

An overview of the impact of COVID-19 on Bahia state socioeconomic environment

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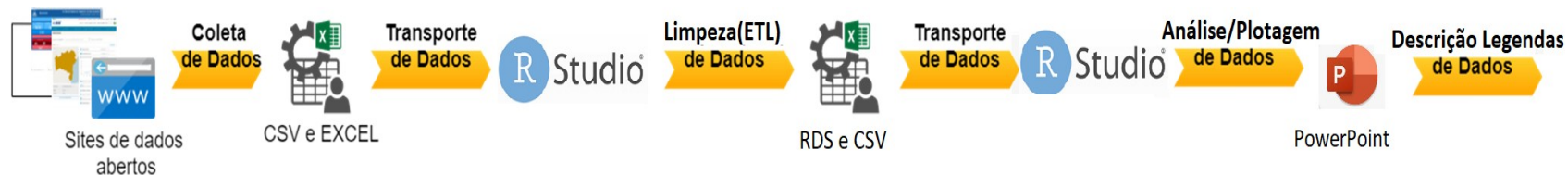
Introduction

Since it arrived in Brazil, the new coronavirus has been impacting socioeconomic, political, educational peoples daily lives. Faced with so many unexpected situations, the pandemic exposed human vulnerabilities and all its weakness in the face of the “invisible”. This study aims to present an overview of COVID-19 in the State of Bahia. .

OBJECTIVE

From the analysis of data collected in various agencies, such as: IBGE, TSE and the State Government of Bahia, it is expected to extract views of the influence on the health, economic, political and social systems of the Bahian mesoregions caused by the outbreak of the New Coronavirus , thus contributing to a broader perception of the new coronavirus infection..

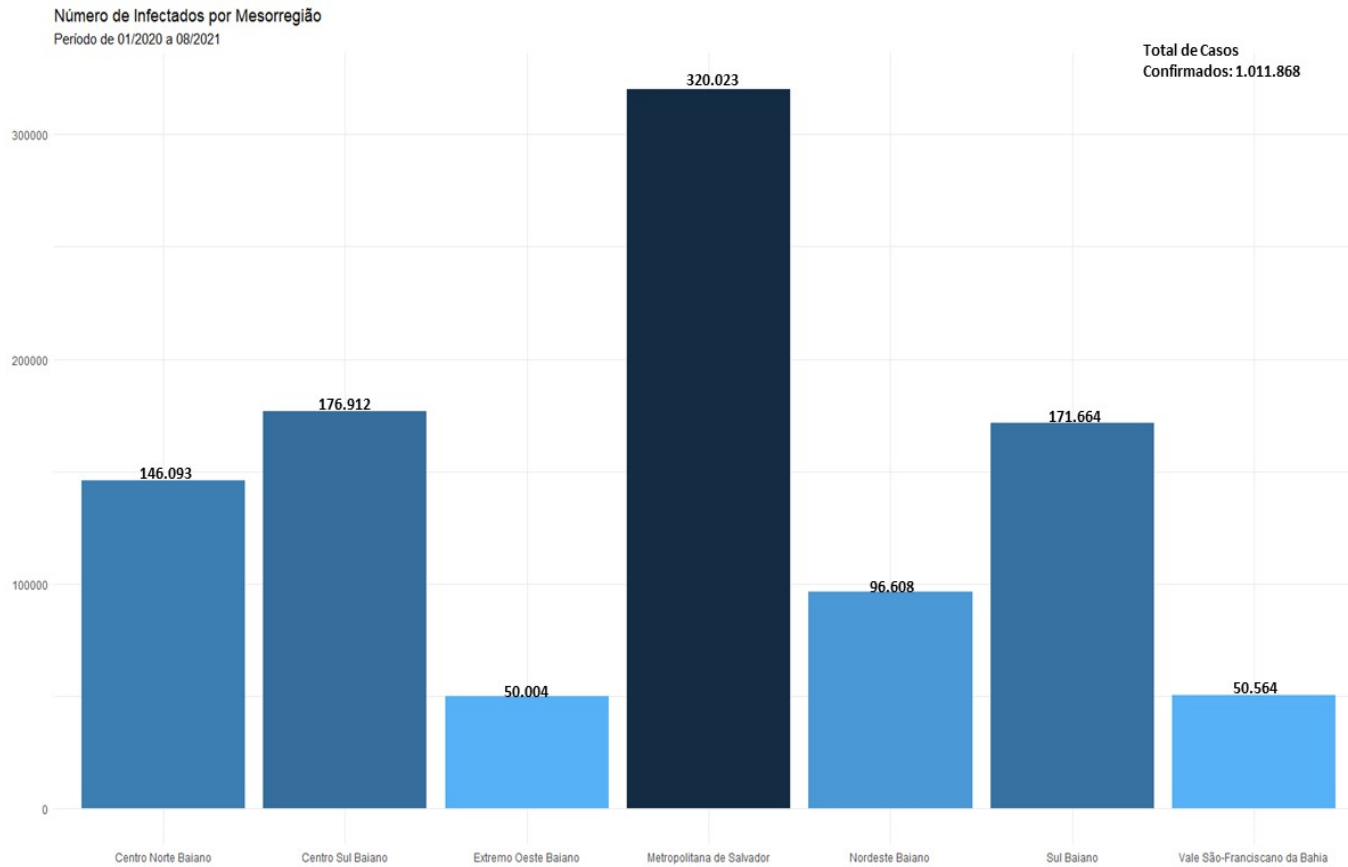
Using the methodological procedure below, we compiled the data, generating plots that help to understand some observed scenarios:



