

# COVID-19 Case Rates During the Delta Variant Surge in Biden-leaning Versus Trump-leaning California Counties

Marlena Jacobs, Yanmin Huang

## **Executive Summary**

This paper is an investigation of COVID-19 case rates in Biden-leaning California counties, and in Trump-leaning California counties, during the Delta variant surge. Our questions of interest are: what are the underlying case rates during the time period of interest for these two county groups? And is the COVID-19 case rate in the top Biden-leaning counties significantly less than the case rate in the top Trump-leaning counties? We used Bayesian methods to analyze case rates, in cases per 100 people per year. We found that the Biden group had a significantly lower case rate than the Trump group.