Presentation

Team

11-05-2021

Motivation and project objective

The Covid-19 pandemic has elicited a wide array of responses from policymakers and political authorities. Among similar measures, there is heterogeneity in their stringency or their degree of enforcement.

Also, the public responds differently to the different types of measures.

Objectives of this project

- Understand how can we group different types of responses in the USA
- Identify variables that are correlated with each group
- Understand the public's response to these measures.

Analyzing COVID-19 US states' response

Data and Methodology

COVID measures dataset: Oxford Policy Tracker

- Follows daily levels of 10 types of COVID measures for the 50 US states.
- Each variable is an integer taking values from zero to three or four.
- The higher the value, the higher the restrictions/stringency of the implemented policy.

Our methodology

- Select the period of 30 days before and after the peak number of new deaths,
- Average the level of response, for each type of variable.
- Compare this averages across states

Categories and Measures employed

Table 1: Categories and Variable types

Containment	Health	Economic
School Closings	Public info campaigns	Income Support
Workplace closing	Testing Policy	Debt relief
Cancel public events	Contact Tracing	Fiscal Measures
Restrictions on gatherings	Emergency investment	International Support
Close public transport	Investment in vaccines	a
Stay at home requirements	Facial coverings	a
Restrictions on internal movement	Vaccination policy	a
International travel controls	Protection of elderly people	a

