
Analyzing impact of Covid-19 Pandemic and the effect of quarantine in Argentina

Applied Data Science Capstone

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Introduction

The Problem

From the beginning of Covid-19 Pandemic, people's life has changed drastically due to the fast and exponential growth of cases, which leads governments to take decisions on how to prevent the expansion rate of the disease, health system saturation and economic impact.

The common denominator is quarantine. This helps to reduce infection rate, giving more time to governments to prepare health system. In opposition to this positive consequence of quarantine is the economic, social and industrial impact that quarantine has on a country. This positive and negative effect of quarantine makes it a "trade-off" solution.

The analysis of growth of cases, distribution of disease on the territory, impact of quarantine, among others; is fundamental for governments to take decisions. Also, viewing the evolution of disease and its influence on indicators such like economics or industrial ones, gives governments tools to evaluate and reorganize its own decisions.

This study is focused on Argentinian case. First, statistical data of Covid-19 on Argentina will be analyzed: how numbers of cases are distributed on its geography and where are the most affected cities. Then, the effect of quarantine in other areas (such like transport, industry, economic) will be studied and compared with the same period of the previous year.