20 years. Inspired by [abortion tweet](https://twitter.com/davidshor/status/1773133260119273945).

|  |  |  |  |
| --- | --- | --- | --- |
| Question | Answer | Delta 2000 to 2022 (%) | Delta 2010 to 2022 (%) |
| … | … | … | … |
| … | … | … | … |

Or just given two years (eg 2000, 2022) gets three columns.

**First need:**

|  |  |  |  |
| --- | --- | --- | --- |
| Question | Answer | Year | % of answers |
|  |  |  |  |
|  |  |  |  |

1. Determine all the unique question, answer, year pairings
2. Determine how many times each question, answer, year combination appears
3. Determine how many times each question, year combination appears
4. Divide 3) / 2), place value in row 1) with the unique question, answer, year
5. Create table with all pairings given dataframe

OR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Question | Attribute (Politics, age, etc…) | Answer | Year | % of answers |
|  |  |  |  |  |
|  |  |  |  |  |

Maybe

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Question | Attribute (Politics, age, etc…) | Answer | Delta 2000 to 2022 (%) | Delta 2010 to 2022 (%) |
| … | … | … | … | … |
| … | … | … | … | … |

GSS axis can break down: age, degree, health, politics, race, sex

Dimensions (72390, 6691)

Get following, for each question and year:

* Breakdown in responses, bunch of tables. Rows are answers, years are question
* Then can query each table for an answer,