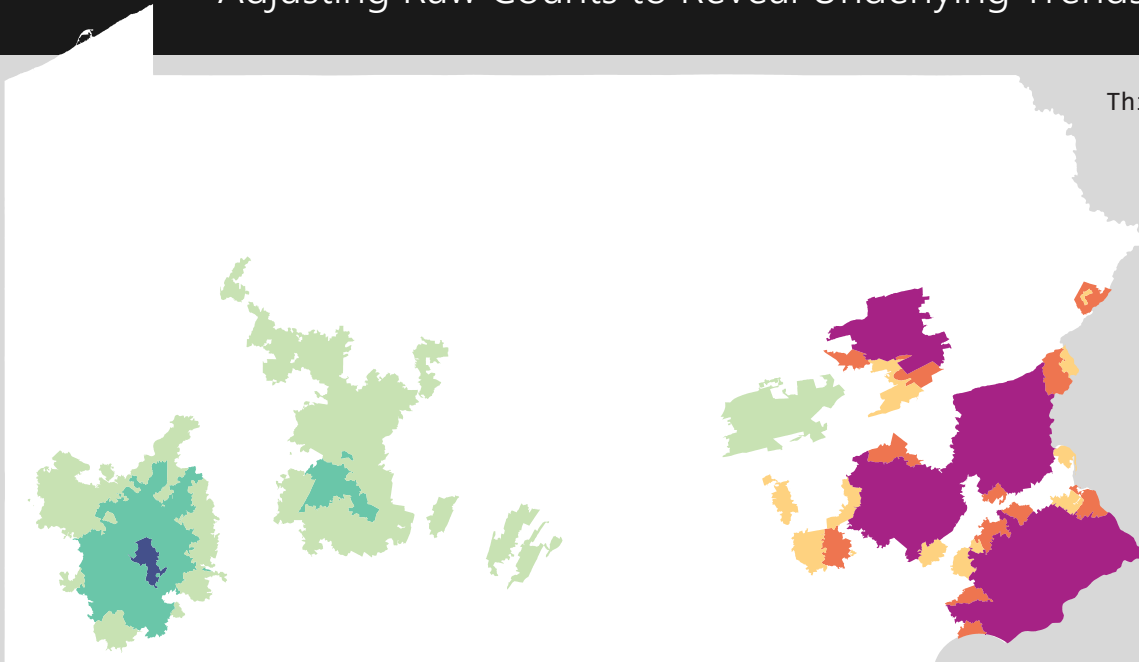


— COVID-19 in Context: Mapping Cases & Rates —

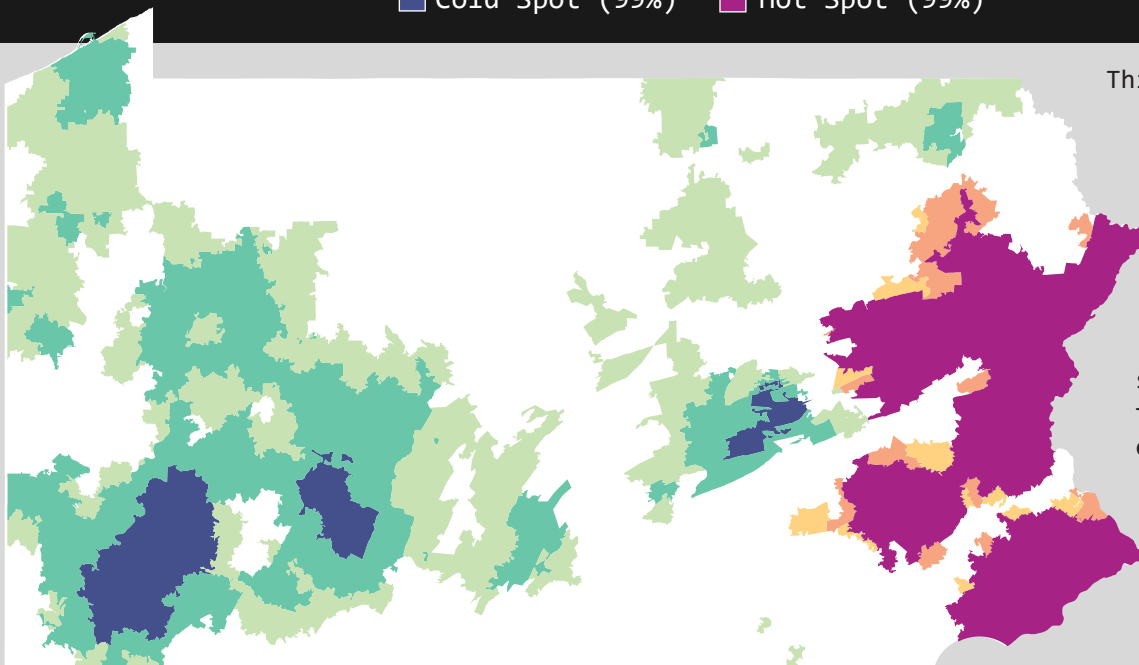
Adjusting Raw Counts to Reveal Underlying Trends



This hot spot analysis was conducted on raw case count data by ZIP code. Mapping raw counts is problematic in many ways, most importantly because areas with higher populations often expect higher levels of certain phenomena. This can hide trends in less populated areas.

Hot Spots Analysis (Significance Level)

Cold Spot (90%)	Hot Spot (90%)
Cold Spot (95%)	Hot Spot (95%)
Cold Spot (99%)	Hot Spot (99%)



This hot spot analysis was conducted on case data adjusted by the total population of the ZIP code. When using adjusted data, the west shows a stronger cold spot trend while north-eastern Pennsylvania (counties like Carbon, Monroe, and Pike) now show as hot spots.



PennState
Harrisburg

Pennsylvania
State Data Center

PA Department of Health NEDSS
COVID-19 Case Rates by Zip Code

Obtained from PEMA ArcGIS Online Web Map as of 04/22/2020