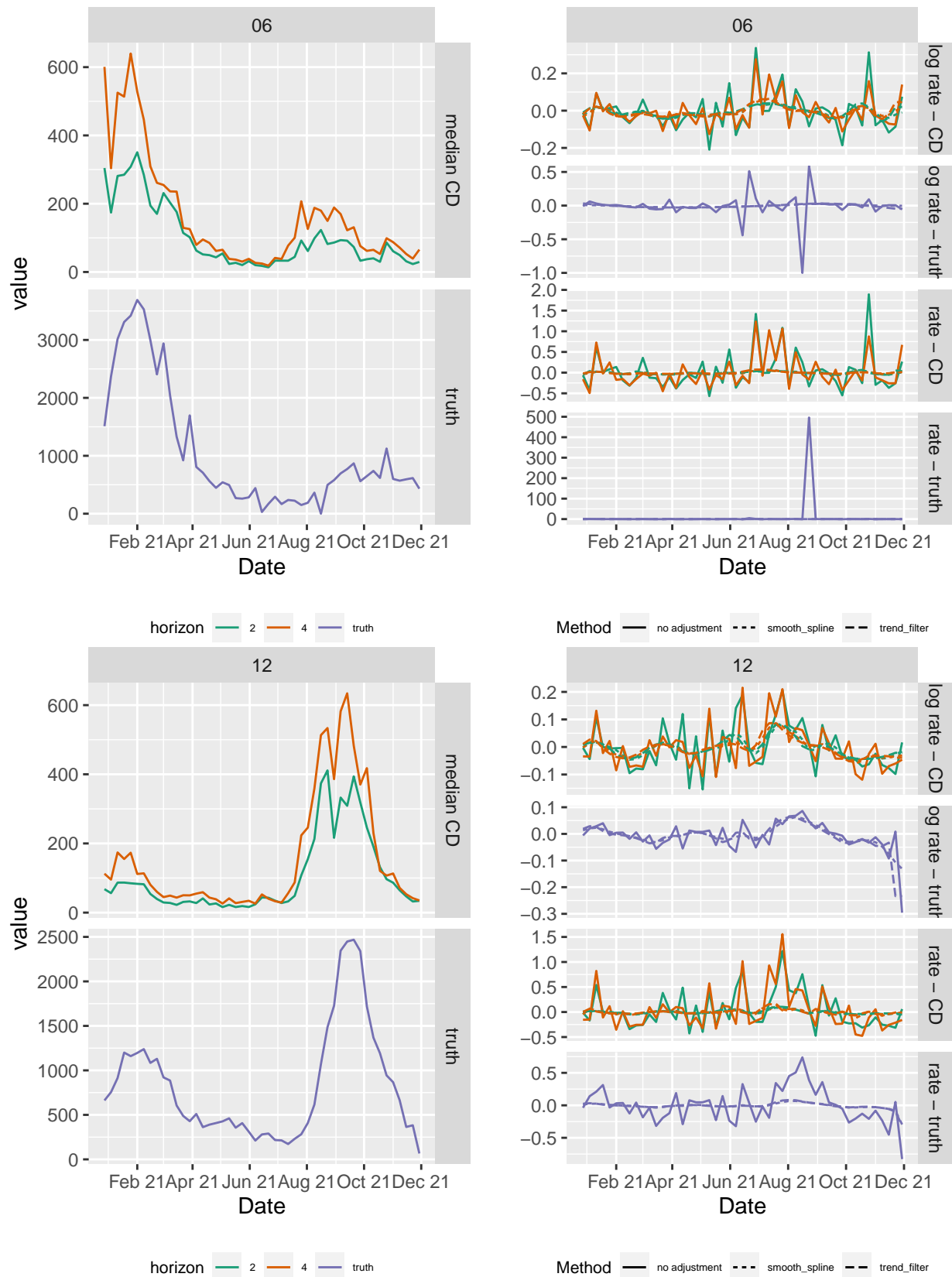


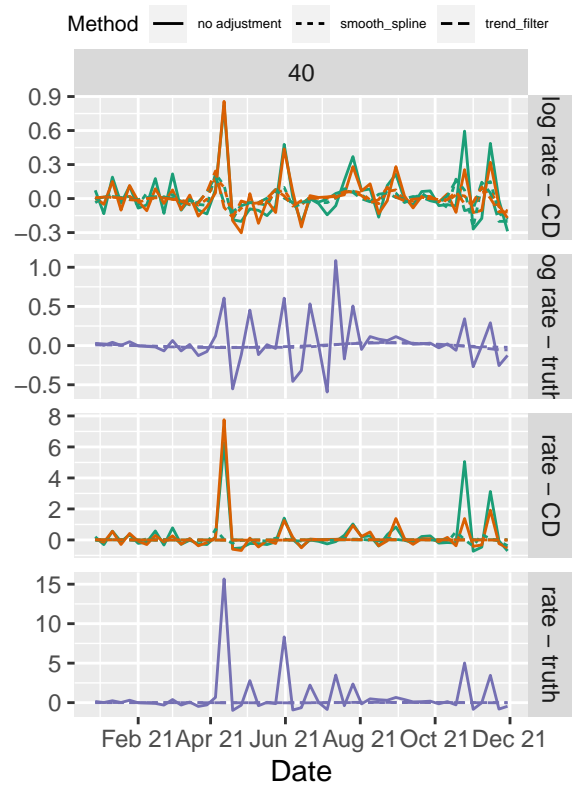
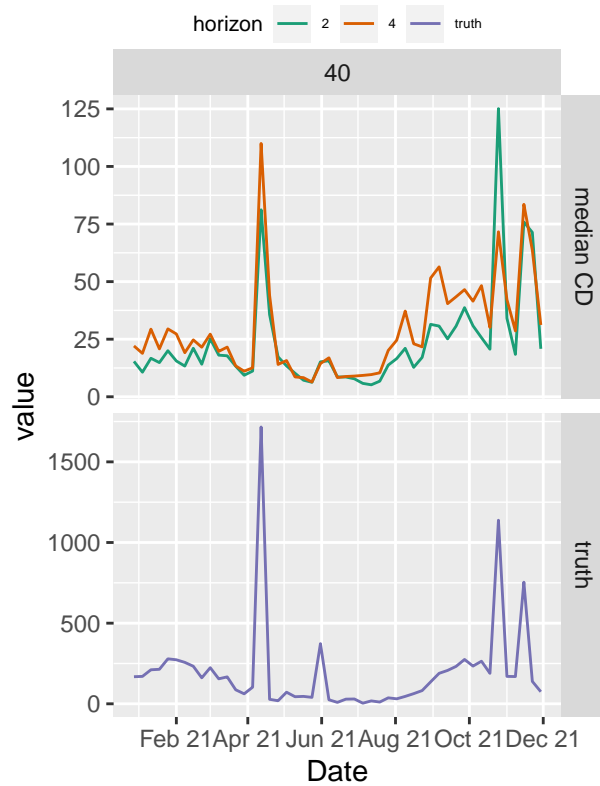
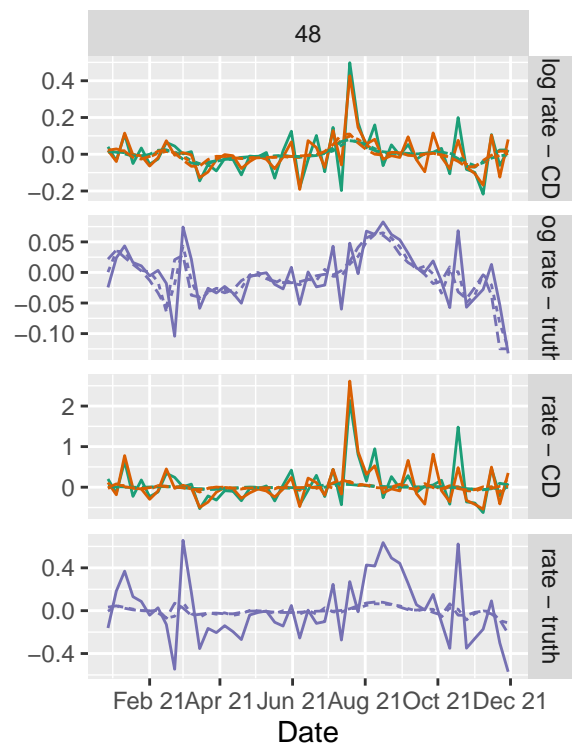
Distance as a signal

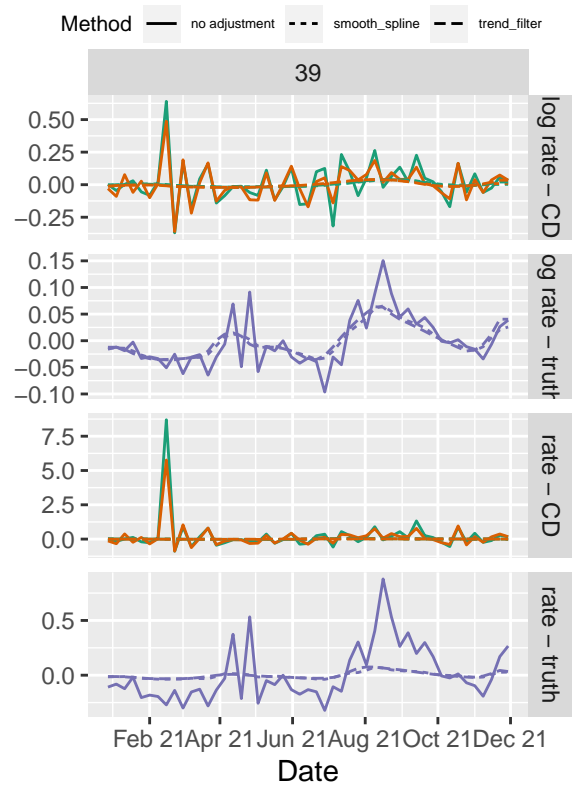
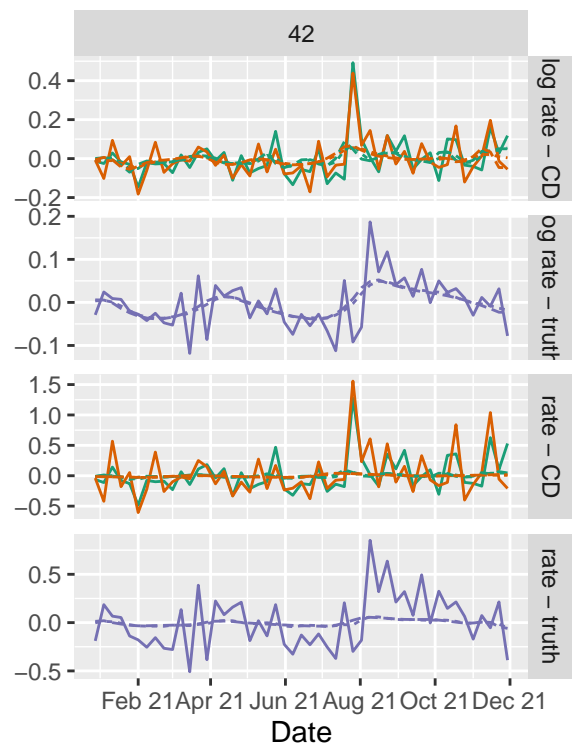
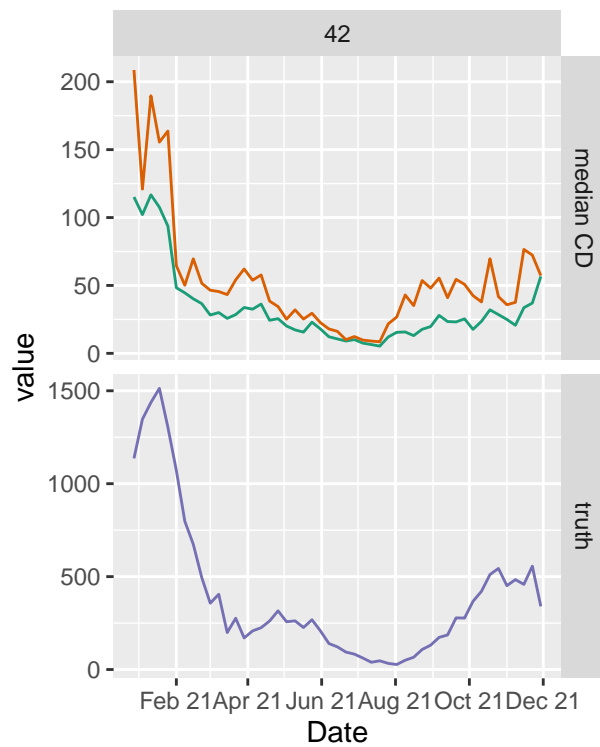
Nutcha Wattanachit, Johannes Bracher, Evan Ray, Nick Reich

05/13/2022

Plots - with no adjustment included (no preprocessing of rate)

