# Example1 Output

Bruno Mendes

> 💡 README 1
>
> This is a simple example of a QMD file with basic management, compiling and data visualization, for evidence of programming skills.
> Here I will just show a relatively simple examples using R and some LaTeX.
> If the reader wants to replicate the code, please contact me for data access.
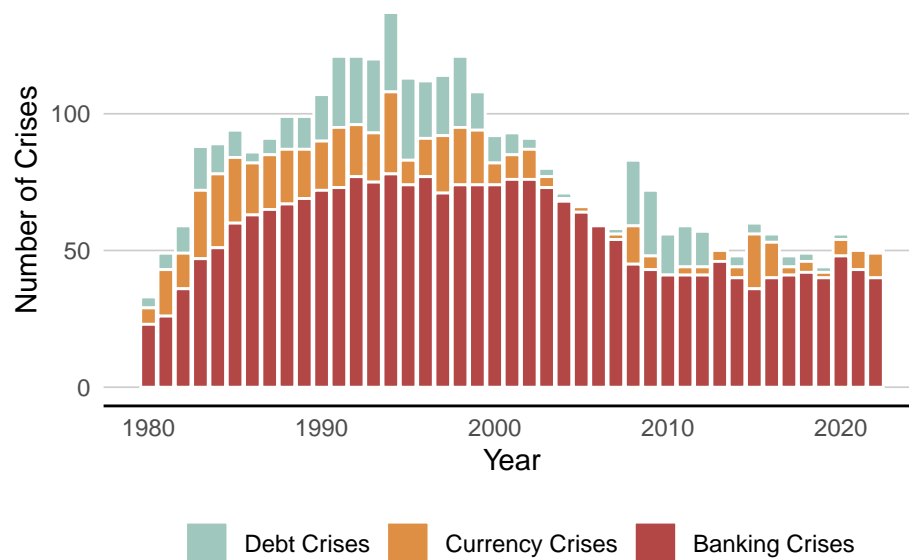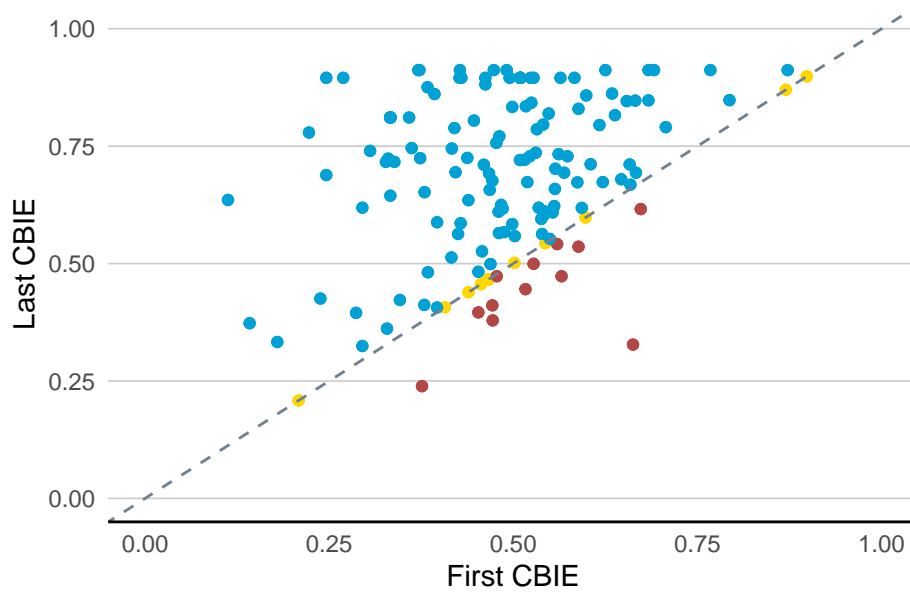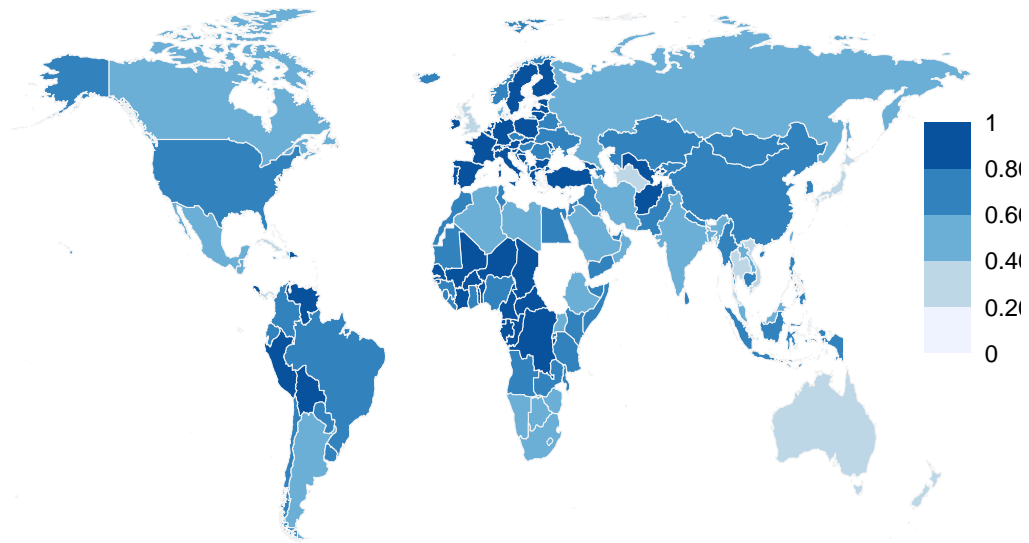
## Vizualizations
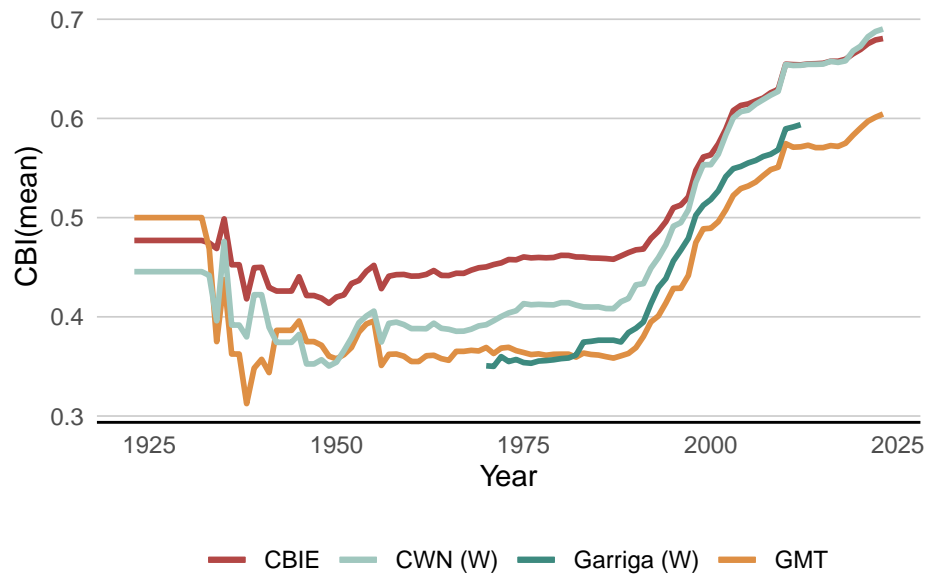
Figure 1: Crises by year

