

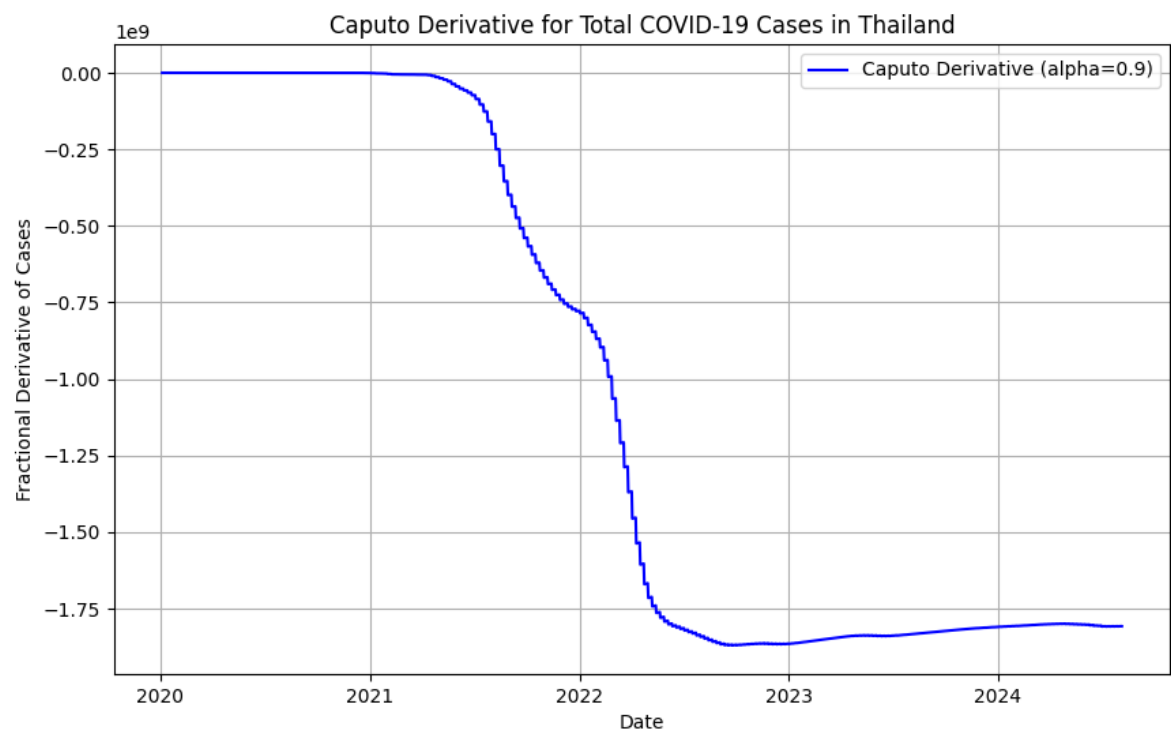
# COVID-19 in Thailand: Caputo Derivative Analysis

This report analyzes the COVID-19 cases in Thailand using a Caputo fractional derivative model. The analysis includes total cases, vaccinations, cases by gender, and age group, all modeled using fractional derivatives to consider the memory effects in the system.