EXPLORATORY ANALYSIS

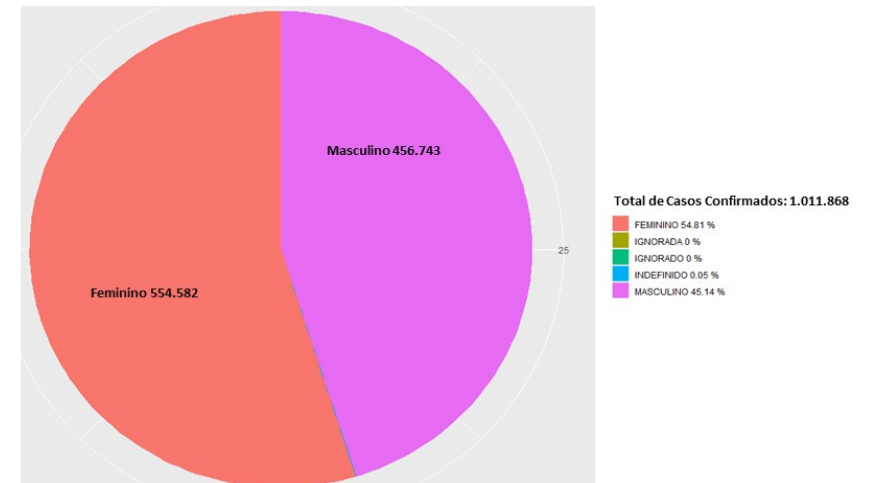
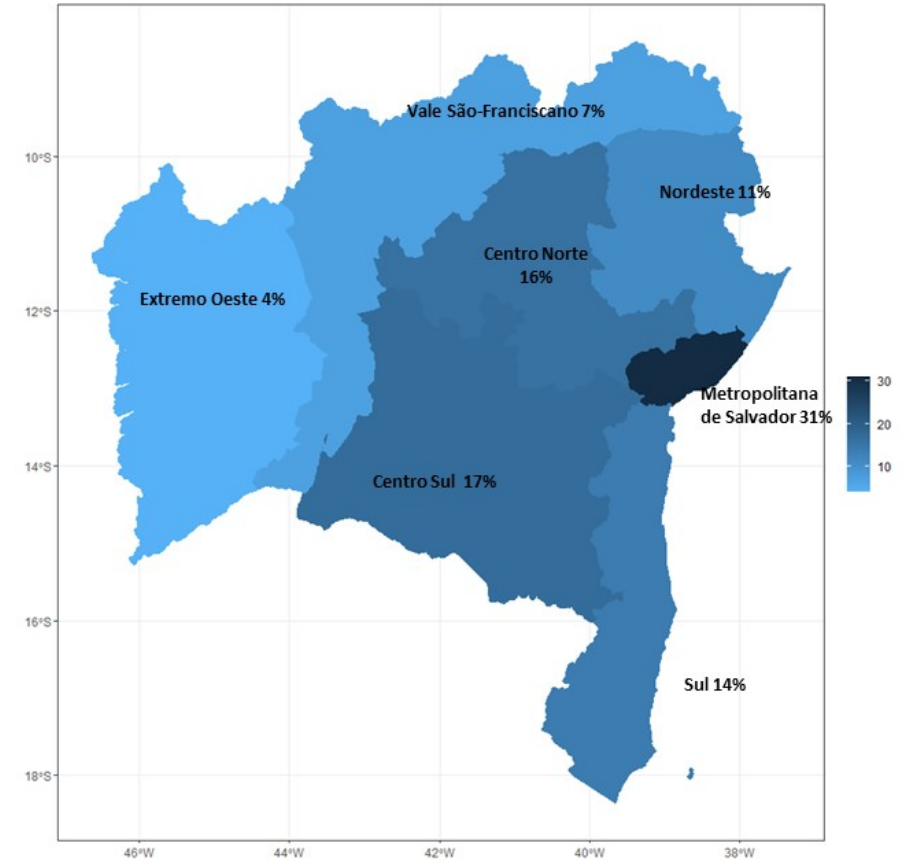
- Number of positives x Inhabitants per mesoregion.