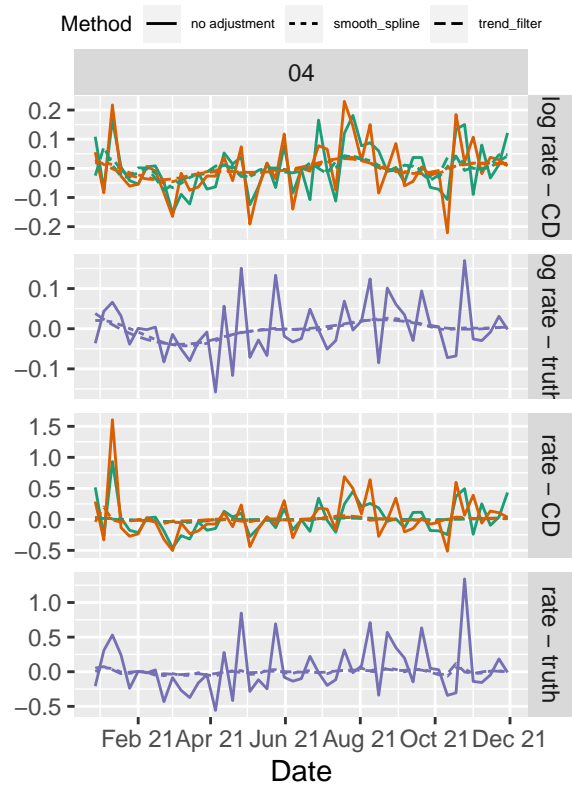
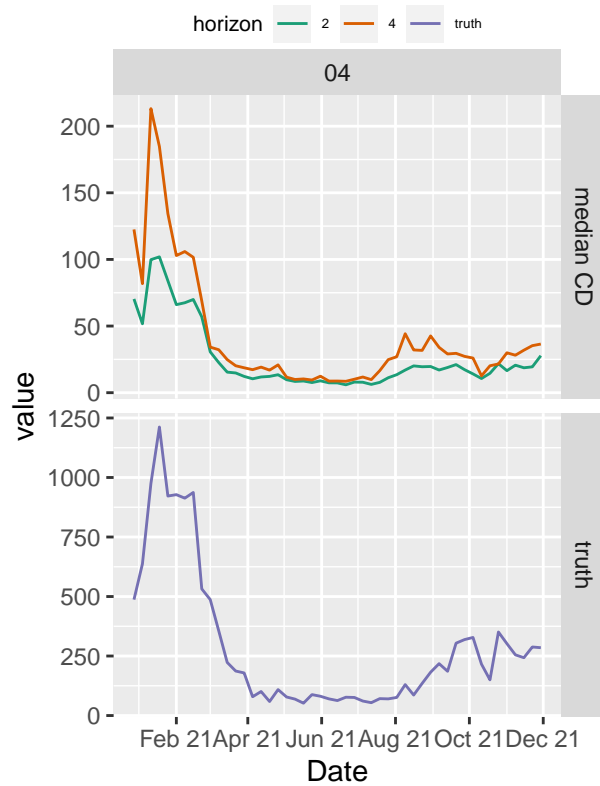
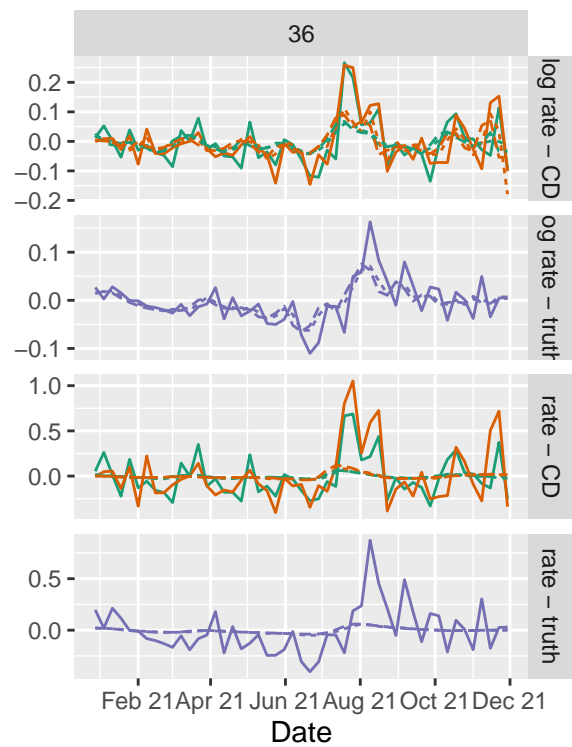
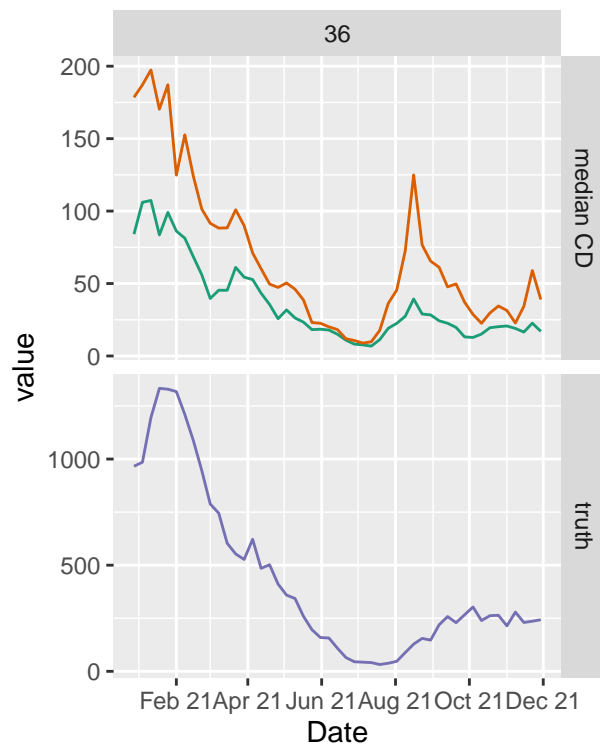






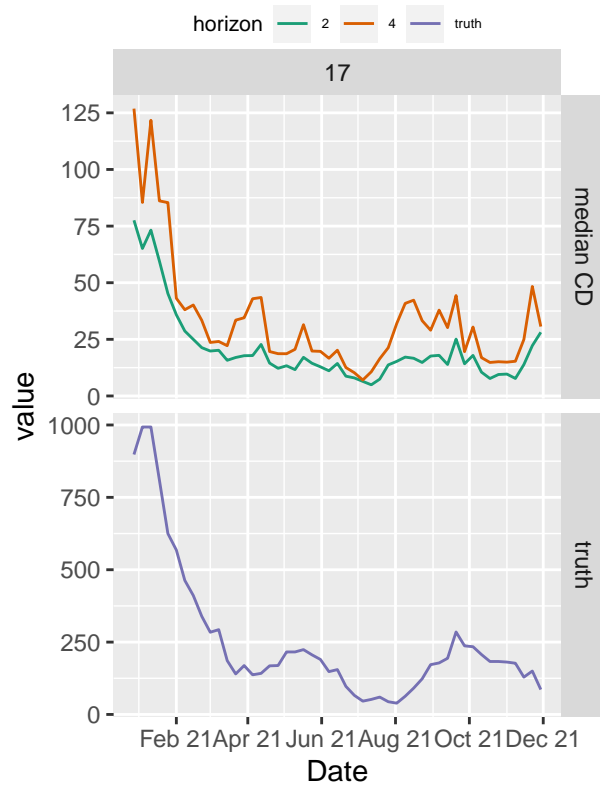
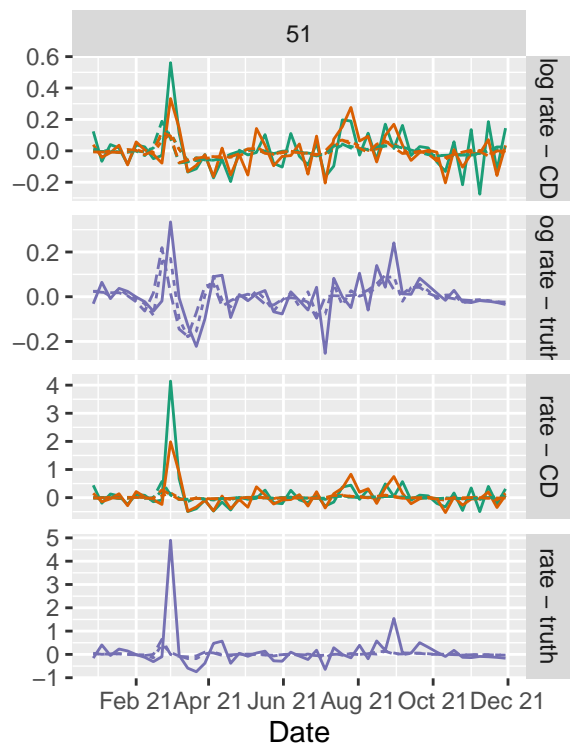
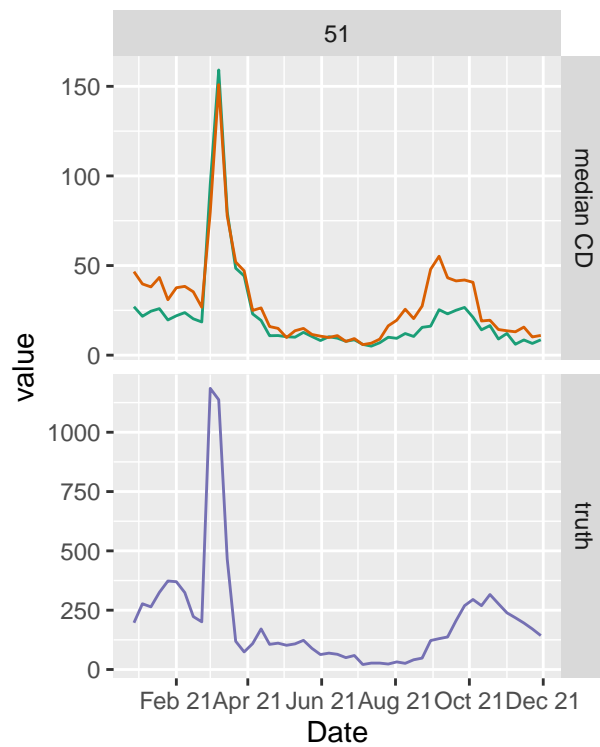
horizon 2 4 truth

Method no adjustment smooth_spline trend_filter



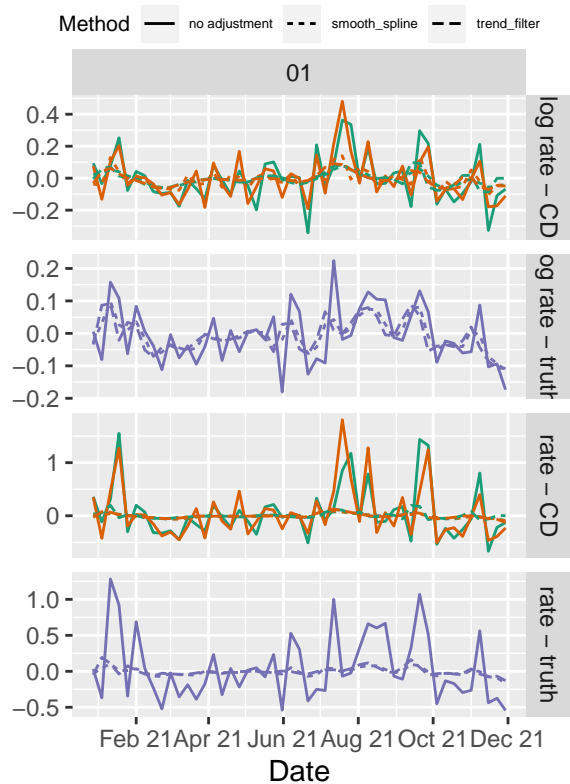
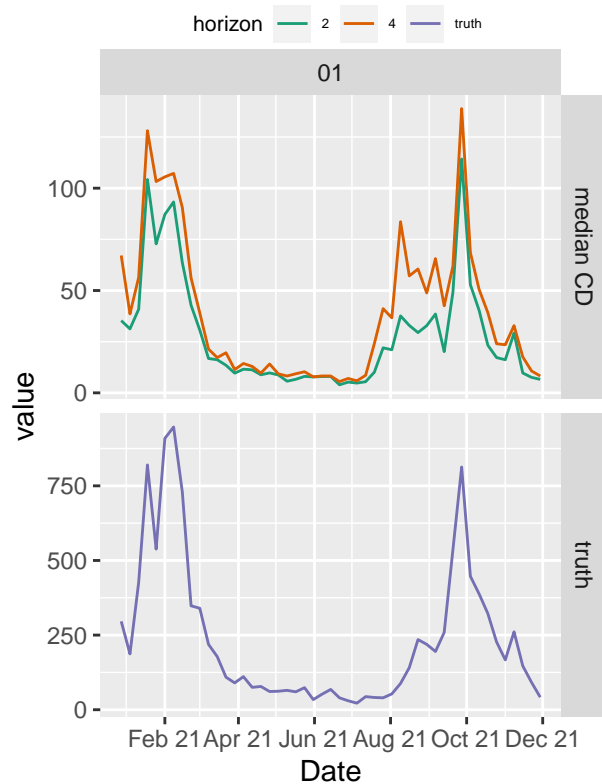
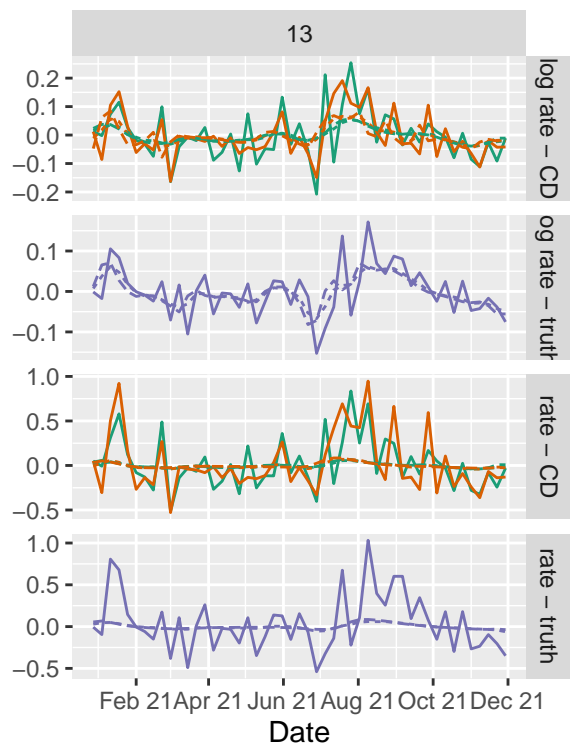
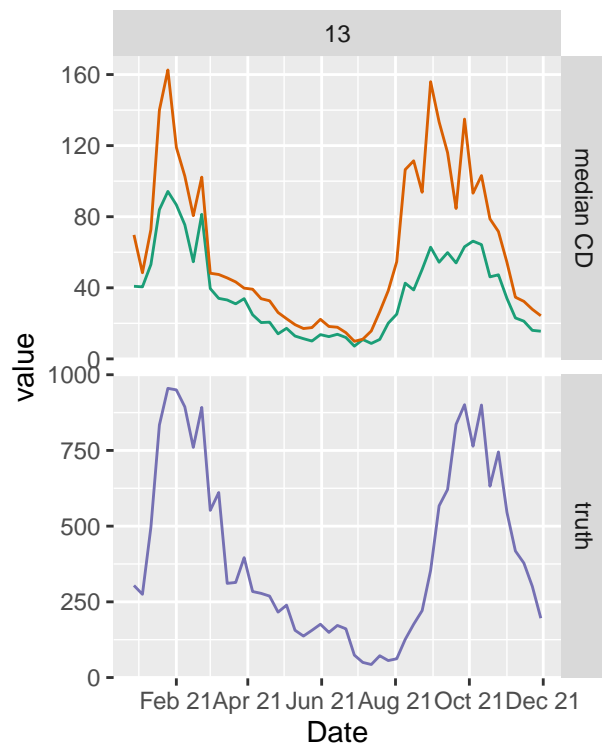
horizon 2 4 truth