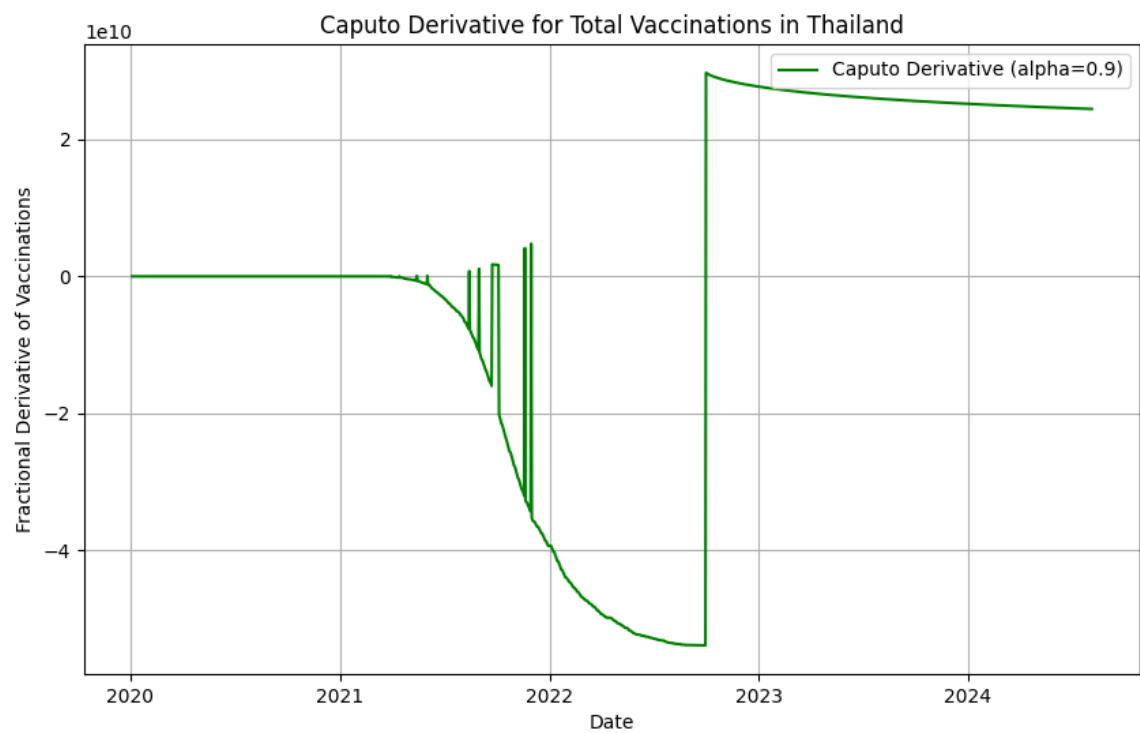
# 1. Caputo Derivative Data Analysis

The following figures represent the Caputo derivative analysis of COVID-19 data in Thailand, including total cases, vaccinations, cases by gender, and age group.

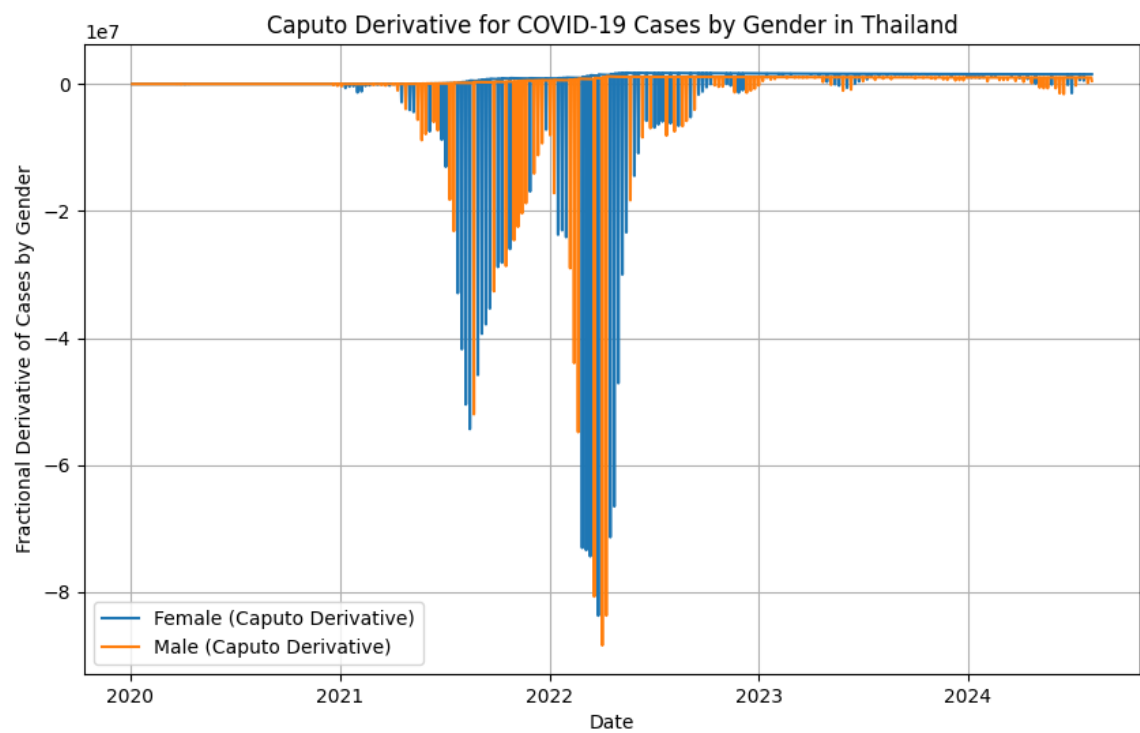
# Caputo Derivative for Total COVID-19 Cases



# Caputo Derivative for Total Vaccinations



# Caputo Derivative for COVID-19 Cases by Gender



# Caputo Derivative for COVID-19 Cases by Age Group

