Measuring the effect of different political actions to contrast the contagion of COVID19

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Objective

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- 1. What are the different containment efforts and is there a strategies resemblance across countries?
- 2. What is the effect of these policies on the contagion from a global perspective?
- 3. Has the same action lead to different results in the case of different regions of Italy?

Data

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- Oxford COVID-19 Government Response Tracker (OxCGRT) for policies tracking.

Tools:

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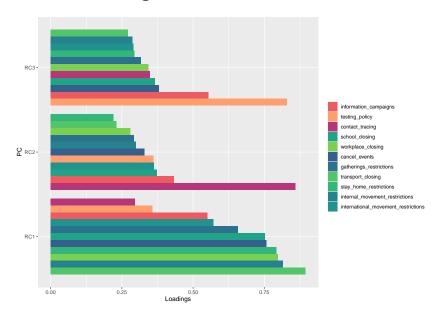
- ▶ Dimension Reduction via Polychoric PCA for 11 ordinal variables (from 0 to 2 or 0 to 3) indicating the stringency level of policies related to
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 - ▶ Information, Testing and Contact Tracing campaigns.
- ► Function Data Co-Clustering of the countries aligned to the first contagion (from the 10th day before contagion).

Containment strategies

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Resembling patterns

C1: South Korea and Singapore.

C2: Sweden and Germany.

C3: Usa, Canada, Portugal and Greece.

C4: Norway, Finland, Denmark, Belgium, Switzerland, Austria, France.

C5: Italy, Spain, Ireland, UK, Netherlands.







Resembling patterns