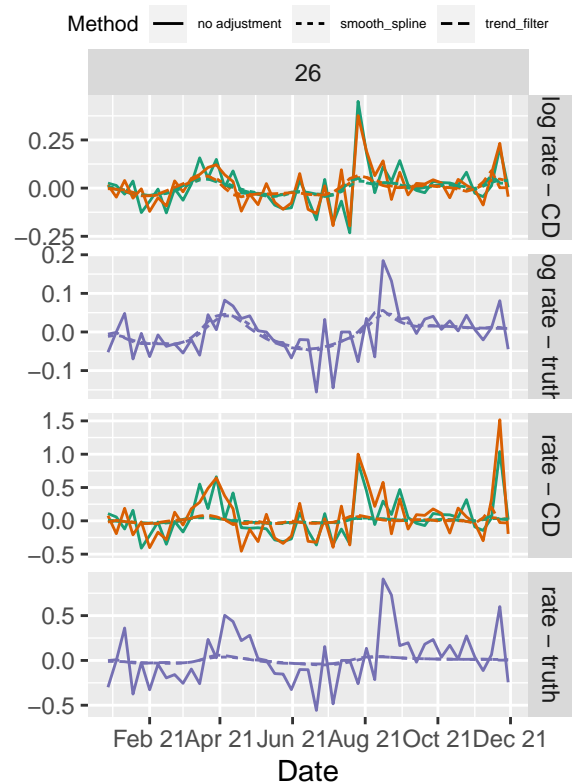
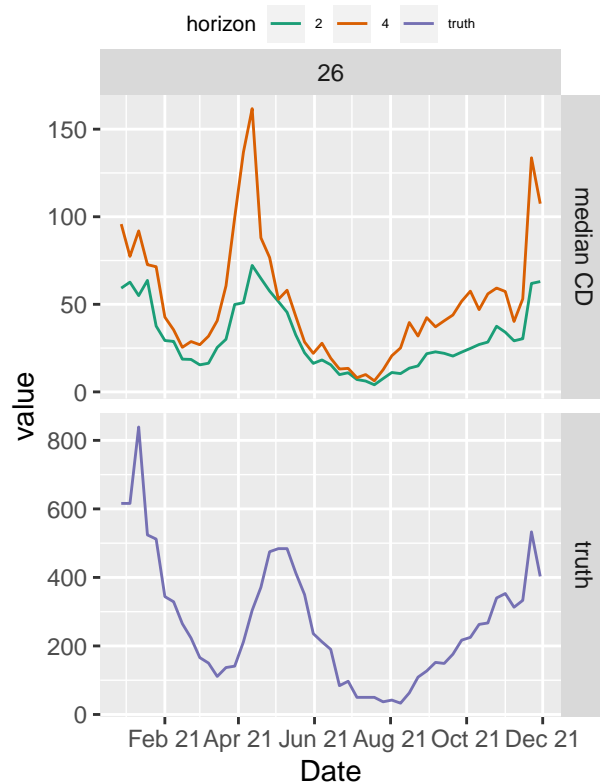
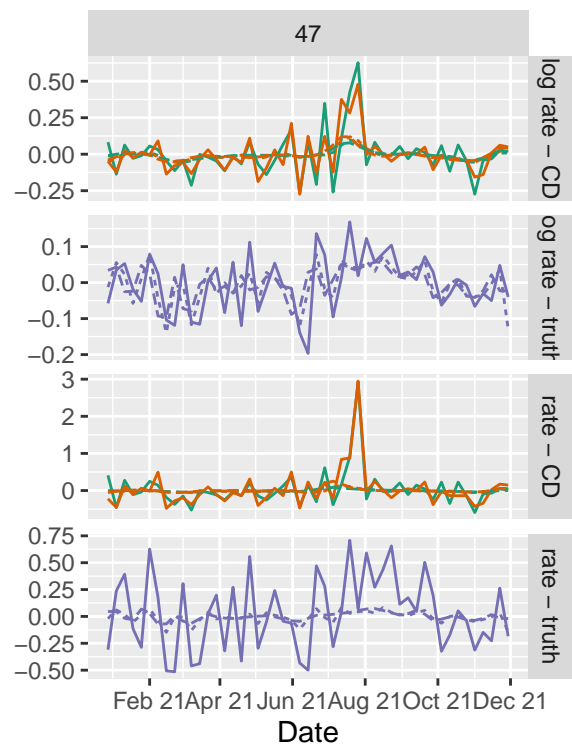
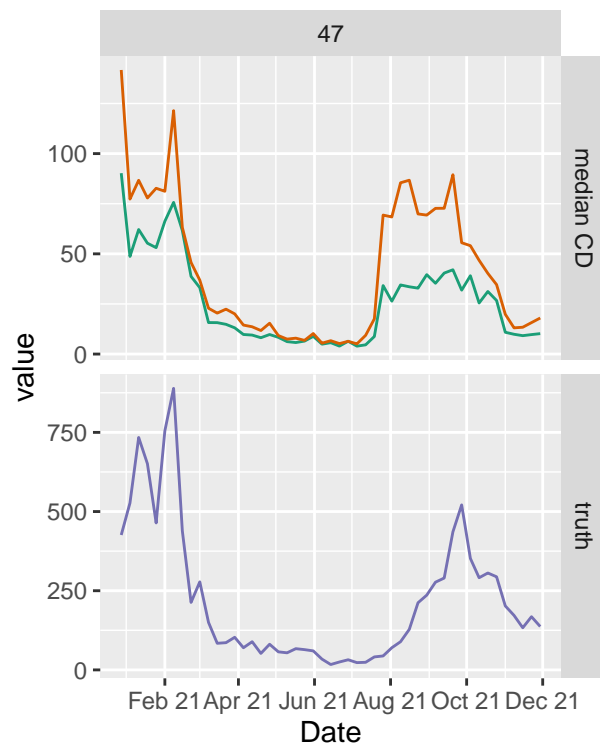
Method no adjustment smooth_spline trend_filter

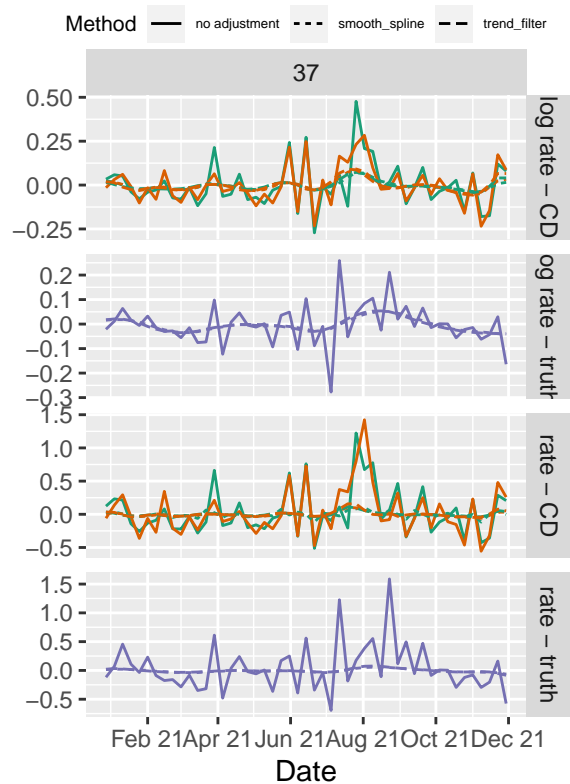
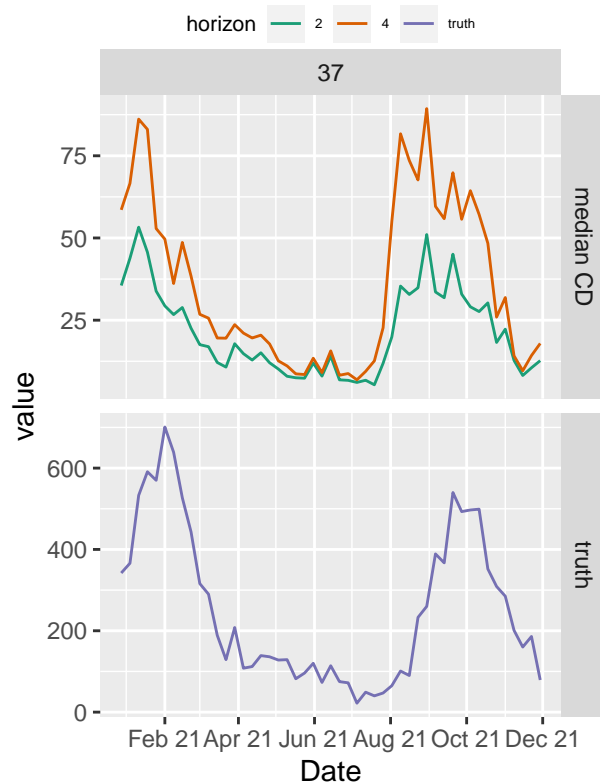
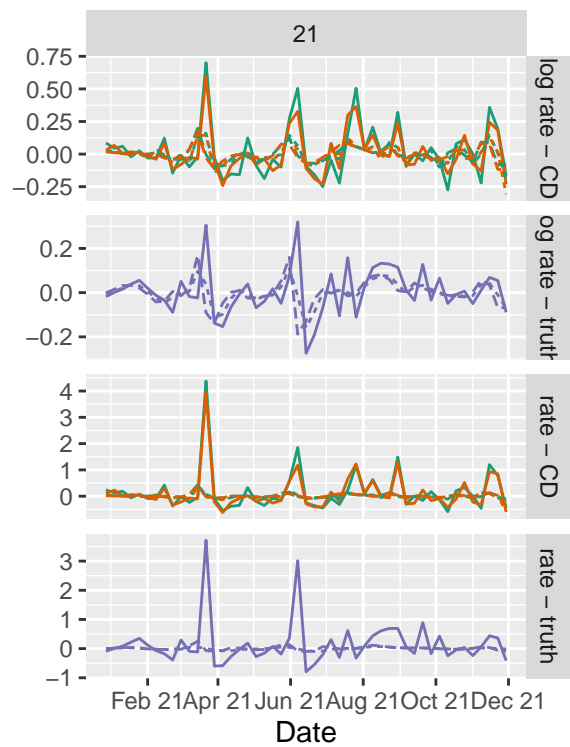
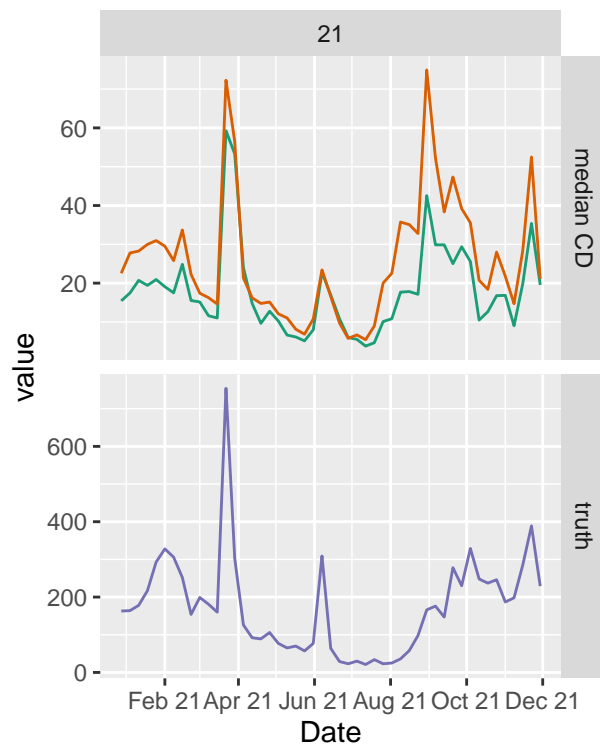