Figure 2: First and last CBI scores by country



In Figure 2 its clear that the last CBI index is greater than the first CBI index for most countries. This is consistent with the idea that the CBI index has increased over time. The dashed line represents the 45 degree line, where the first and last CBI index are equal. The color of the points indicates whether the last CBI index is greater than the first CBI index. The red points represent countries where the last CBI index is less than or equal to the first CBI index. The blue points represent countries where the last CBI index is greater than the first CBI index. The yellow points represent countries where the last CBI index is equal to the first CBI index. It is also worth noting that there are several countries where the CBI score decreased from its begining to its end. This is indicative that we have a mix of countries with increasing and decreasing CBI scores over time.

In Figure 3 we can see the evolution of the CBI index over time. The plot shows the mean CBI index for all countries, grouped by different measures of the index. This are the most relevant and publicly available measures of the CBI index. The plot shows that the CBI index has increased over time for all measures with a similar trend, despite differences in the fluctuations and levels.

Figure 3: Different measures of CBI

## Statistics and Regression examples

## Appendix

For transparency, I present the sources of the variables used in the dataset.

Table 1: Sources and variables used in the dataset.

| Source | Variable |
| --- | --- |
| Garriga (2024) | Central bank independece index |
| Nguyen (2022) | Financial crises |
| Romelli (2024) | Central bank independece index extended |

*Note:* This table presents the source of the variables used on the construction of the dataset used in this work.