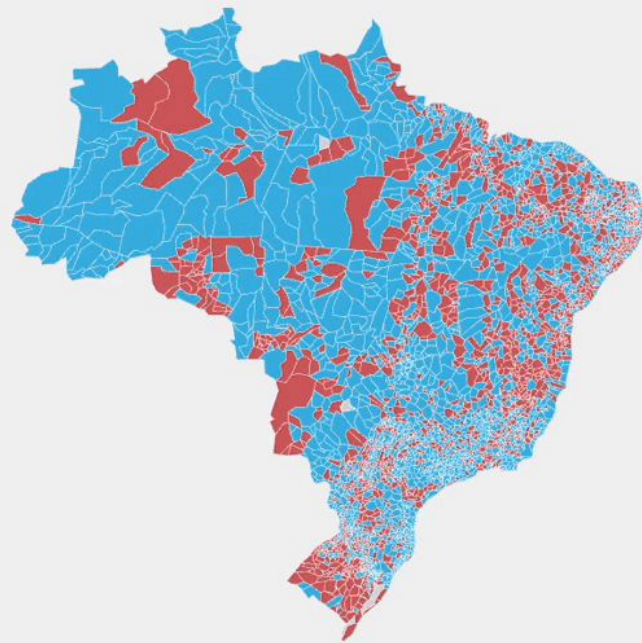

Microdados no mapa

Trabalhando com dados
georreferenciados do IBGE



Acessar apresentação:
bit.ly/mapas-ibge-coda





Quem sou eu:

Lucas Thaynan

Jornalista de dados, designer,
programador Python, desenvolvedor web,
cofundador da Agência Tatu e repórter de
dados do Estadão

lucasthaynan.github.io

Datawrapper

Alternativas:

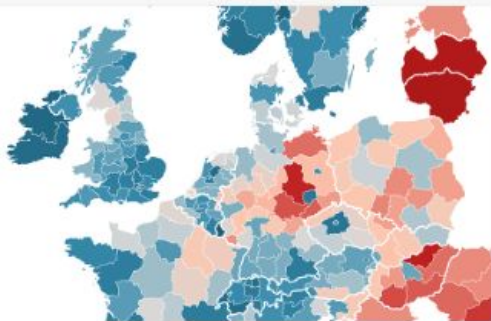
Flourish 

 **mapbox**

 **Google Maps**

Vantagens do Datawrapper:

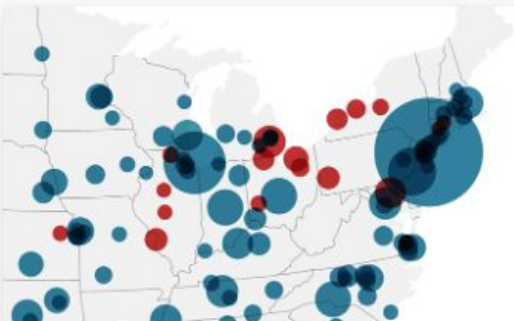
- Fácil de criar mapas úteis e bonitos;
- Permite replicar modelos rapidamente;
- Mapas responsivos;
- Vasto número de artigos/tutoriais;
- Plano gratuito generoso.



Choropleth map

Color regions to show data like **unemployment rates or election results on a map**. Upload your own map or use any of our more than 3000 maps. The resulting map is responsive & interactive.

[Learn more about choropleth maps](#)



Symbol map

Create symbols sized and colored according to your data. Works great for specific locations (like cities). Upload your own map or use any of our more than 3000 maps. The resulting map is responsive & interactive.

