Observations and Conclusion

As we can se from the data analysis, certain general rules apply to all countries:

- Complete lockdown is the most efficient way to reduce covid-19 growth of positive cases; however, it is very costly and has large educational and economic impacts

- Limited gatherings (concerts, sport events, culture) are very crucial in order to limit spread of the virus

- Closed bars and restaurants help to handle epidemic situation the most after lockdown and limited gatherings

- When schools are opened and students wear masks all the time, the transmission is surprisingly not as high as originally expected (with no masks, however, the transmission is extremely high)

- Masks indoors is not costly and help to prevent the spread of the virus a lot

Along with couple general rules we could read from the dataset, we have to mention that Germany has chosen the optimal way of handling coronavirus. It turns out that with mandatory masks indoors, limited gatherings and government fining not following rules, economy and schools can remain open.

In contrast, Czechia chose not to make masks mandatory in shops and schools when coronavirus was rising at the end of August, resulting in second complete lockdown and billions of dollars lost due to the lockdown.

Seeing restrictions in Covid-19_Government_Restrictions.pdf file, we can conclude than approach of Germany is the most sustainable one and the least costly one both in lifes lost and in economic impacts.