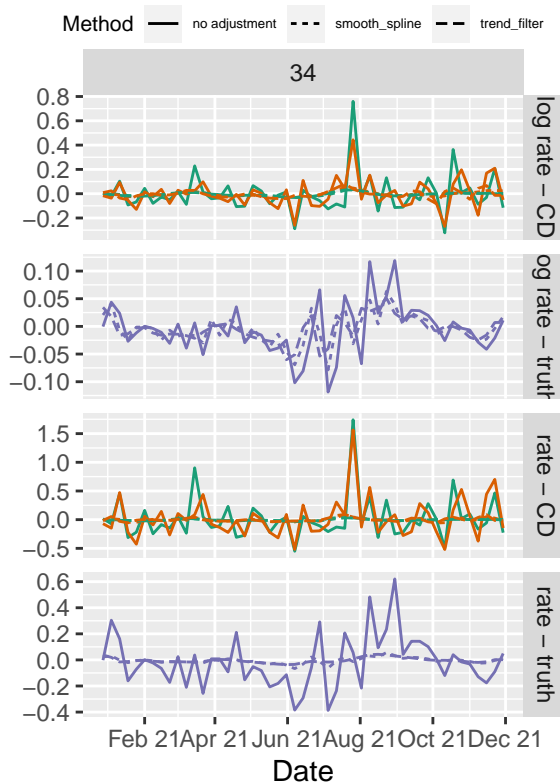
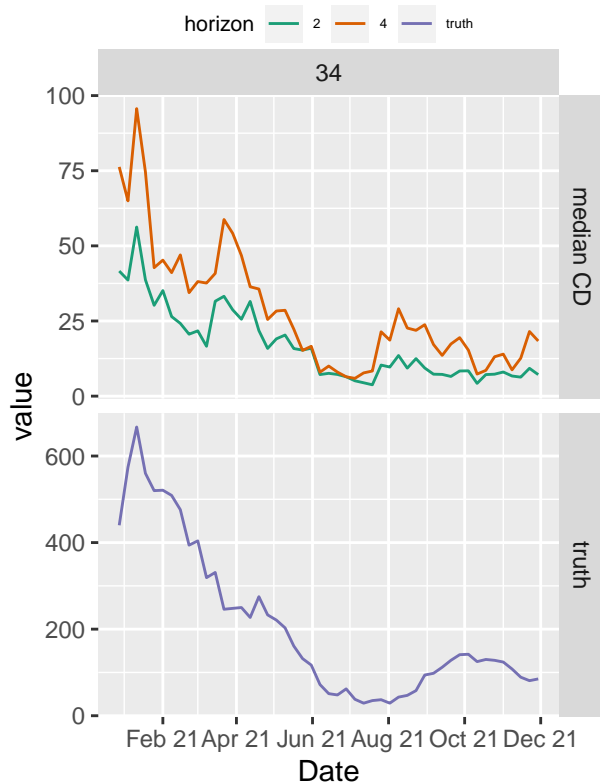
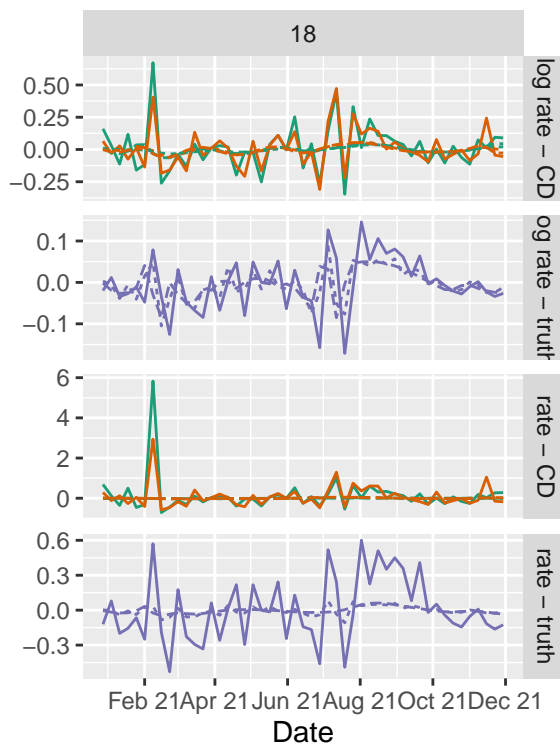
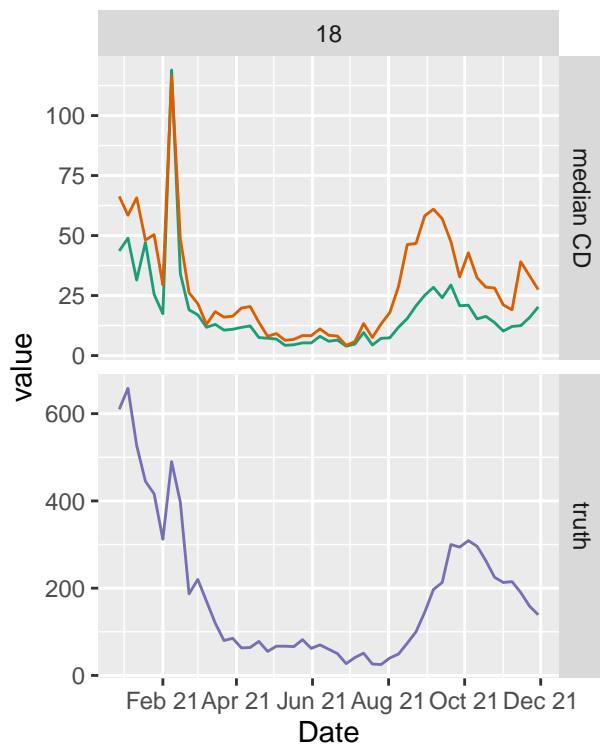
horizon 2 4 truth

Method no adjustment smooth_spline trend_filter



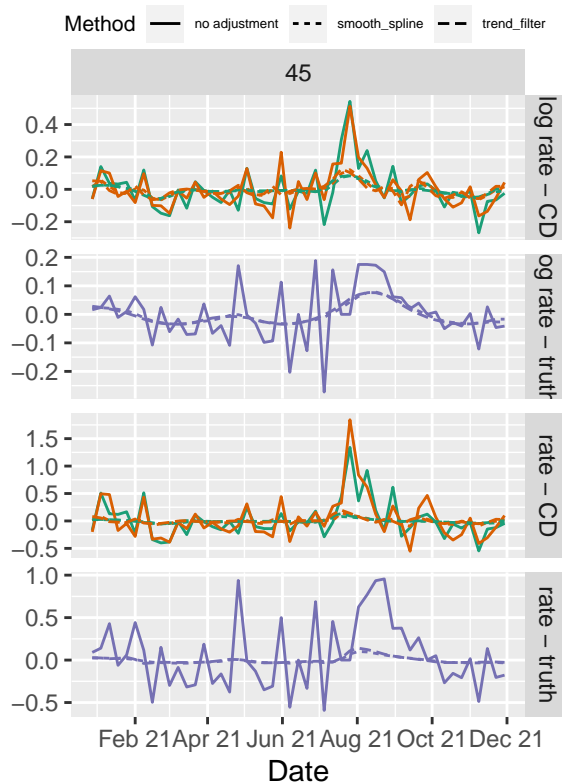
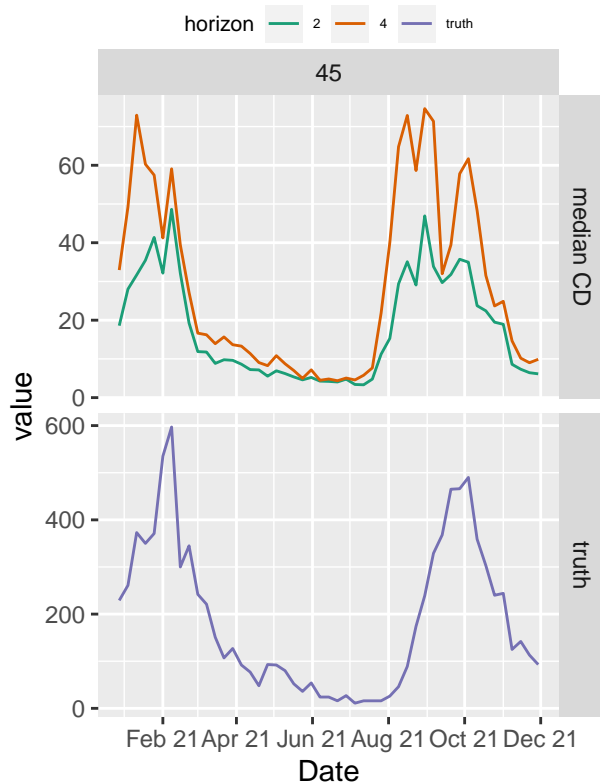
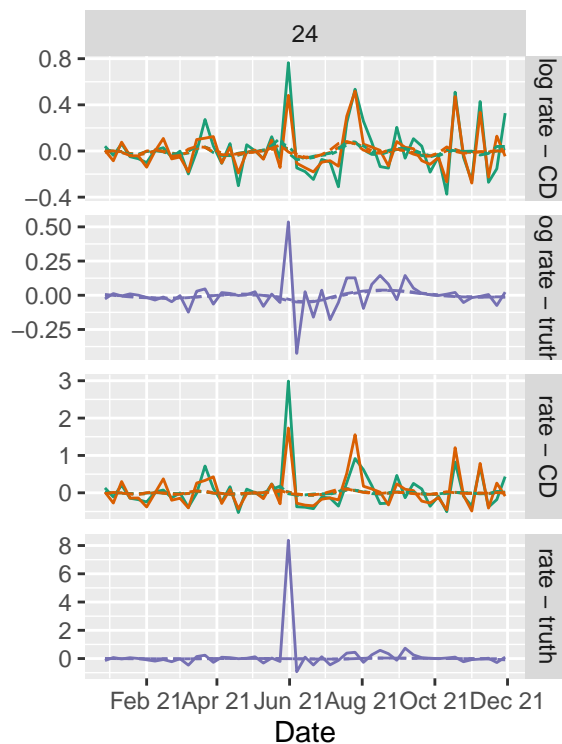
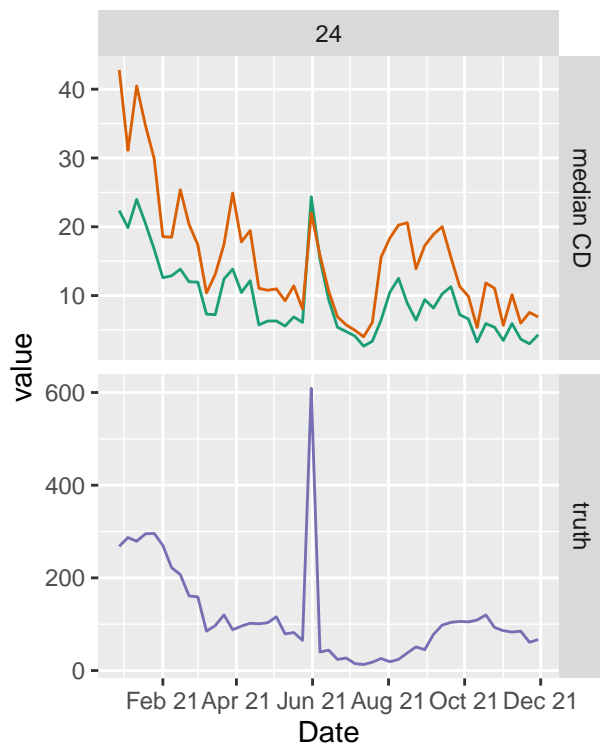






