

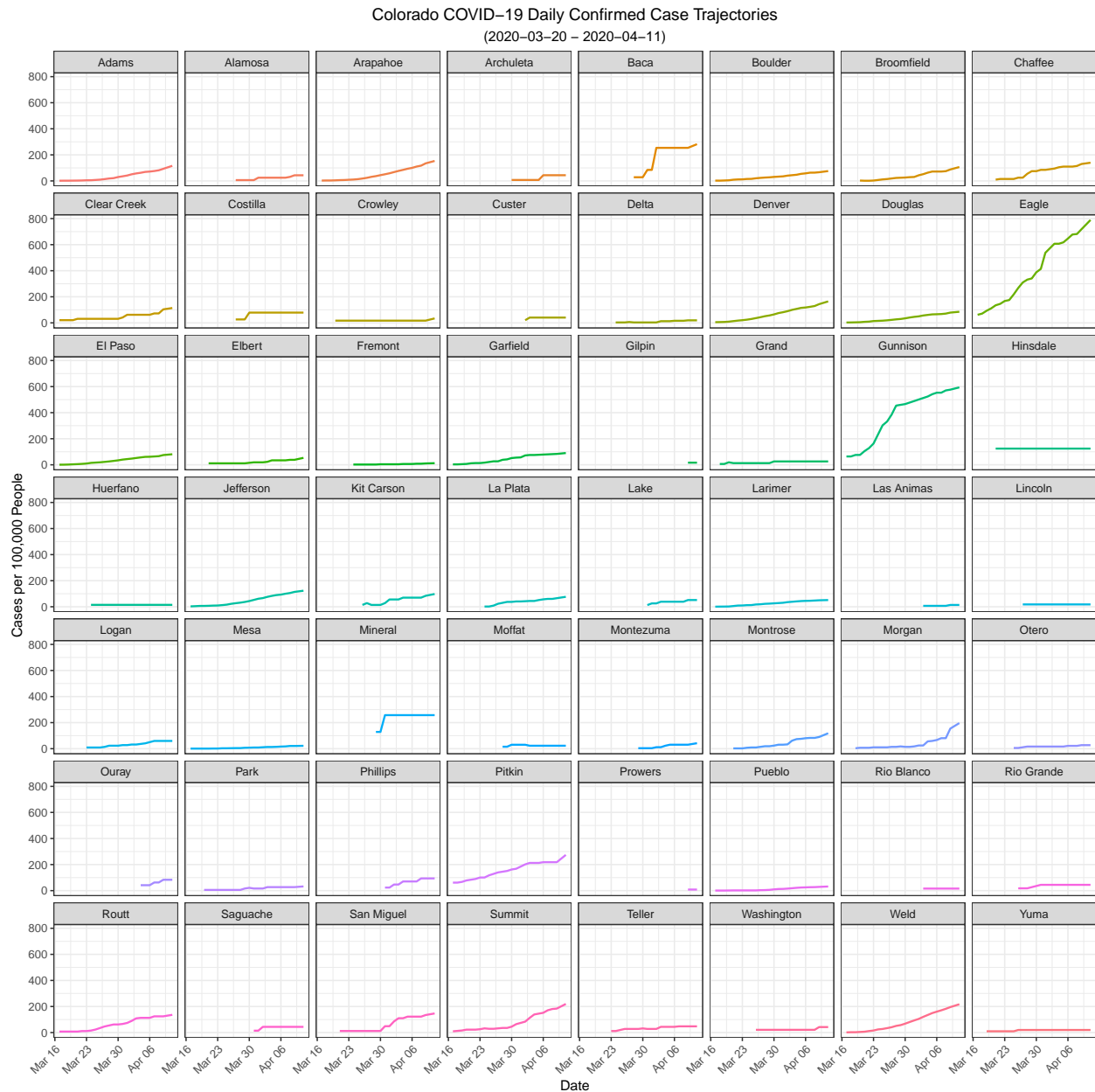
COVID-19 Confirmed Cases by Colorado County