It is observed that the most populous region, Metropolitan region of Salvador, concentrates the largest number of cases. In this region there is a smaller territorial space and a greater concentration of the population, which enables a higher incidence for the spread of the disease.



Percentual de Habitantes por Mesorregião

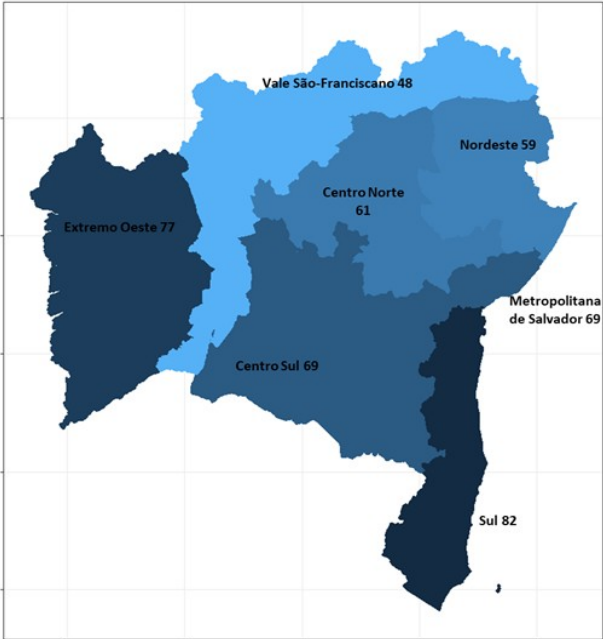
Total de Habitantes
Bahia: 14.930.634



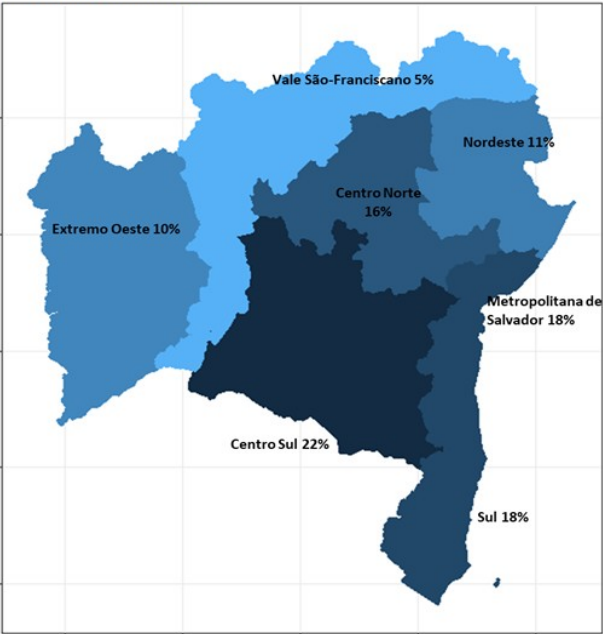
Analyzing the data below, it is possible to verify that the South region and the West region, concentrate the largest number of cases per thousand inhabitants, respectively, 82 and 77 cases. The region with the lowest number of contaminated people per thousand inhabitants is the Vale do São Franco, which reached 48 people.