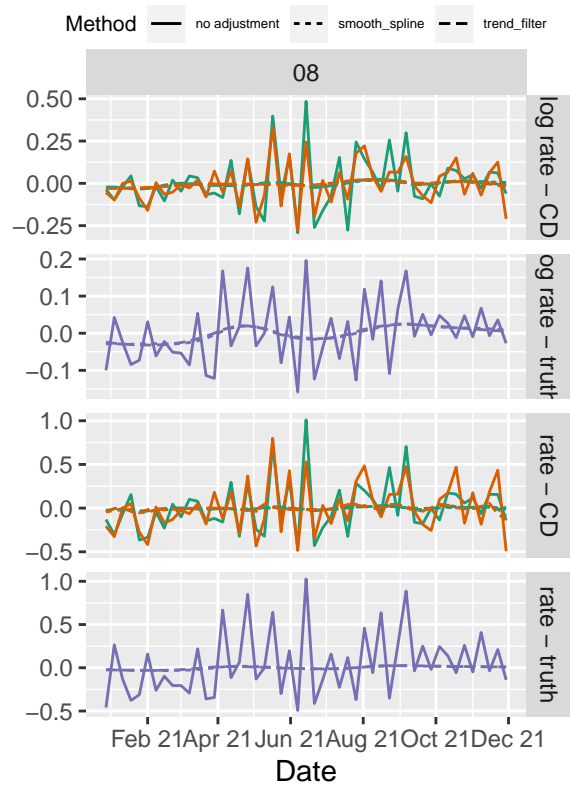
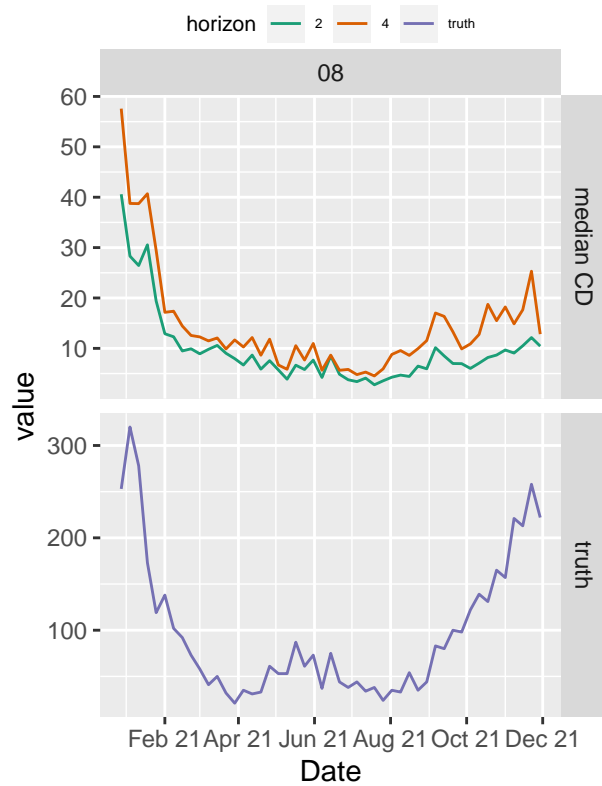
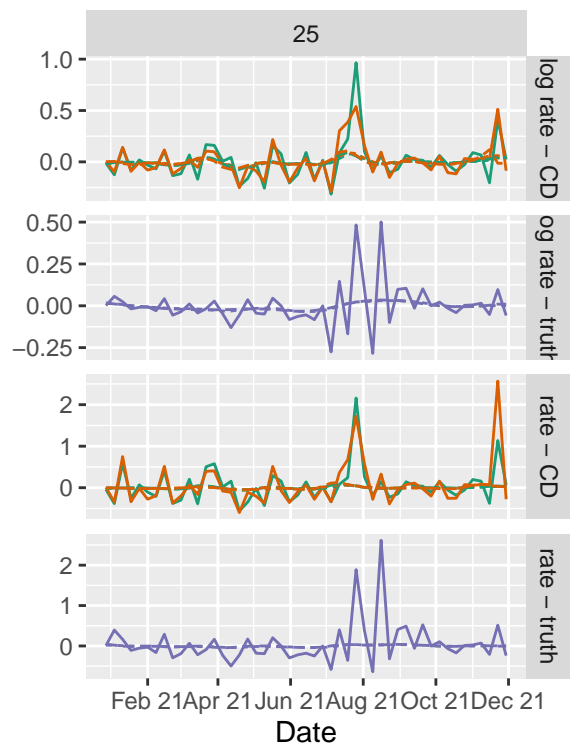
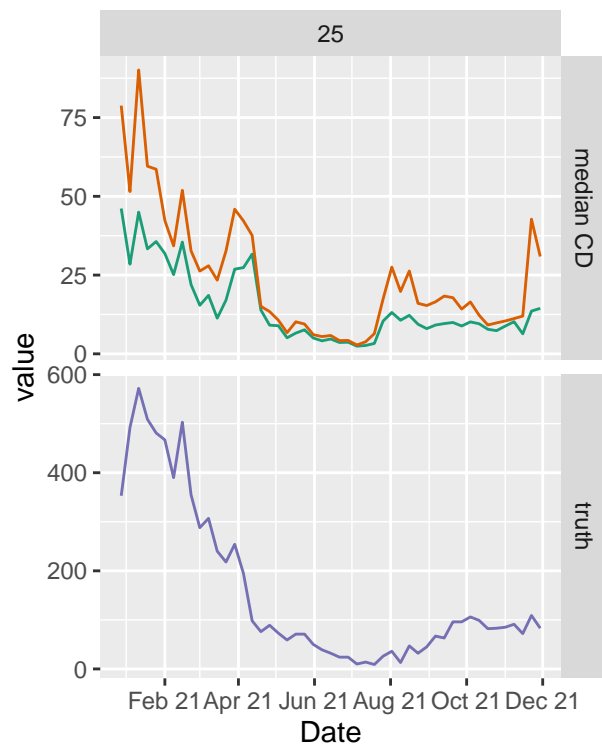
horizon — 2 — 4 — truth

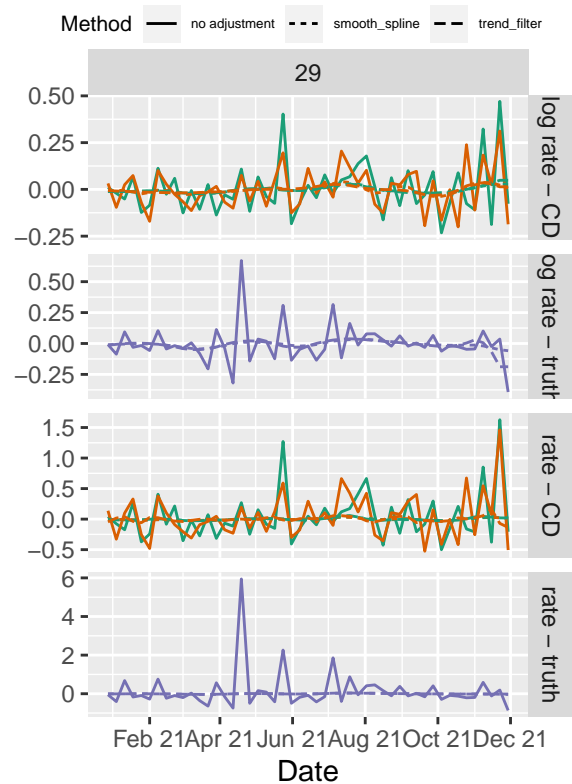
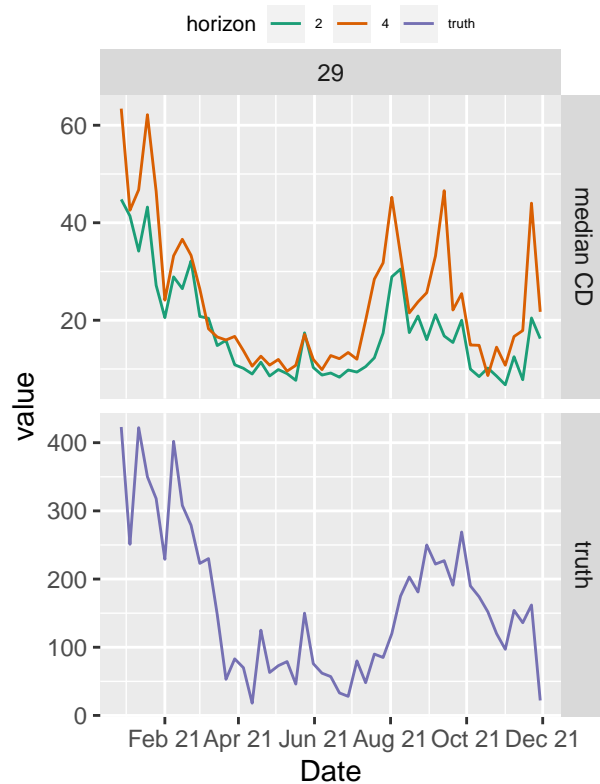
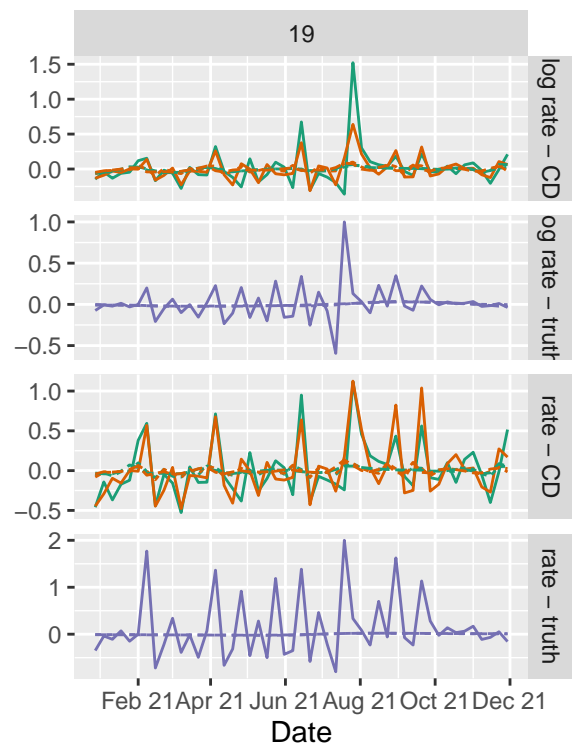
Method — no adjustment - - - smooth_spline - - - trend_filter



horizon — 2 — 4 — truth

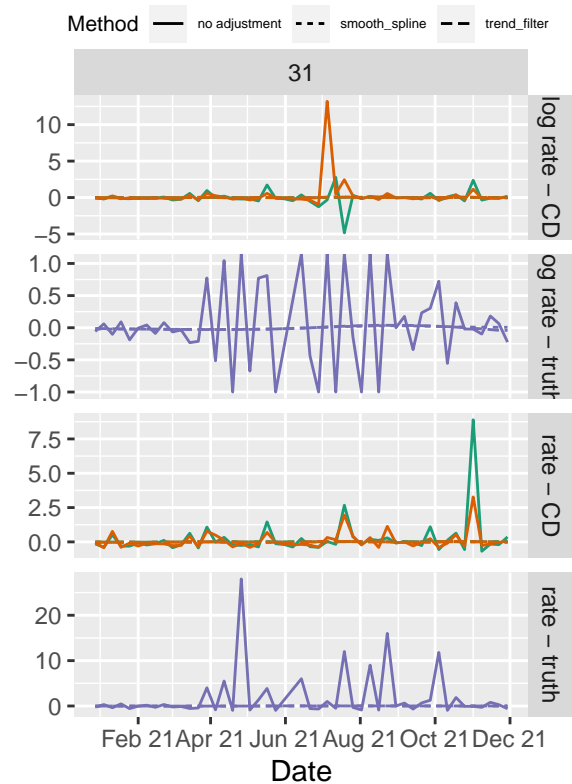
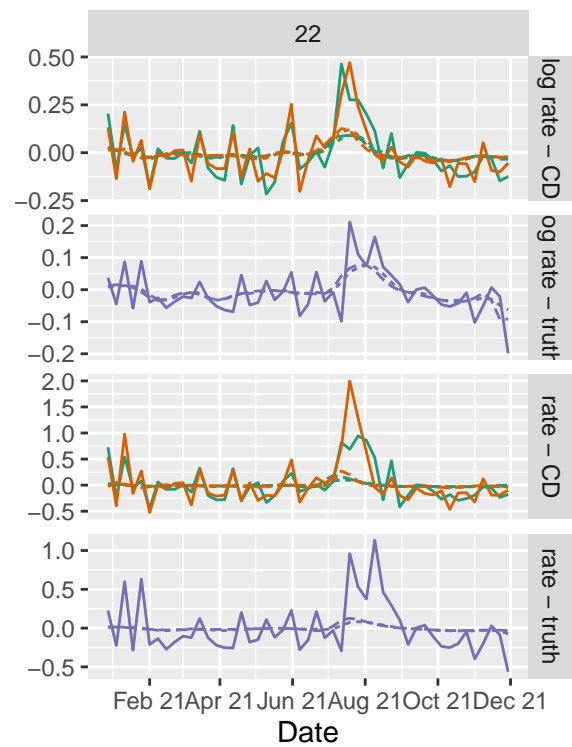
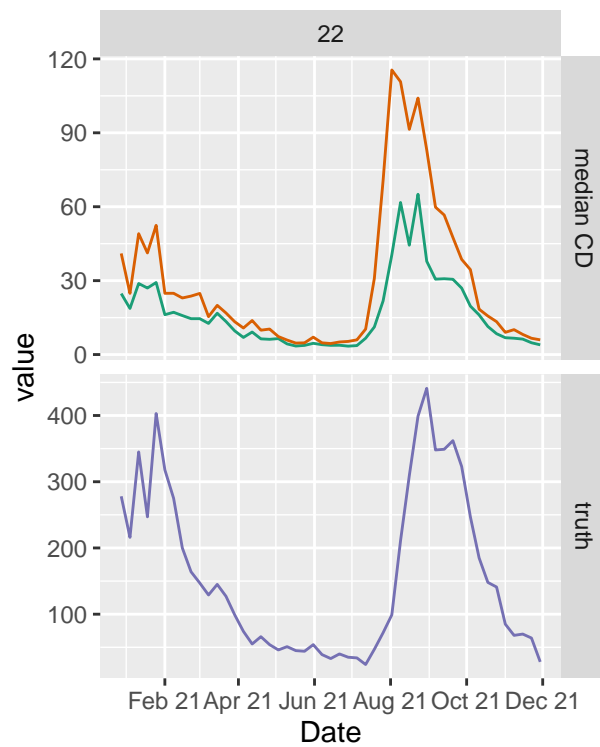
Method — no adjustment - - - smooth_spline - - - trend_filter





