**App description:**

This dashboard visualizes the change in school attendance for each month in 2020 compared to 2019 for each county in the western United States. Data is also provided for the total COVID-19 cases by county, when available.

**Sample interpretation:**

Month = 4

School Level = All

Variable of interest = % of Schools with >25% decline in visitors

State = California

Interpretation: In Del Norte county, between 90 and 100% of schools saw at least a 25% decline in visitors in April of 2020, compared to April of 2019.

**Variables**

Mean% change in school visitors: average year-over-year change in school attendance. Negative change indicates a decline, positive change indicates an increase in attendance compared to the same month in the previous year.

share\_all\_closed\_25 (50, 75): at least a 25%, 50%, or 75% decline in school attendance compared to the same month in the previous year.

share\_elem\_closed\_25 (50, 75): at least a 25%, 50%, or 75% decline in elementary school attendance compared to the same month in the previous year.

share\_middlehigh\_closed\_25 (50, 75): at least a 25%, 50%, or 75% decline in elementary school attendance compared to the same month in the previous year.

Citation:

Parolin, Z., Lee, E.K. (2021) Large socio-economic, geographic and demographic disparities exist in exposure to school closures. Nature Human Behaviour. https://doi.org/10.1038/s41562- 021-01087-8