Understanding types of responses

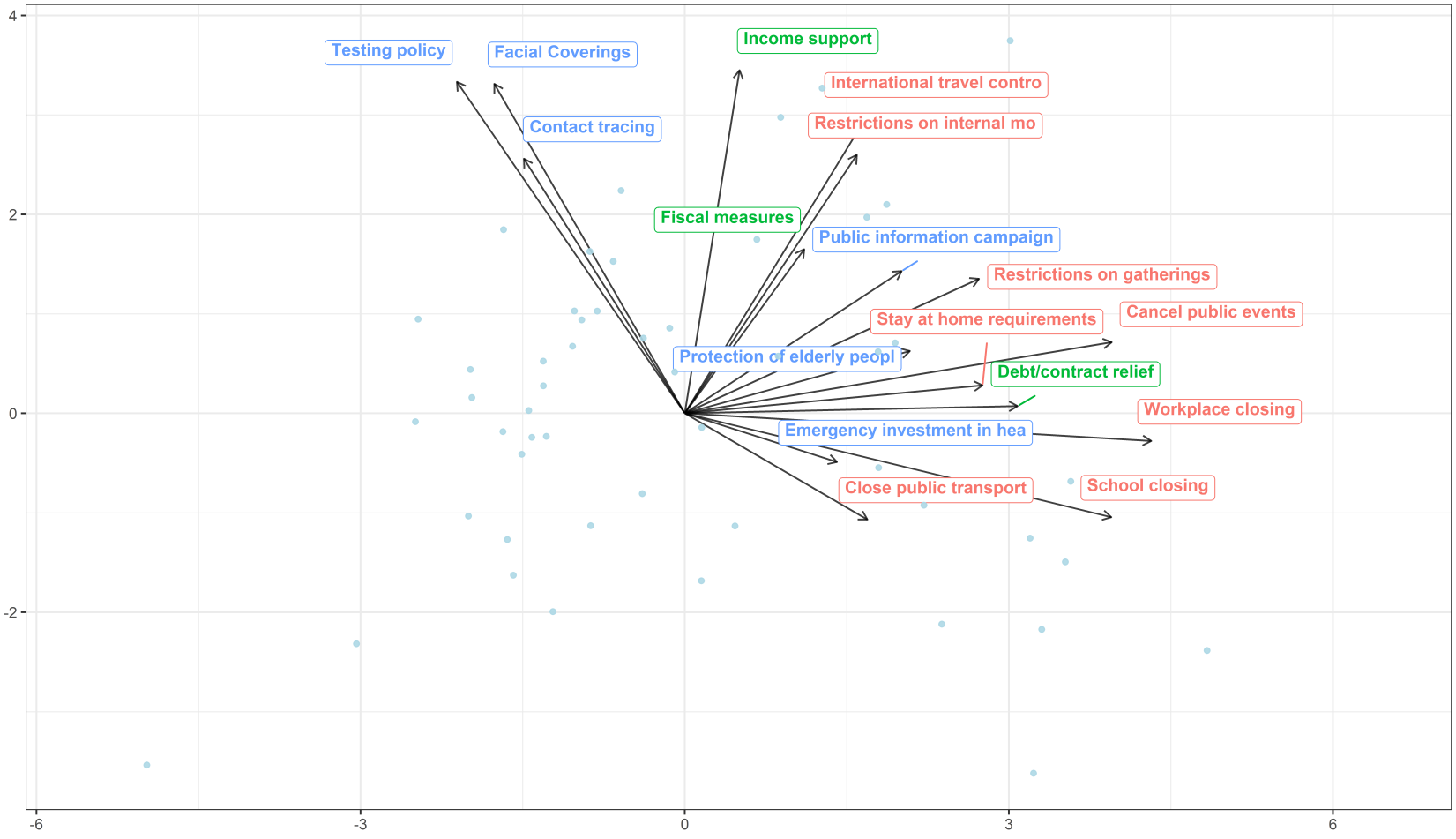


Figure 1: A nice image.

Where do US states position themselves?