horizon — 2 — 4 — truth

Method — no adjustment - - - smooth_spline - - - trend_filter

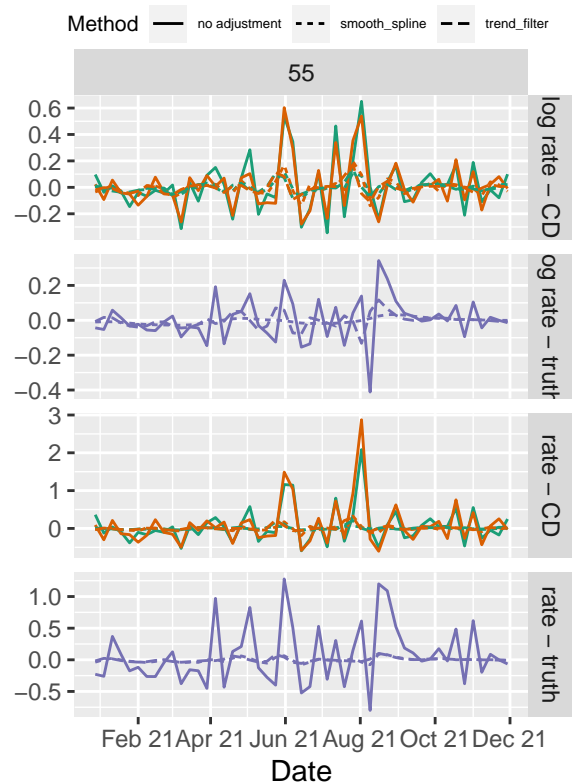
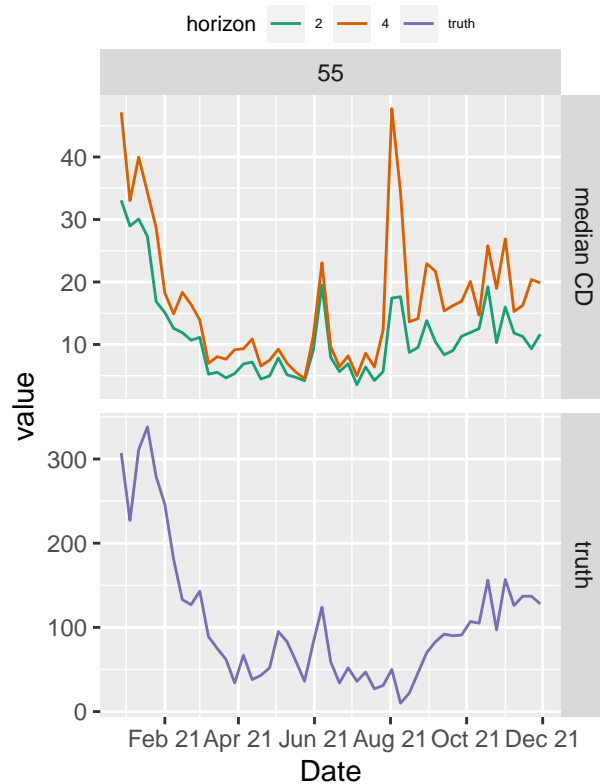
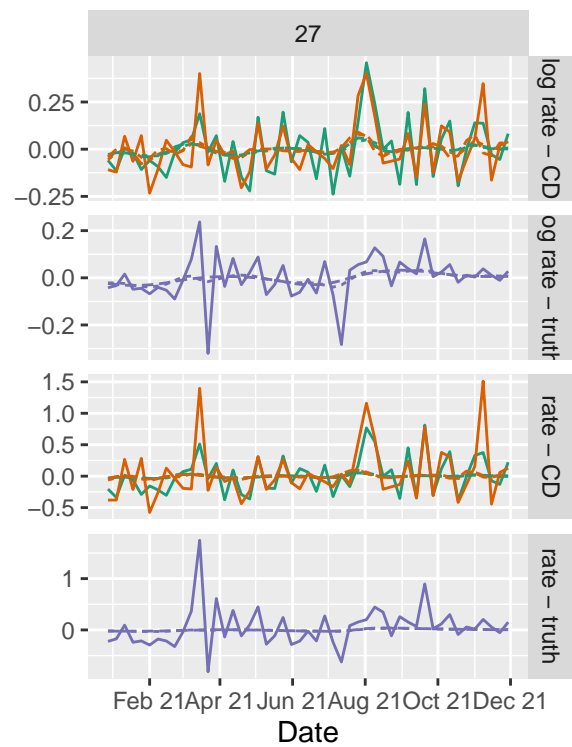
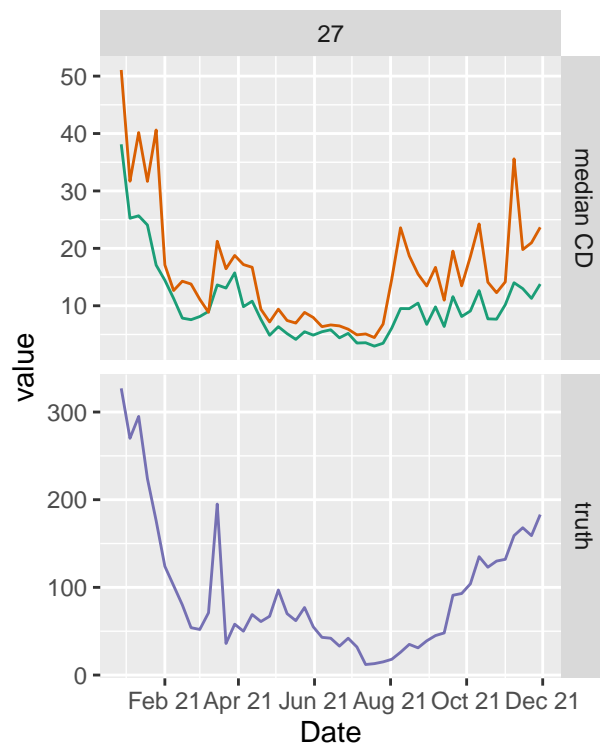


horizon — 2 — 4 — truth

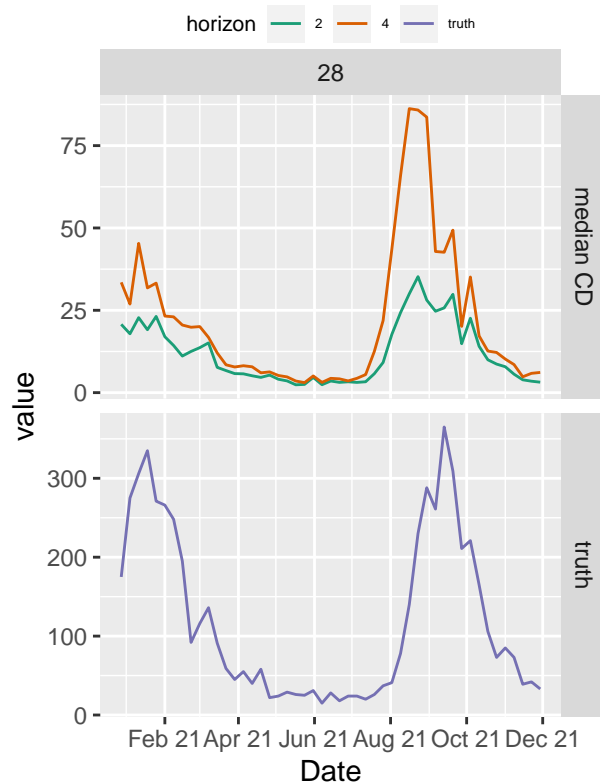
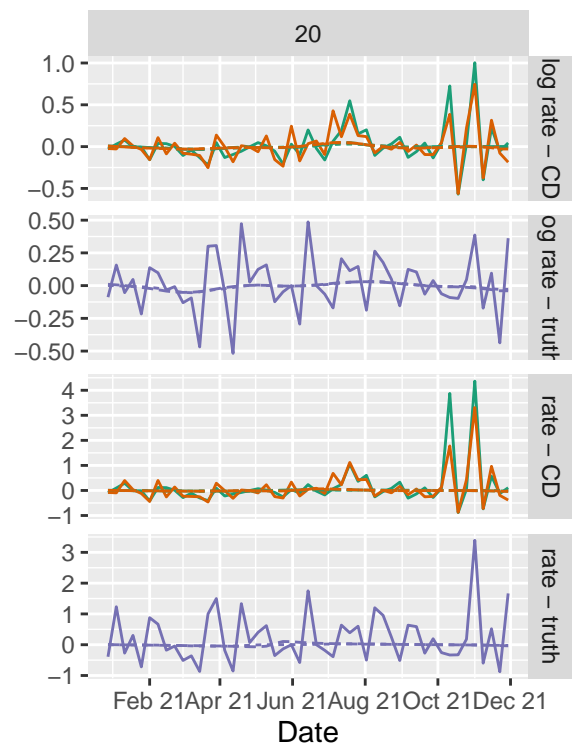
Method — no adjustment - - - smooth_spline - - - trend_filter

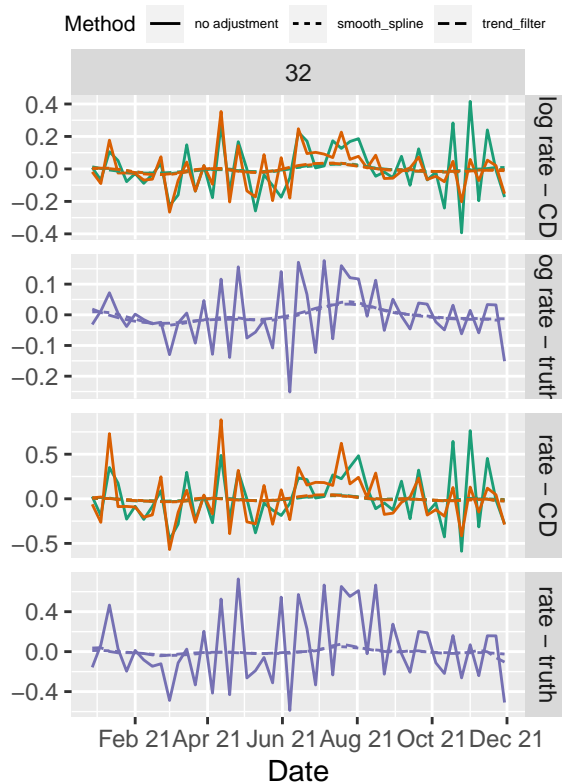
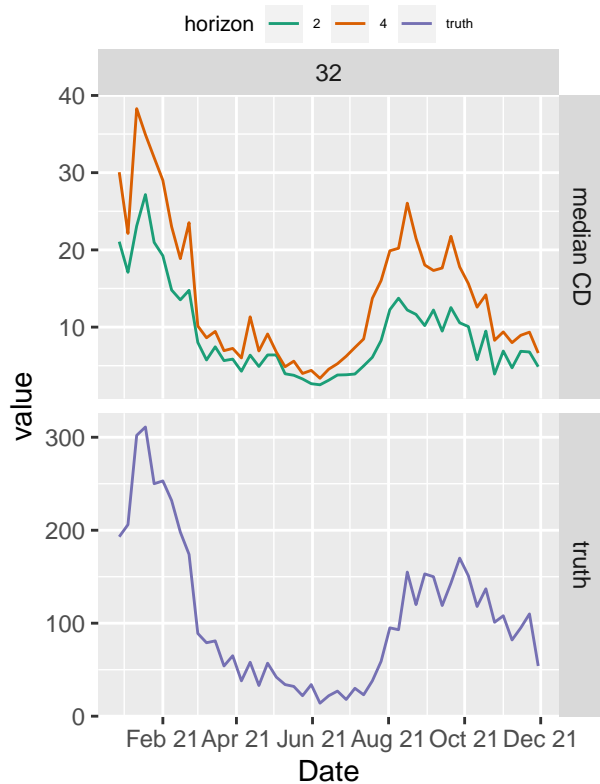
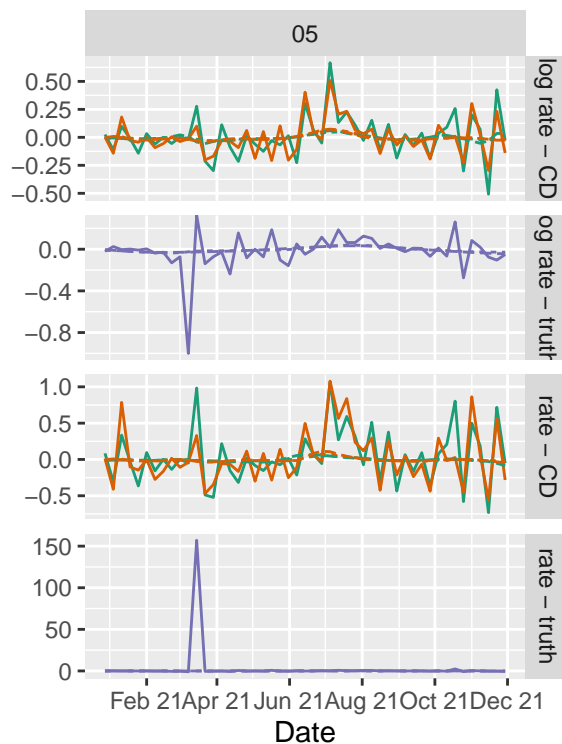
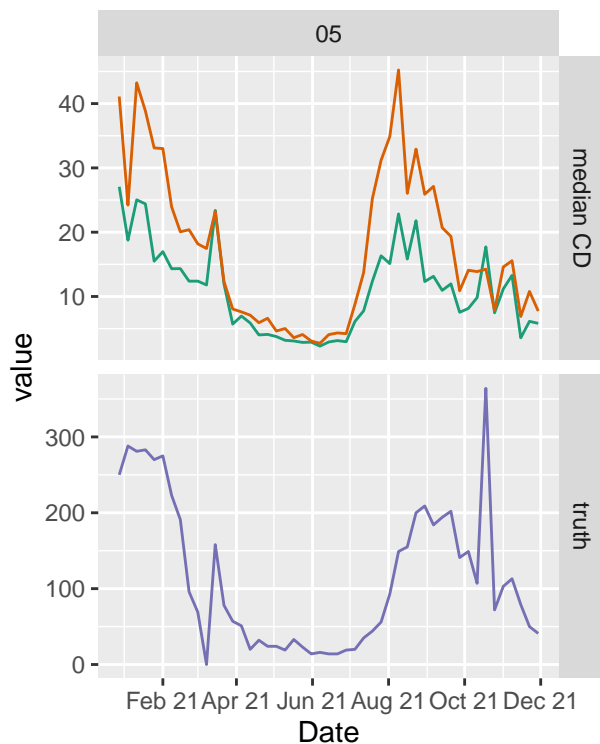
horizon — 2 — 4 — truth

