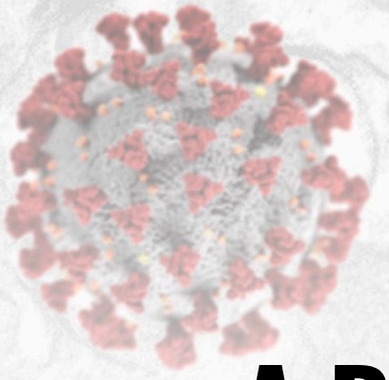

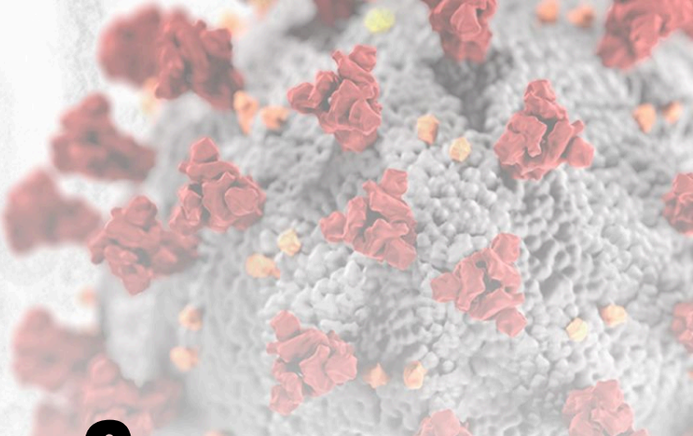

A Brief Analysis During the Surge of Covid-19 in the Philippines: Statistics, Figures, and Interpretations

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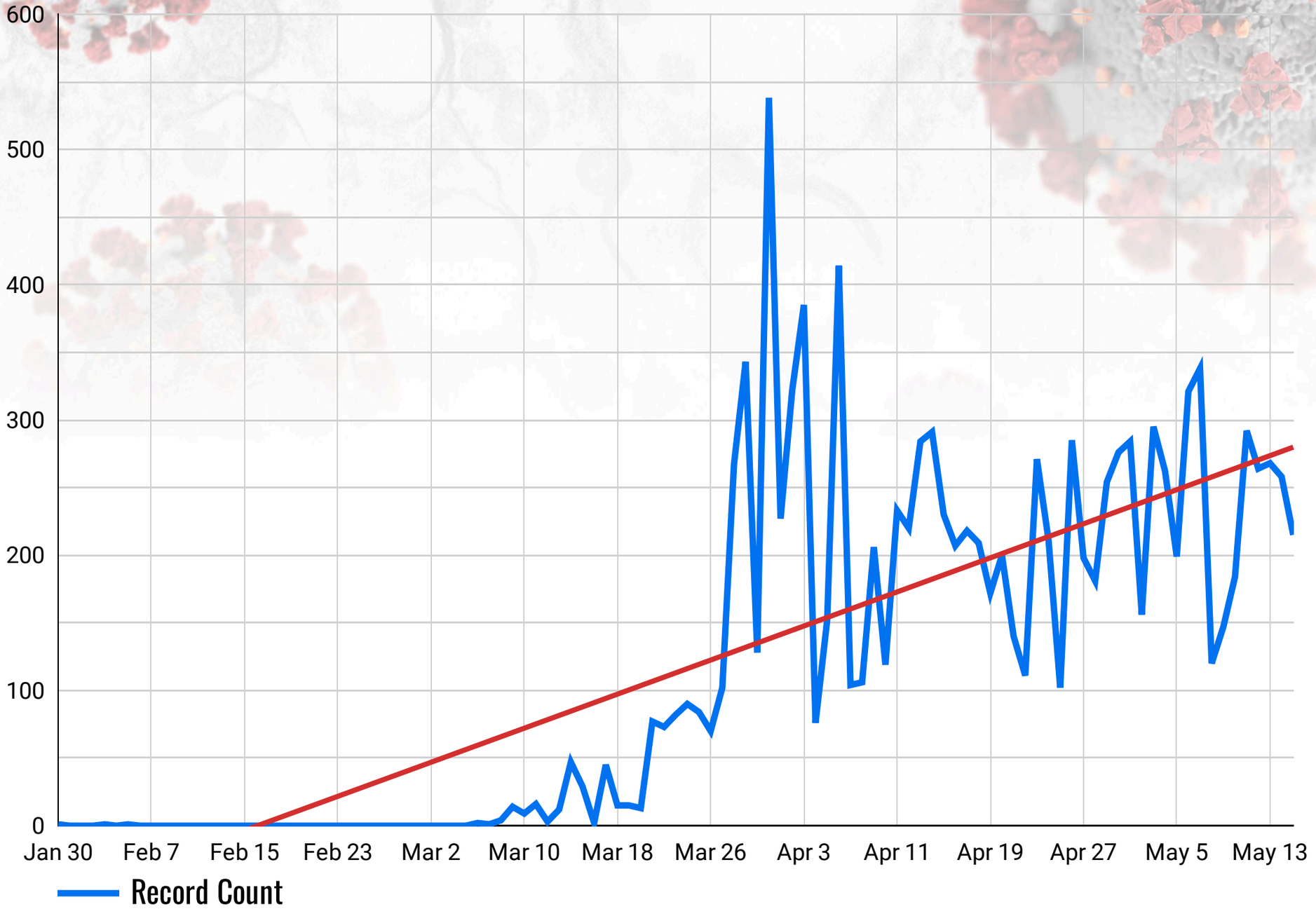
CPE 311 - CPE22S2

Introduction

The following dataset for the analysis of the Covid-19 pandemic in the Philippines is a relatively cleaner version of the case information datasets by the DOH Data Drop, distributed for public information during the height of the pandemic, and was last updated on May 1, 2020. With a recorded number of 12,092 patients once diagnosed with Covid-19, also tallied complete with their age (sorted by groups), sex, date of admission, regions, health and quarantine status, and the date of symptoms onset. Given the dataset, we are granted the privilege to meticulously examine the behavior of the disease's progression as well as the numerics that prove vital in the uncovering of insights crucial in assessing the spread and potential end of its influence.