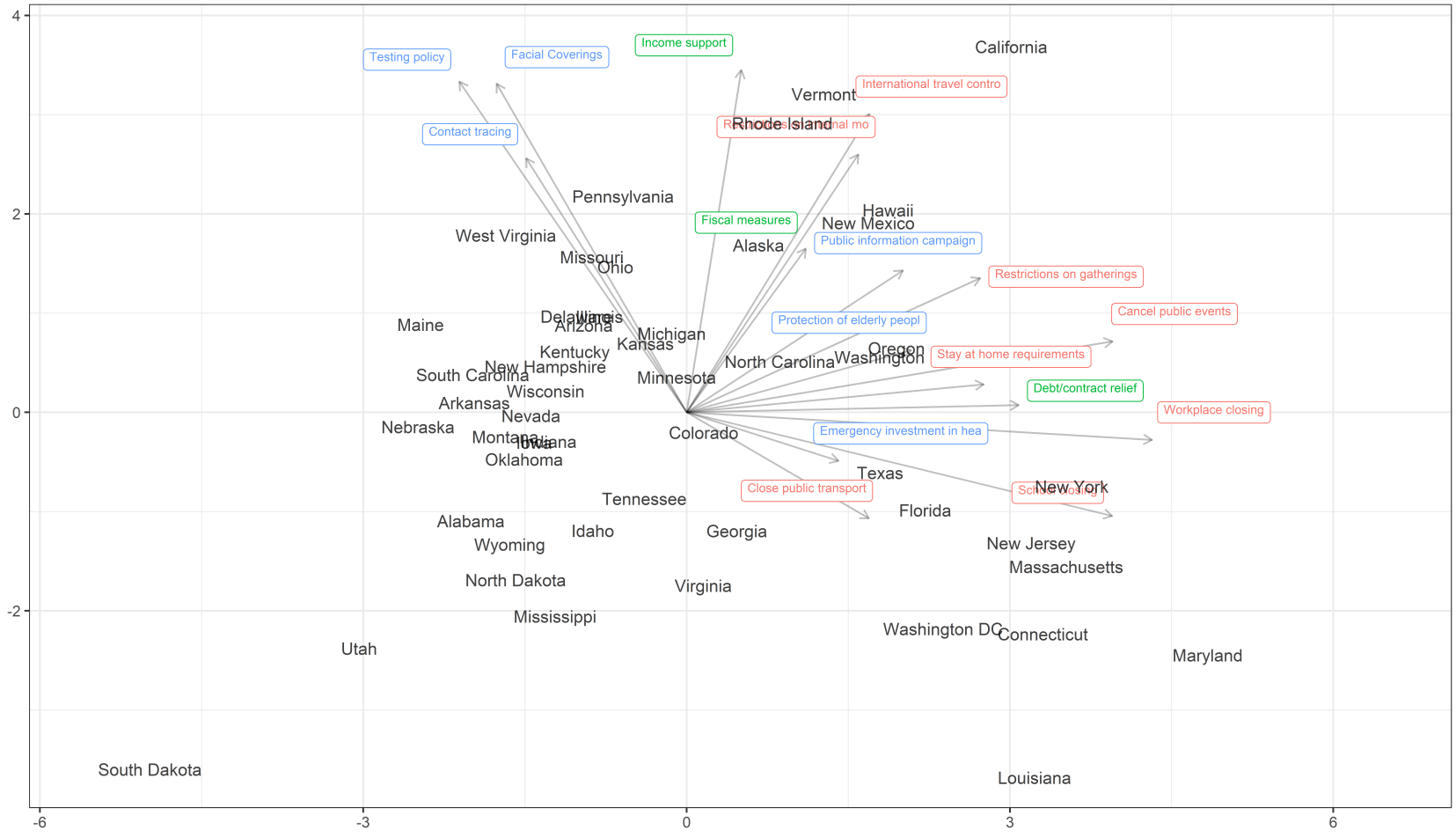
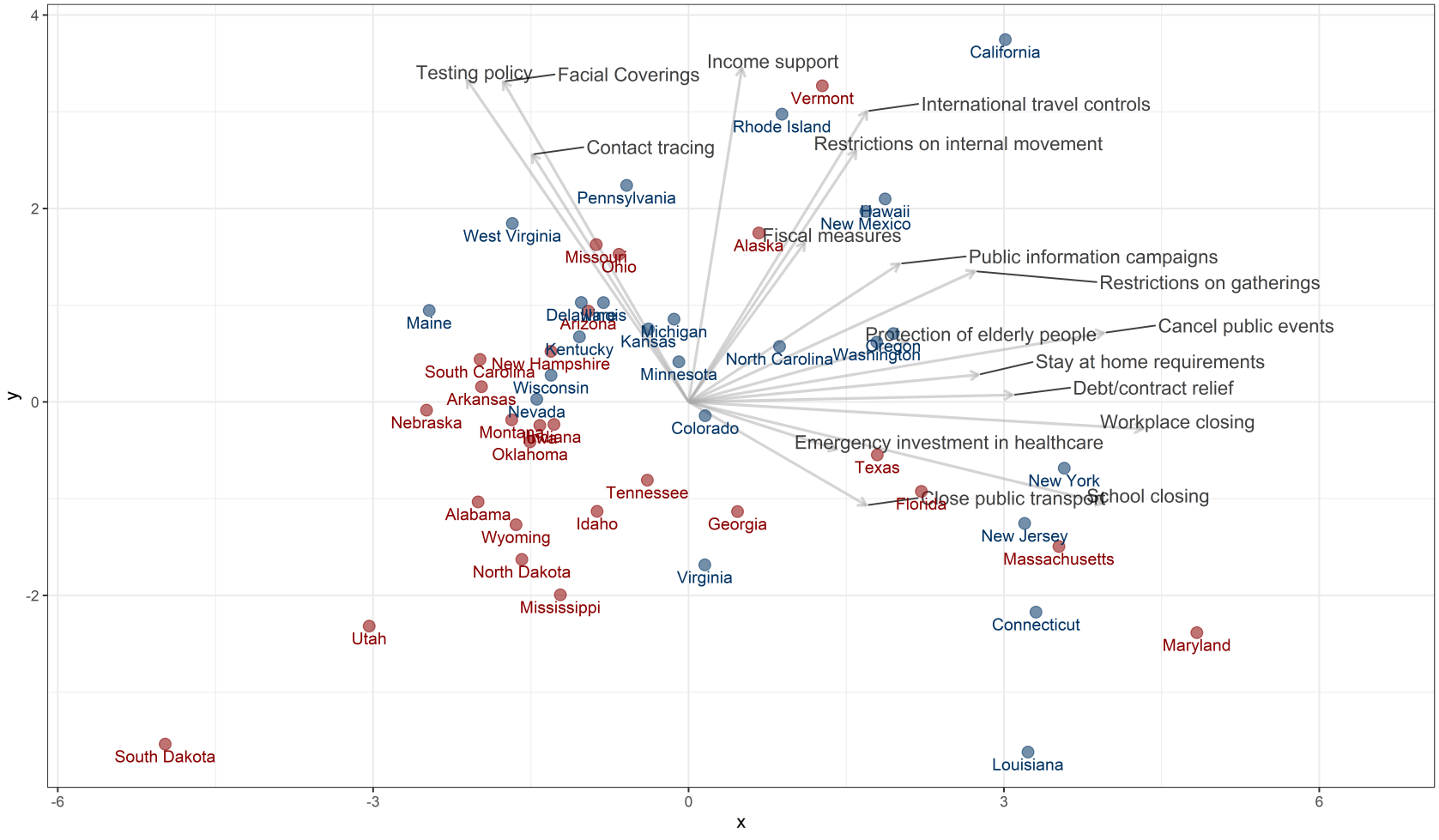


Figure 2: A nice image.