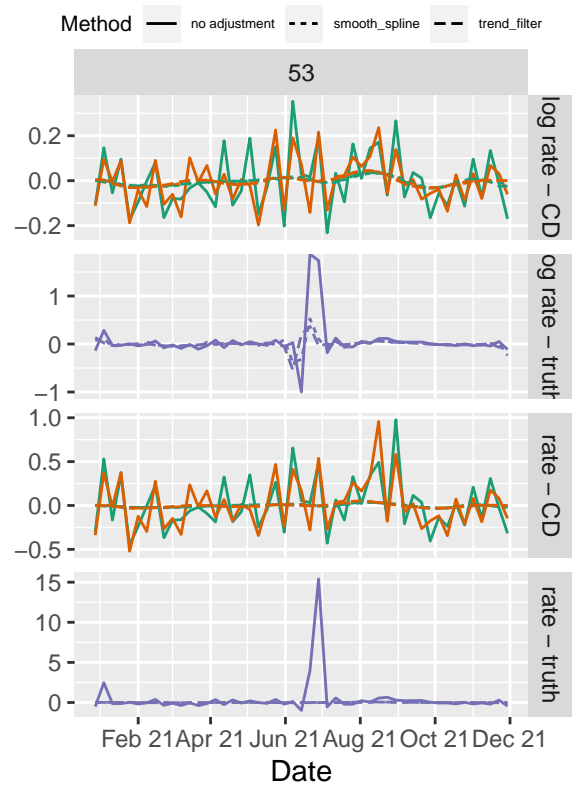
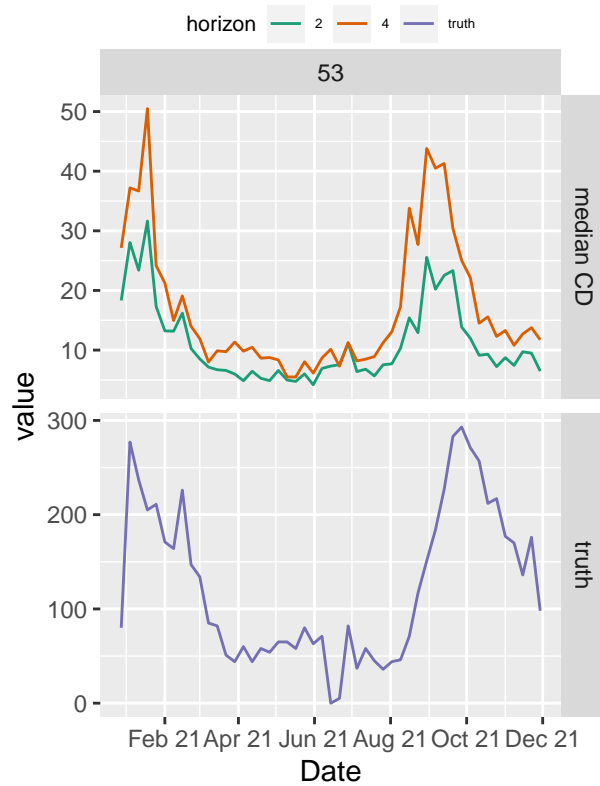
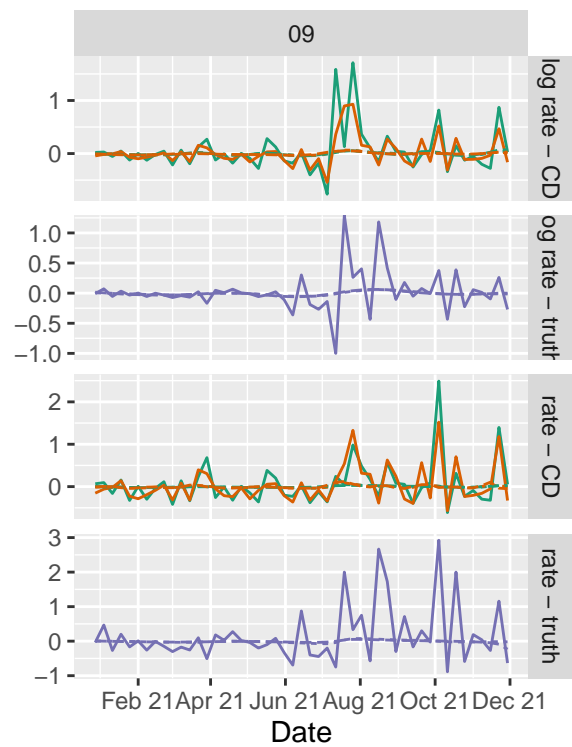
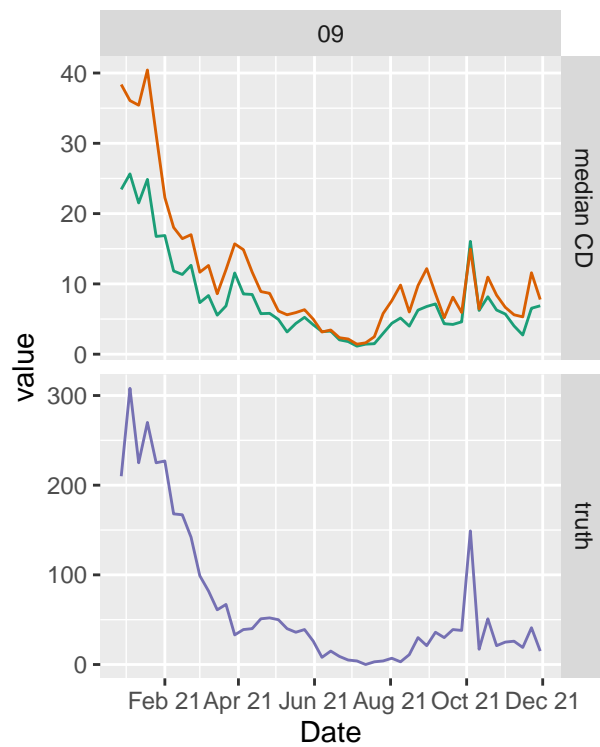
Method — no adjustment - - - smooth_spline - - - trend_filter



Method — no adjustment - - - smooth_spline - - - trend_filter

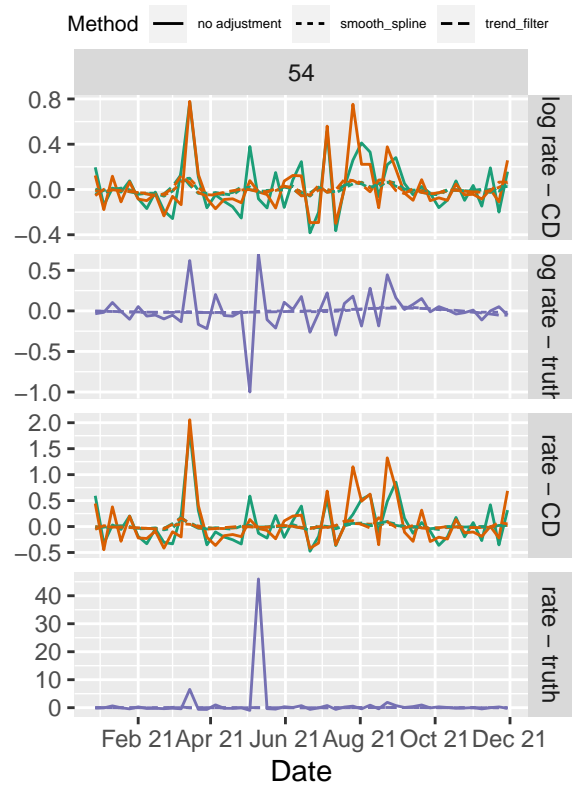
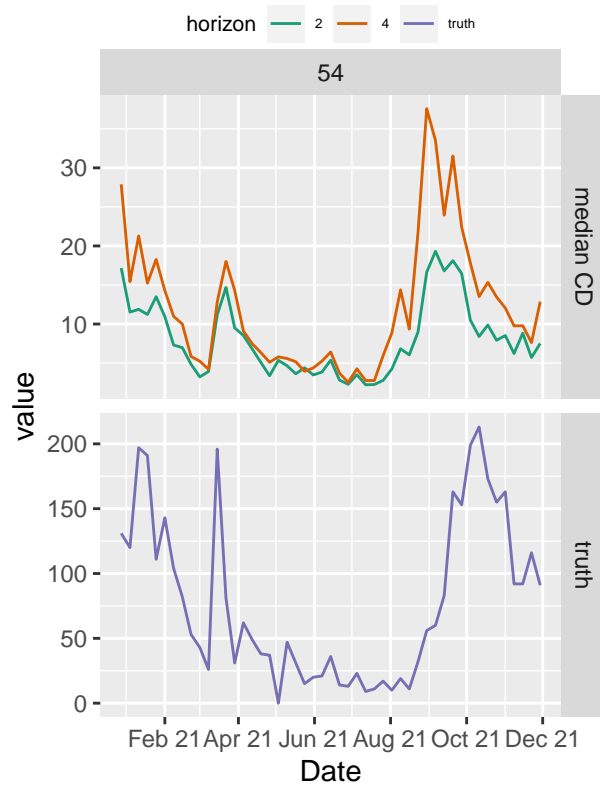
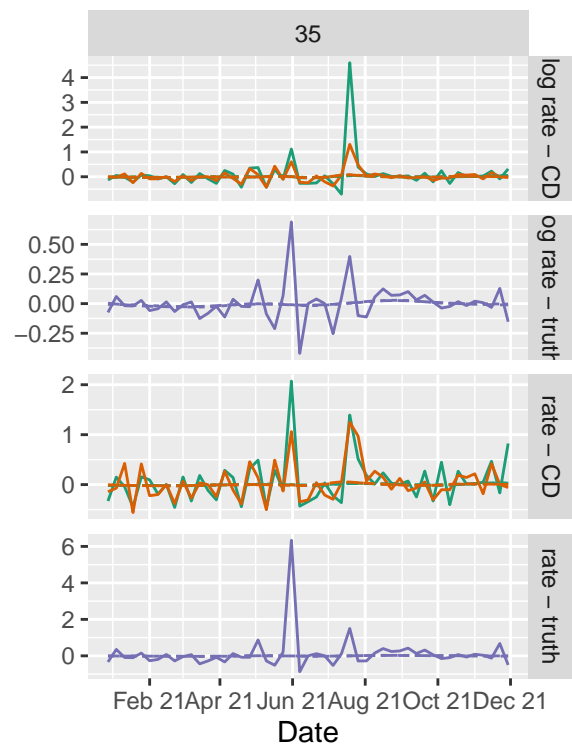
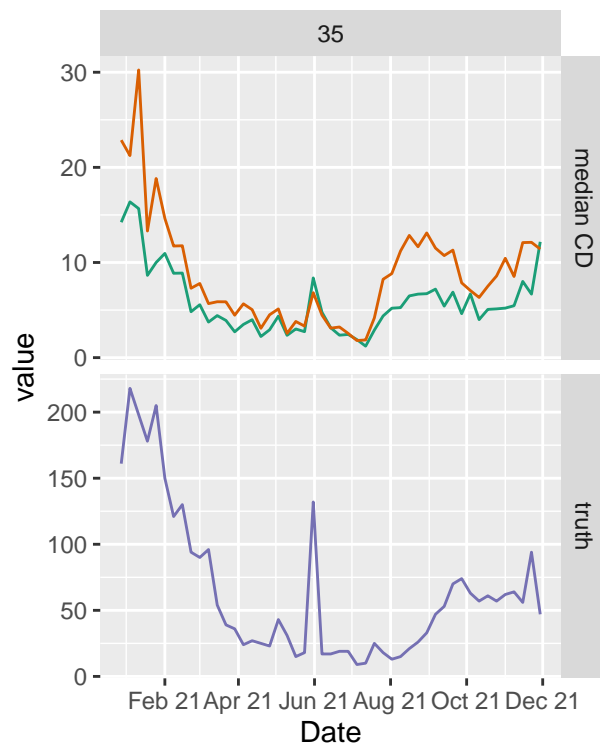