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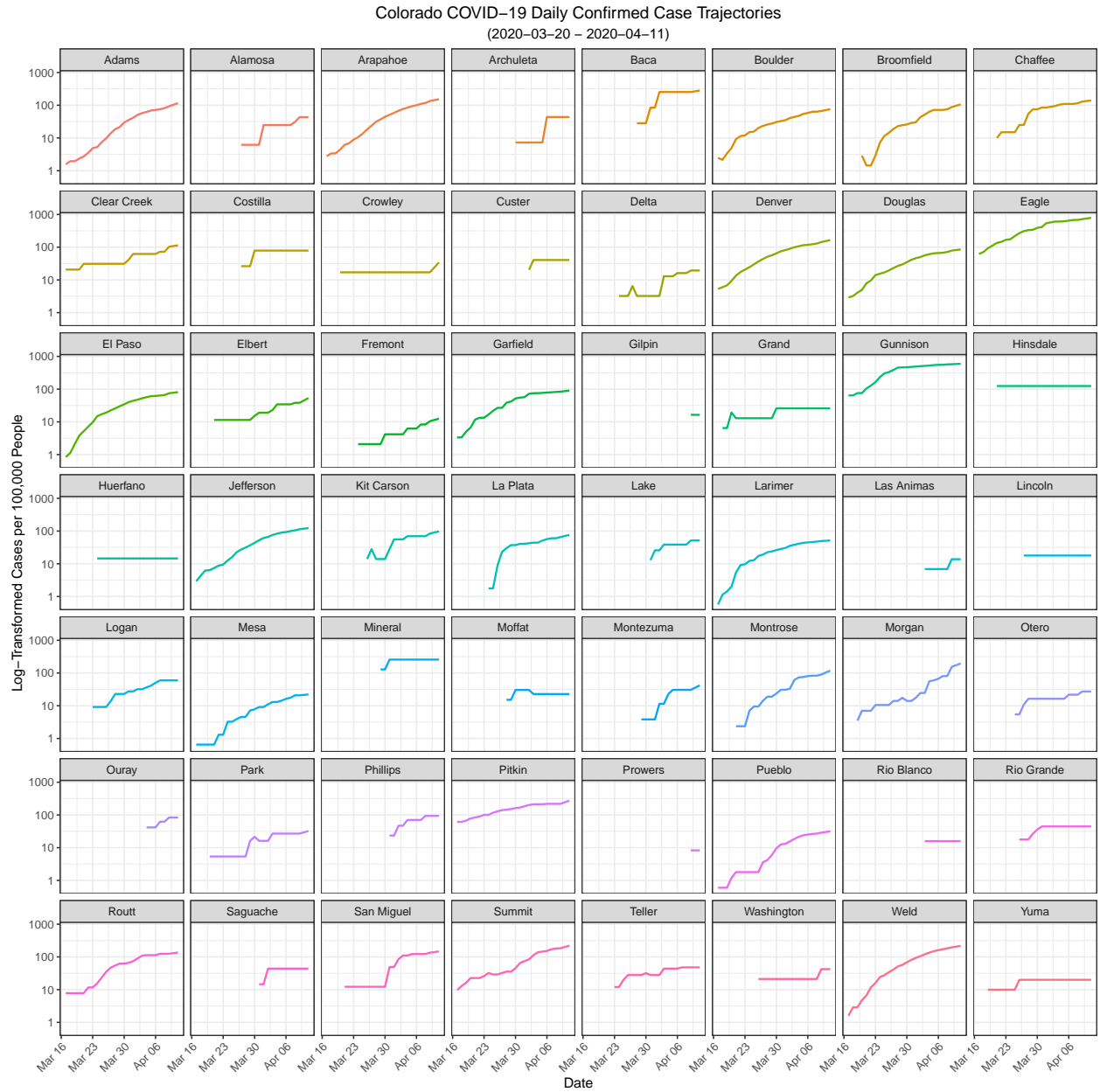
12 April, 2020

Daily Cases by Colorado County

Raw Cases per 100,000 People by County



Log-Transformed Cases per 100,000 People by County



County Confirmed Case Trajectories (Experimental)