Is governors' partisanship a good segmenting variable?



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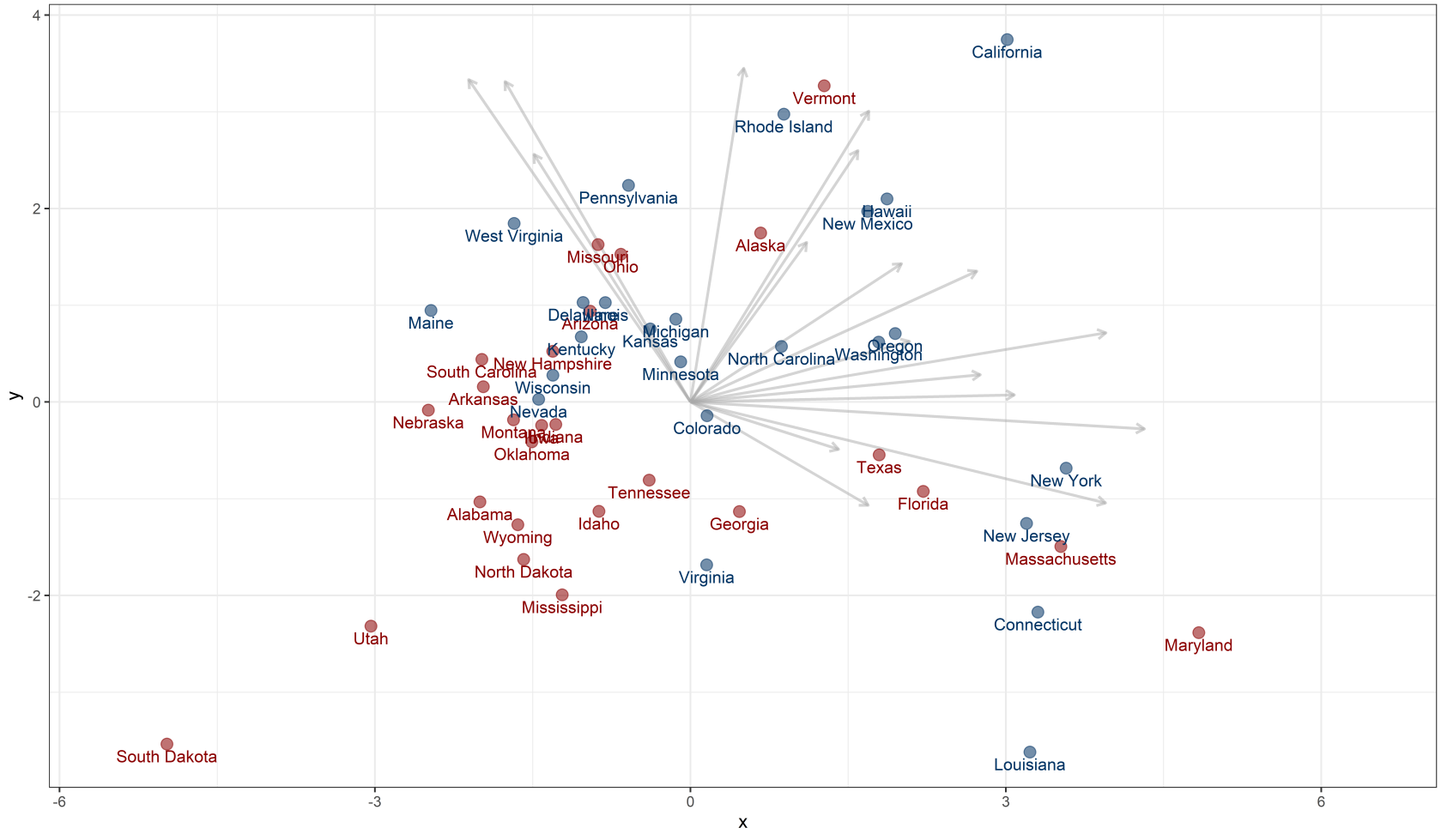

Figure 4: A nice image.

Is this explained by how much was the peak of new deaths? Is response proportional to the negative impacts?