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20-Modeling the COVID-19 pandemic: a multifaceted approach

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The COVID-19 pandemic struck the world with a force not seen since the Spanish flu. Our adaptation to it involved highly restrictive measures that constantly and drastically change the disease's rate of transmission, which in turn makes predictions on COVID-19 numbers a difficult task.

I will try to overcome this challenge using two distinct methods, one will be a mechanistic epidemiological model that embraces these measures, and the other a machine learning model that tries to bypass them completely.

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