Infectedos por 1000hab X Distribuição do PIB

Infectedos /1000hab por Mesorregião

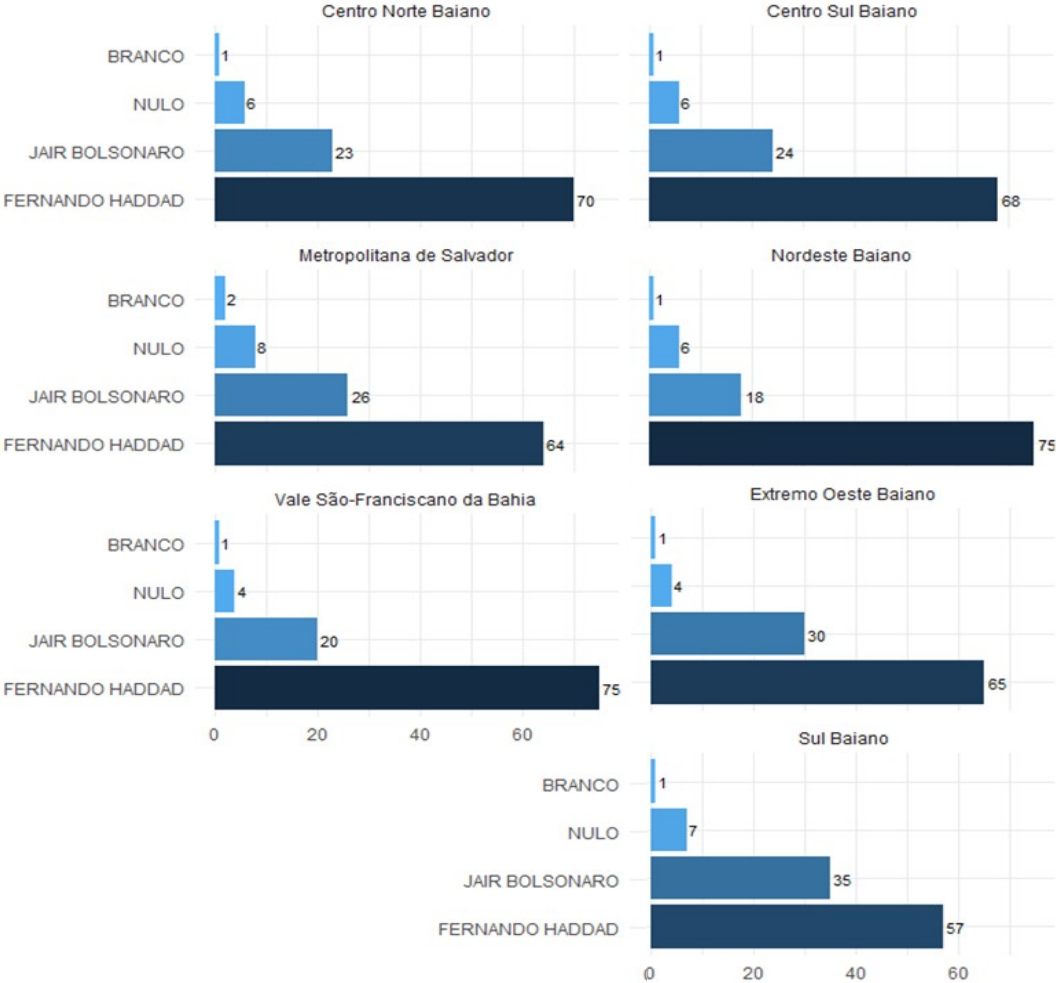


Distribuição PIB na Bahia
Percentual por Mesorregião



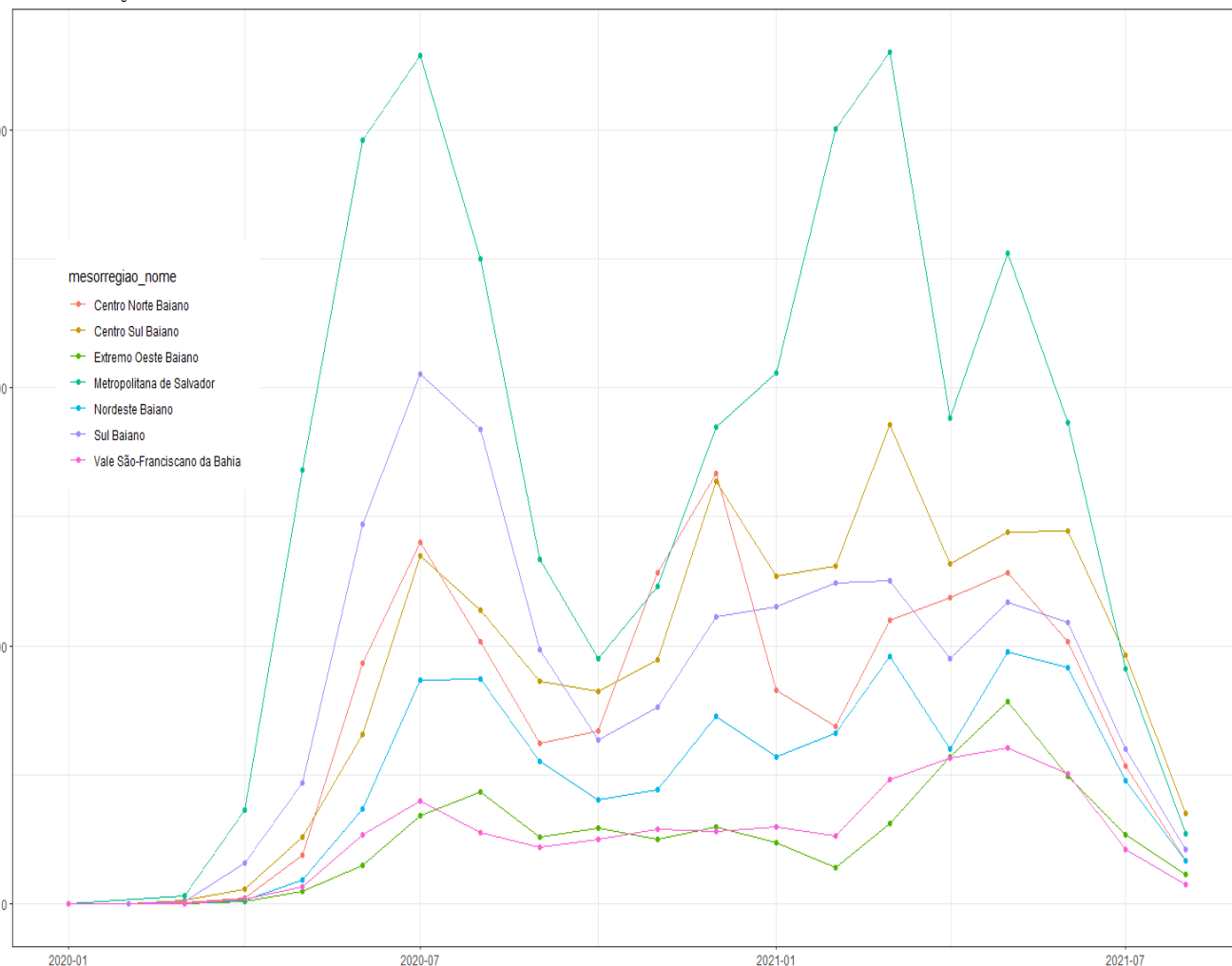
Comparing the percentage of intention to vote for candidates in these regions, we see that the two regions with the highest number of cases are also the region that had the greatest tendency towards the negationist president candidate.

