* a list of data sources if you will get data from an external source, including information on how your are going to filter and transform the data for your project
* a diagram with an overview of the technical components of your app (visualizations, scraper etc etc)
* as well as descriptions of each of the components and what you need to implement these
* a list of APIs or D3 plugins that you will be using to provide functionality in your app

Ik wil het verband tussen een politiek systeem en het opkomstpercentage onderzoeken. De gegevens die noodzakelijk zijn voor de creatie van een kaart is het gemiddelde opkomstpercentage voor nationale verkiezingen per land. Als gemiddelde opkomstpercentage per land nemen we alle nationale verkiezingen mee waar gegevens bekend van zijn. De data is te vinden op de volgende website: <https://www.idea.int/data-tools/continent-view/Europe/40>. Deze data moet in python omgezet worden van een CSV naar een JSON bestand.

In bovengenoemde data is ook het Freedom House per land weergegeven. Het Freedom House geeft aan in hoeverre een land democratische vrijheden heeft. Het gemiddelde van alle gemeten data over de afgelopen jaren wordt hiervoor meegenomen. Ik zal een scatterplot maken om te zien in hoeverre er een verband is tussen de vrijheden in een land en het opkomstpercentage. Hier wordt een dropdown menu geplaatst waar je kan kiezen om de verschillende politieke systemen mee te nemen

De data die ik gebruik voor de verdeling van een politiek systeem is:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| State | Government | Self-Government | RepublicvsMonarchy | System |
| [United Kingdom](https://en.wikipedia.org/wiki/United_Kingdom) | parliamentary | devolved | constitutional monarchy | bicameral |
| [Sweden](https://en.wikipedia.org/wiki/Sweden) | parliamentary | unitary | constitutional monarchy | unicameral |
| [Spain](https://en.wikipedia.org/wiki/Spain) | parliamentary | devolved | constitutional monarchy | bicameral |
| [Slovenia](https://en.wikipedia.org/wiki/Slovenia) | parliamentary | unitary | Republic | bicameral |
| [Slovakia](https://en.wikipedia.org/wiki/Slovakia) | parliamentary | unitary | Republic | unicameral |
| [Romania](https://en.wikipedia.org/wiki/Romania) | semi-presidential | unitary | Republic | bicameral |
| [Portugal](https://en.wikipedia.org/wiki/Portugal) | semi-presidential | unitary | Republic | unicameral |
| [Poland](https://en.wikipedia.org/wiki/Poland) | semi-presidential | unitary | Republic | bicameral |
| [Netherlands](https://en.wikipedia.org/wiki/Netherlands) | parliamentary | federate | constitutional monarchy | bicameral |
| [Malta](https://en.wikipedia.org/wiki/Malta) | parliamentary | unitary | Republic | unicameral |
| [Luxembourg](https://en.wikipedia.org/wiki/Luxembourg) | parliamentary | unitary | constitutional monarchy | unicameral |
| [Lithuania](https://en.wikipedia.org/wiki/Lithuania) | semi-presidential | unitary | Republic | unicameral |
| [Latvia](https://en.wikipedia.org/wiki/Latvia) | parliamentary | unitary | Republic | unicameral |
| [Italy](https://en.wikipedia.org/wiki/Italy) | parliamentary | [devolved](https://en.wikipedia.org/wiki/Devolution) | Republic | bicameral |
| [Ireland](https://en.wikipedia.org/wiki/Republic_of_Ireland) | parliamentary | unitary | Republic | bicameral |
| [Hungary](https://en.wikipedia.org/wiki/Hungary) | parliamentary | unitary | Republic | unicameral |
| [Greece](https://en.wikipedia.org/wiki/Greece) | parliamentary | unitary | Republic | unicameral |
| [Germany](https://en.wikipedia.org/wiki/Germany) | parliamentary | federal | Republic | bicameral |
| [France](https://en.wikipedia.org/wiki/France) | [semi-presidential](https://en.wikipedia.org/wiki/Semi-presidential_system) | federate | Republic | bicameral |
| [Finland](https://en.wikipedia.org/wiki/Finland) | parliamentary | federate | Republic | unicameral |
| [Estonia](https://en.wikipedia.org/wiki/Estonia) | parliamentary | unitary | Republic | unicameral |
| [Denmark](https://en.wikipedia.org/wiki/Denmark) | parliamentary | [federate](https://en.wikipedia.org/wiki/Federacy) | constitutional monarchy | unicameral |
| [Czech Republic](https://en.wikipedia.org/wiki/Czech_Republic) | parliamentary | unitary | Republic | bicameral |
| [Cyprus](https://en.wikipedia.org/wiki/Cyprus) | [presidential](https://en.wikipedia.org/wiki/Presidential_system) | unitary | Republic | unicameral |
| [Croatia](https://en.wikipedia.org/wiki/Croatia) | parliamentary | unitary | Republic | unicameral |
| [Bulgaria](https://en.wikipedia.org/wiki/Bulgaria) | parliamentary | [unitary](https://en.wikipedia.org/wiki/Unitary_state) | Republic | unicameral |
| [Belgium](https://en.wikipedia.org/wiki/Belgium) | parliamentary | federal | constitutional popular monarchy | bicameral |
| [Austria](https://en.wikipedia.org/wiki/Austria) | [parliamentary](https://en.wikipedia.org/wiki/Parliamentary_system) | [federal](https://en.wikipedia.org/wiki/Federation) | [republic](https://en.wikipedia.org/wiki/Republic) | bicameral |

# Gister wilde ik een scatterplot maken maar dat is niet handig met nominale variabelen. Op de x-as zou dan bijvoorbeeld enkel republiek versus monarchie staan. Het is daarom handiger om een Sunburst Diagram te maken. De bovengenoemde gegevens zou ik via een CSV omzetten naar een JSON.