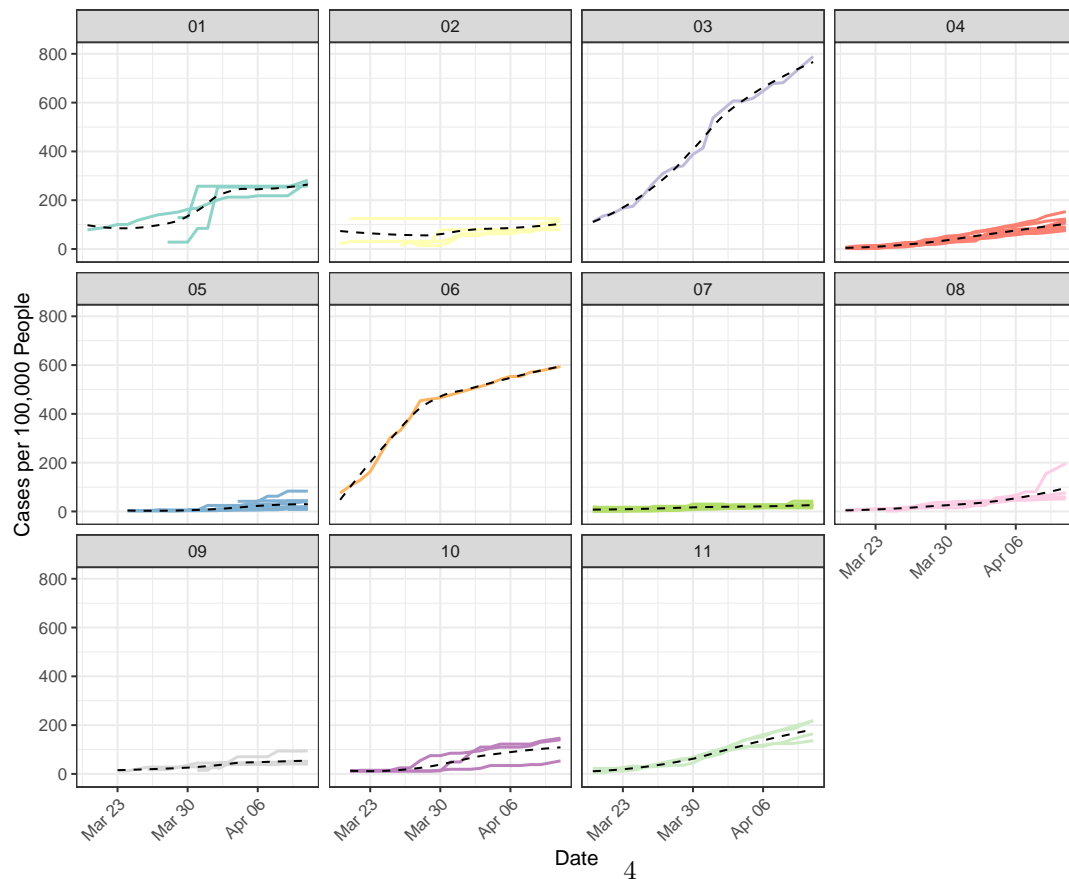
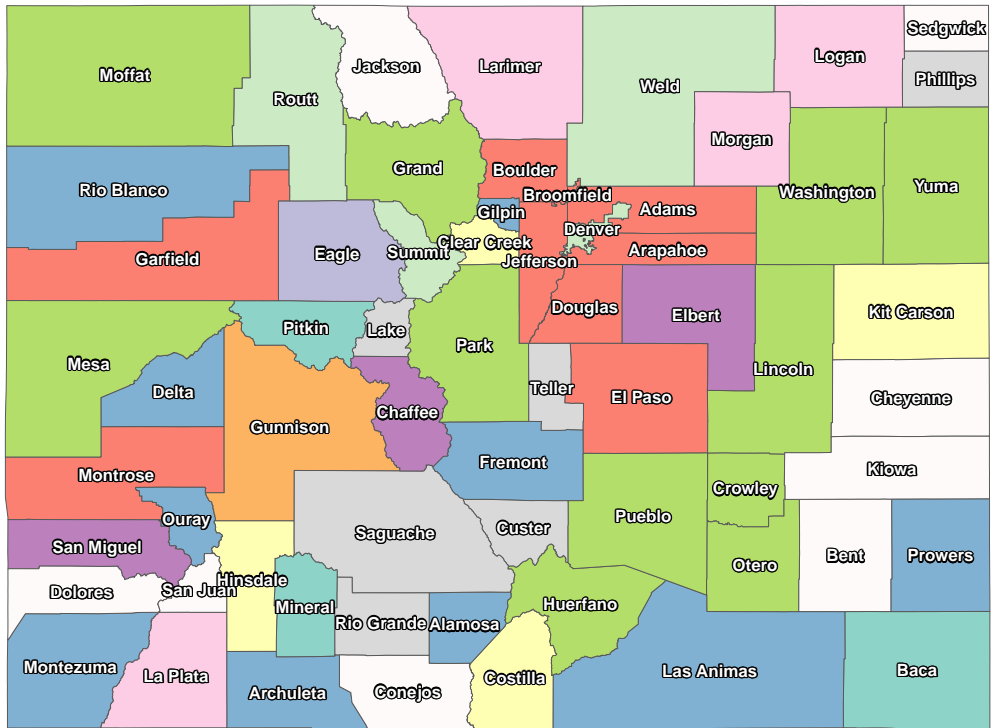
Methodology

Use Affinity Propagation clustering to group daily reports of confirmed cases by county based on two criteria:

1. The current rate of confirmed cases per 100,000 people.
 2. The change in confirmed cases per 100,000 people since the previous day.
- March 20, 2020 is used as the initial date, since it is the first day at which the change in cases/100k people by county can be measured (3/19/2020 marks the first day in which all counties were reporting).
 - From the ensemble of daily clusterings, measure the percentage of days to date that any two counties shared a cluster label.
 - Perform a final clustering (also using Affinity Propagation) to group the change trajectories from 3/20/2020 to present.

Raw Cases per 100,000 people by cluster

Colorado COVID-19 Daily Confirmed Case Trajectories
(2020-03-20 – 2020-04-11)



Log-transformed Cases per 100,000 people by cluster

Colorado COVID-19 Daily Confirmed Case Trajectories
(2020-03-20 – 2020-04-11)