Resultado das Eleições Presidenciais - 2º Turno de 2018
Percentual de Votos por Candidato



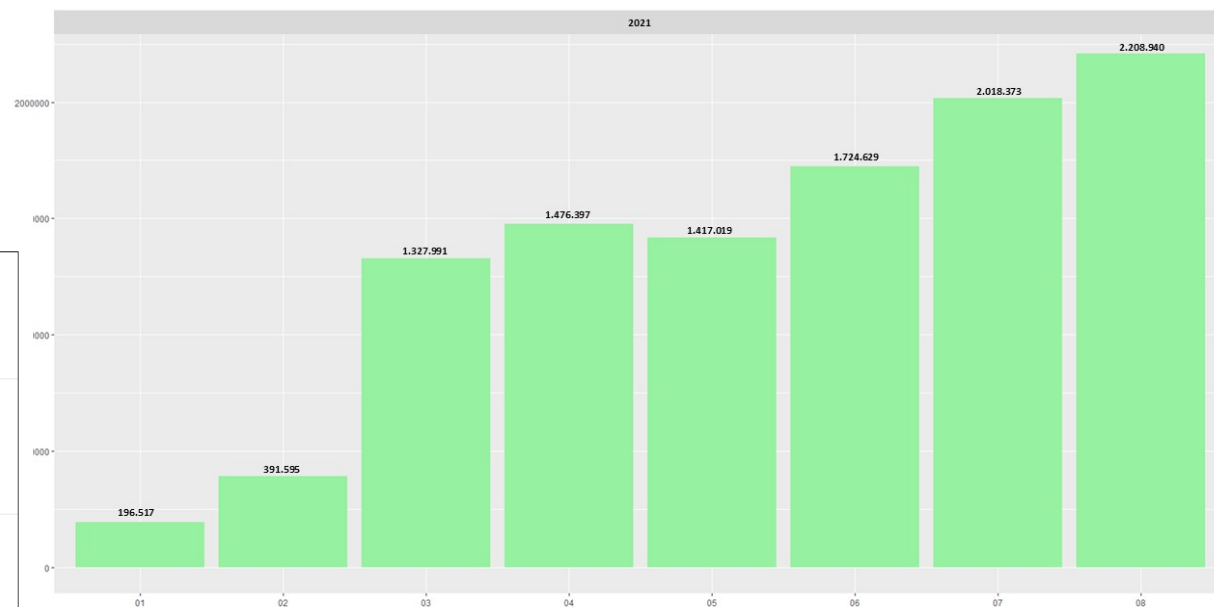
The fluctuation in the number of positive cases per month is detailed below, it is possible to verify the peaks of the disease in the regions. Such a graph also allows us to try to relate the results of vaccination with the drops in the numbers of infected people, something that we will try to highlight below.

Evolução Mensal do número de positivos
Janeiro de 2020 a Agosto de 2021



Número de Vacinados por Mês

Total de Vacinados: 10.761.461



Visually, we can associate a reduction in the number of cases as the number of vaccinated people increased, although it cannot be said that there is direct vaccine efficacy against this reduction. It is known that the vaccine contributes to protection, but this does not mean that individuals will be free from contagion. According to the WHO (World Health Organization, 2020) article, one of the advantages that the vaccine brings is the possibility of achieving group immunization. Studies prove the effectiveness of the vaccine in reducing the number of Serious cases but not directly on reducing transmission, except for group immunization (CNN BRASIL, 2021).