

Case__1

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Data manipulation

All the data manipulation are available and also can be explored/reproduced in the file forecasting.R

We can see in **Fig. 1** below the forecast of rtfpna for the countries presented (USA, MEX and CAN).

Based on **this** parameter of historical evolution, we can expect a great growth in the USA compared to CAN and MEX.

Although the historical average is a relatively reliable parameter, a model based purely on that parameter is unable to predict behavior in adverse situations (such as the current scenario with the pandemic of COVID-19).

In this database, any variable derived from TFP (ctfl for example) could be used to explain a series of TFP. However, this is a tautological argument.

Similarly, any combination, linear or otherwise, of two or more parameters that are a good fit for the historic TFP is a good initial candidate for creating a slightly less rudimentary model.

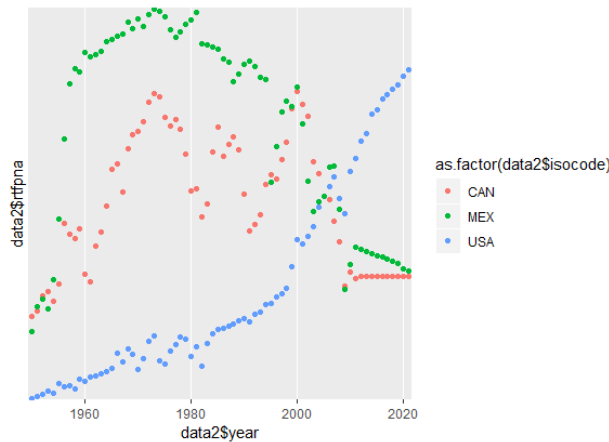


Figure 1: Forecasted data up to 2021