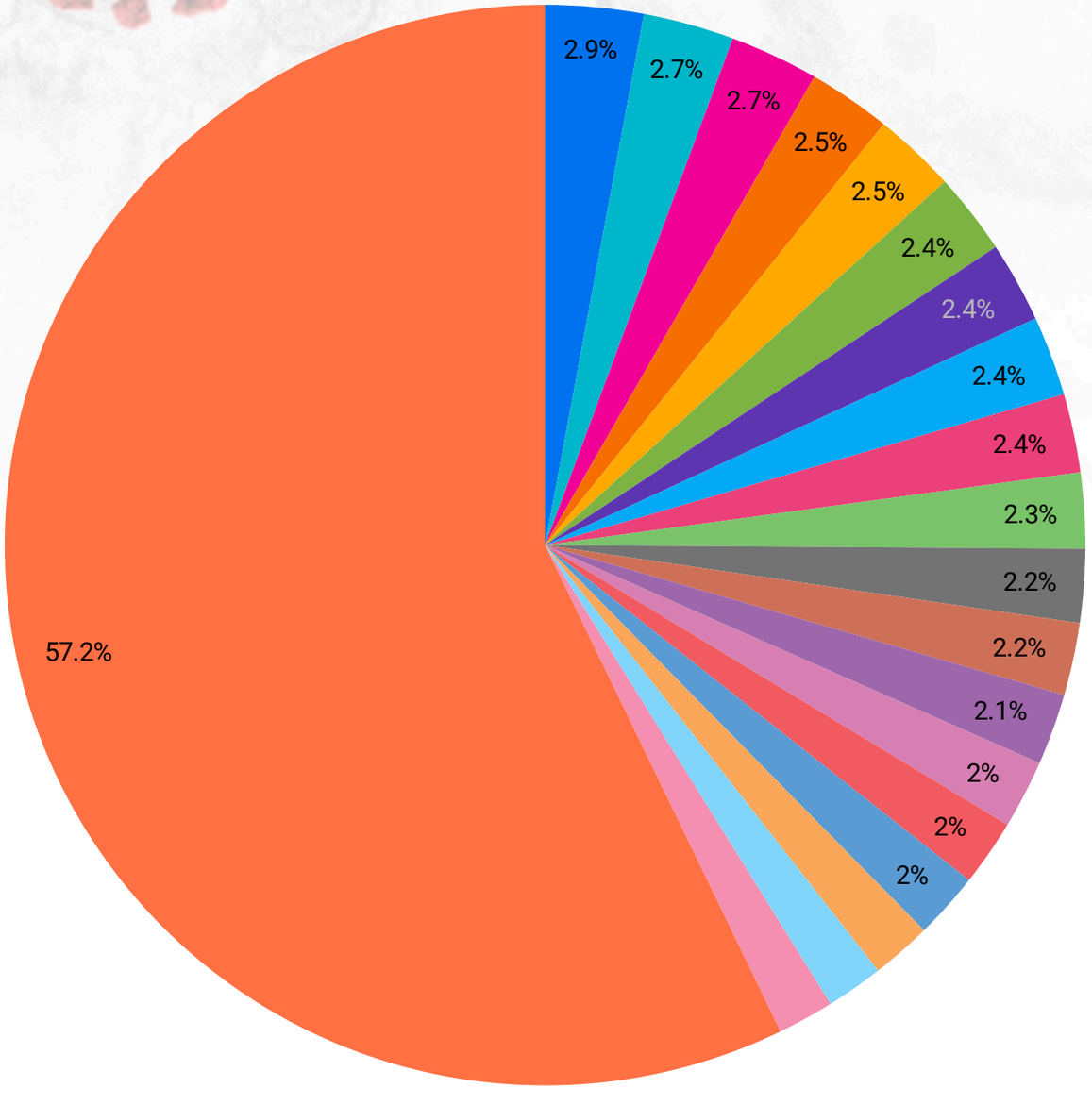
Visual Representation of Data -- Line Chart

Progression of the Pandemic through the Months



Visual Representation of Data -- Pie Chart

Division of Covid-19 Cases by City (N/A are 'Others')



- QUEZON CITY
-
- CEBU CITY (CAPITAL)
- CITY OF PARAÑAQUE
- TAGUIG CITY
- CITY OF MANDALUYONG
- CITY OF MANILA
- CITY OF MAKATI
- CITY OF PASIG
- PASAY CITY
- CALOOCAN CITY
- CITY OF LAS PIÑAS
- CITY OF SAN JUAN
- CITY OF MUNTINLUPA
- CITY OF VALENZUELA
- DAVAO CITY

Data Analysis of the Line and Pie Charts

With the visualization provided by Line Charts, we can see the steady progression seen in the number of admitted patients throughout the surge of the pandemic in the Philippines by Q1 and Q2 of 2020. Observing the steady linear progression of the trendline, we can see that the number of recorded patients are highly dynamic throughout the divided dates but the steadily-increasing behavior of the pandemic is observed. Additionally, with the pie chart focusing on the several cities/municipalities with major Covid-19 cases, it can be inferred that the dispersion of cases in these several regions are highly disperesed -- signaling the spread of a highly-contagious virus throughout the vicinities.