[Learn more about symbol maps](#)



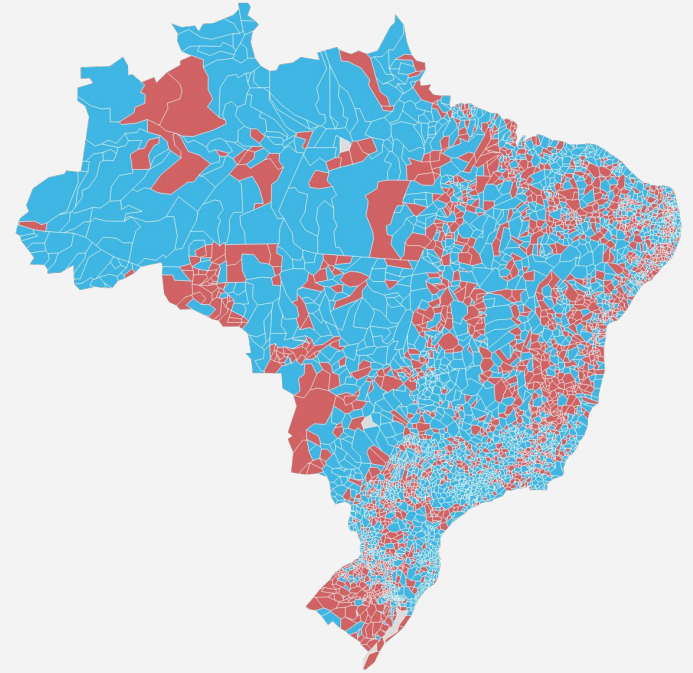
Locator map

Add markers to a map to show where **something is located or happened**, e.g. events within a city. Perfect for showing readers the places you mention in an article. The resulting map is responsive and static.

[Learn more about locator maps](#)

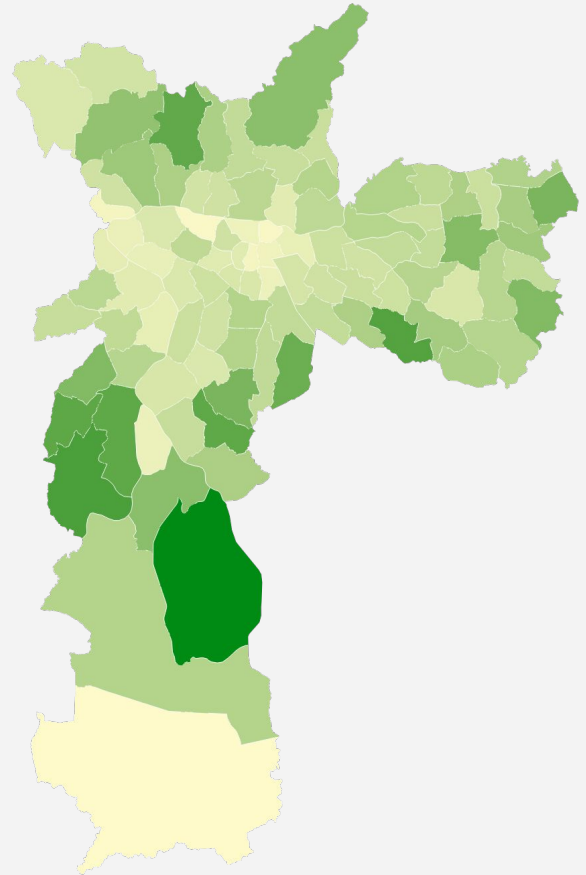
Dados municipais do Censo

1. [Repositório de dados dos Censos \(SIDRA\)](#)
2. [População por município 2022](#)
3. [População por município 2010](#)
4. [Planilha com os dados formatados](#)



Dados dos distritos de São Paulo





1. População por distrito 2010
2. Planilha com os dados formatados
3. [Baixar geojson](#)
4. <https://mapshaper.org/>



geojson

(formato padrão aberto
projetado para representar
recursos geográficos simples)

geojson.io

Type	Examples	
Point		<pre>{ "type": "Point", "coordinates": [30, 10] }</pre>
LineString		<pre>{ "type": "LineString", "coordinates": [[30, 10], [10, 30], [40, 40]] }</pre>
Polygon		<pre>{ "type": "Polygon", "coordinates": [[[30, 10], [40, 40], [20, 40], [10, 20], [30, 10]]] }</pre>
		<pre>{ "type": "Polygon", "coordinates": [[[35, 10], [45, 45], [15, 40], [10, 20], [35, 10]], [[20, 30], [35, 35], [30, 20], [20, 30]]] }</pre>

Obrigado!

Dúvidas?

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