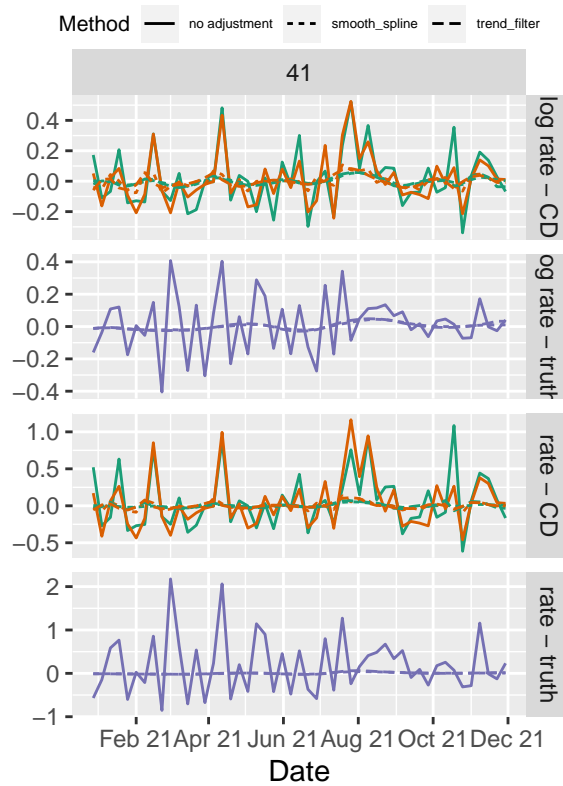
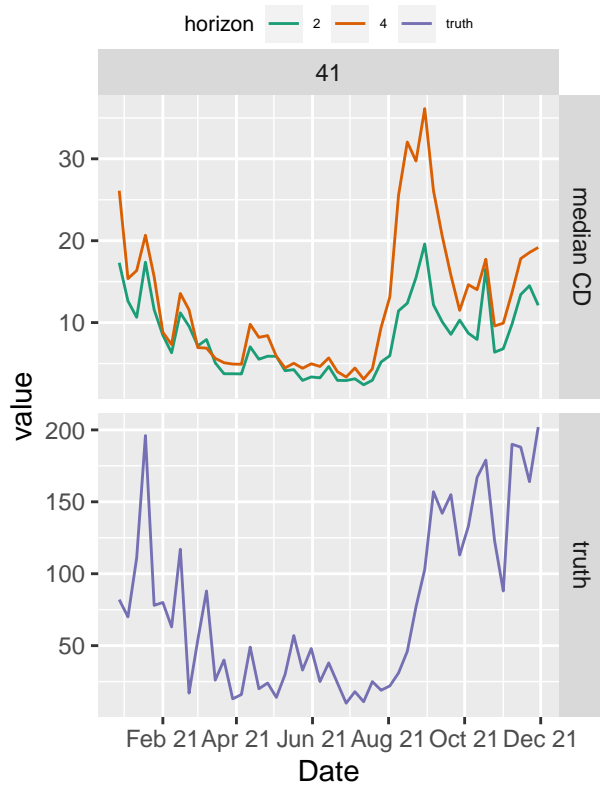
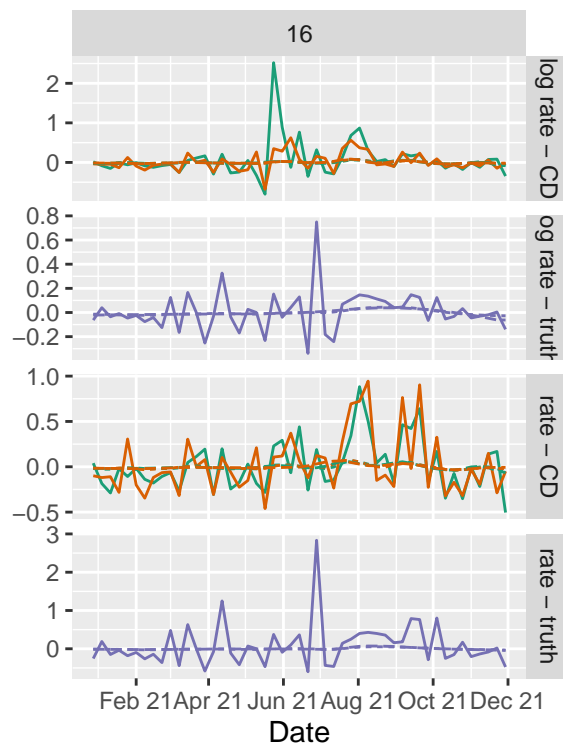
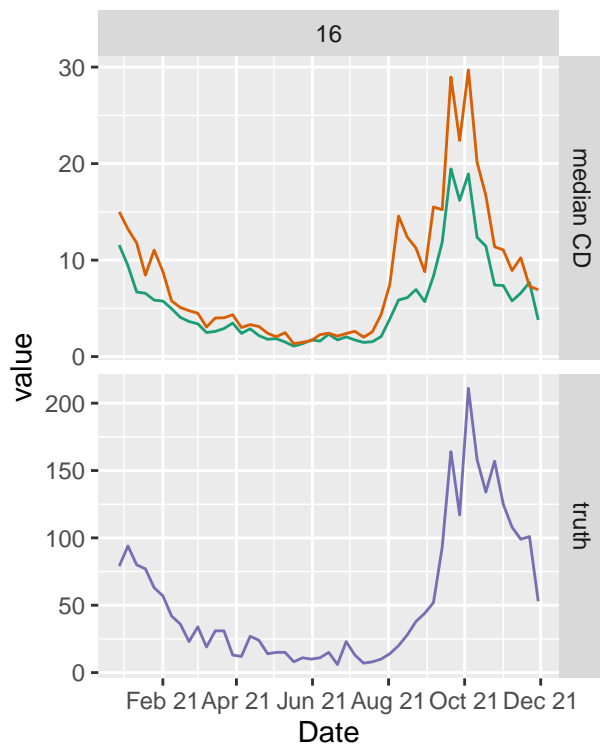


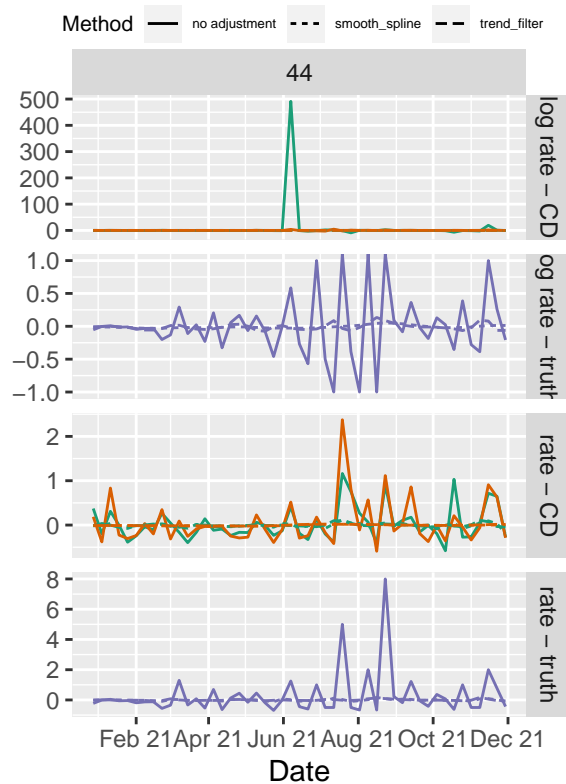
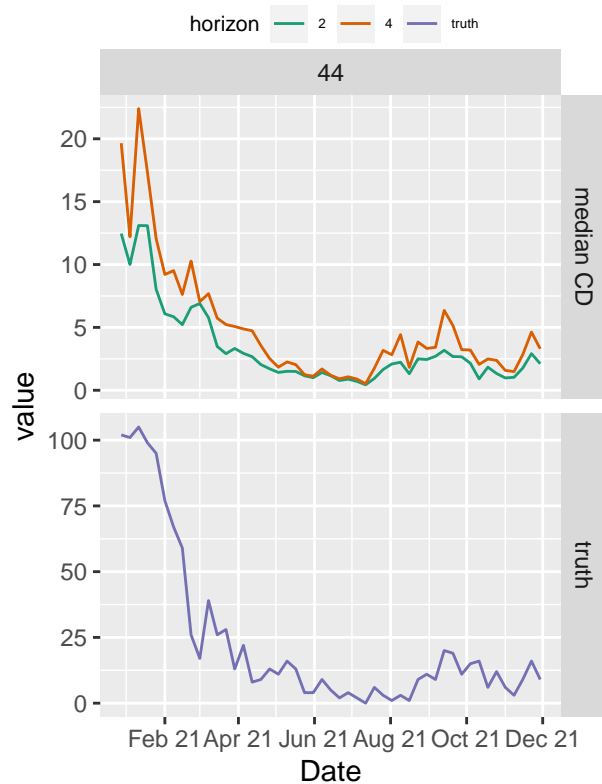
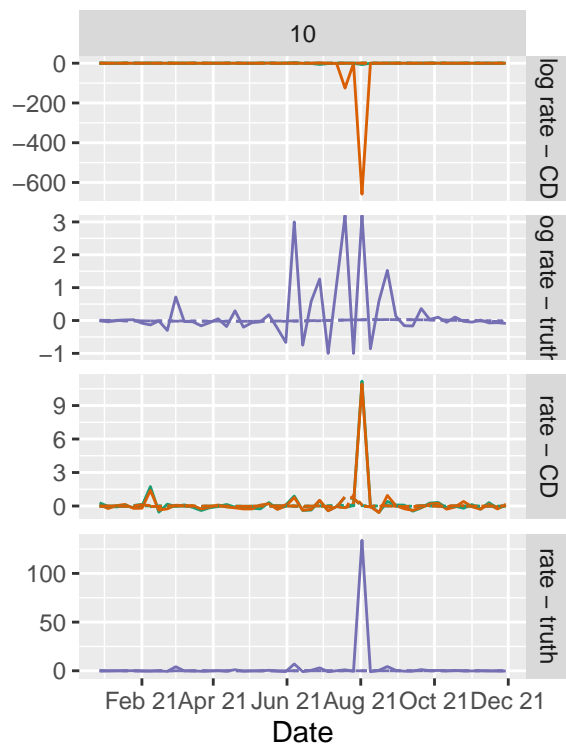


horizon 2 4 truth

Method no adjustment smooth_spline trend_filter

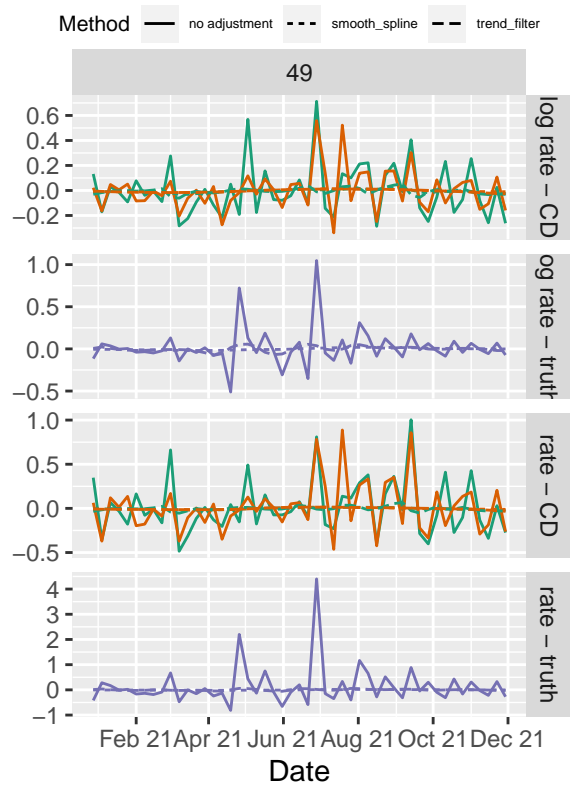
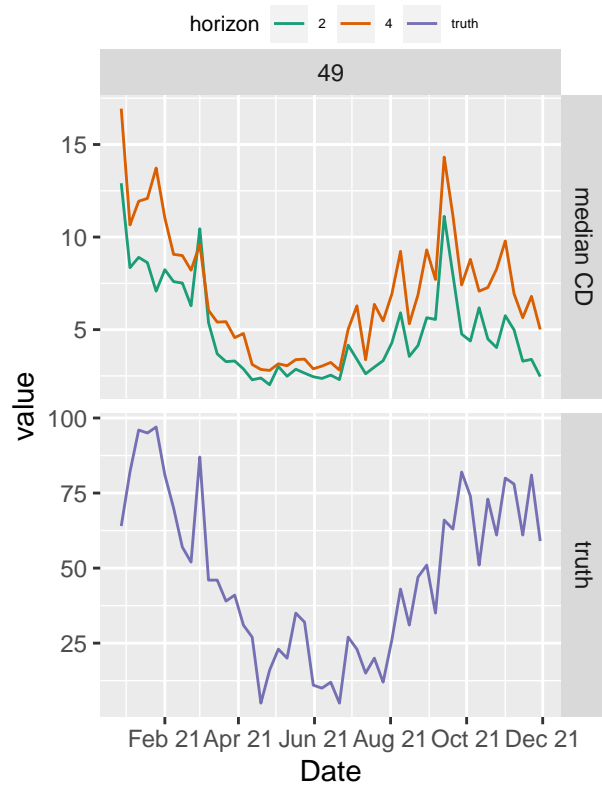
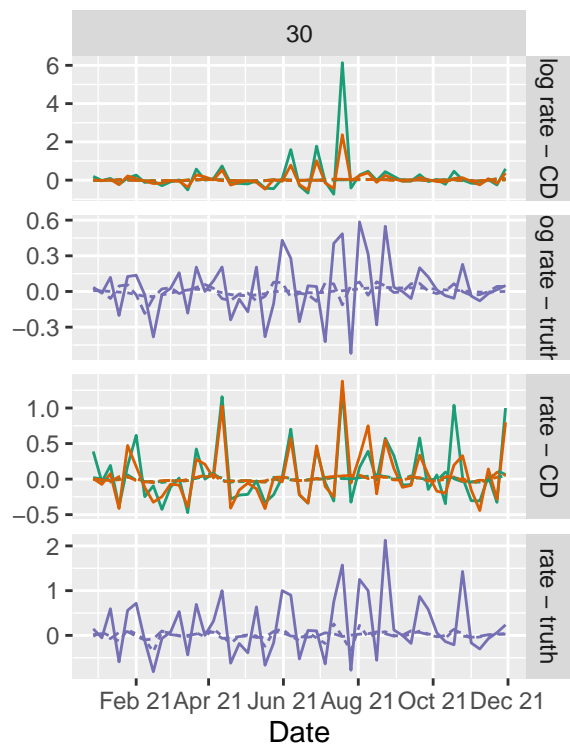
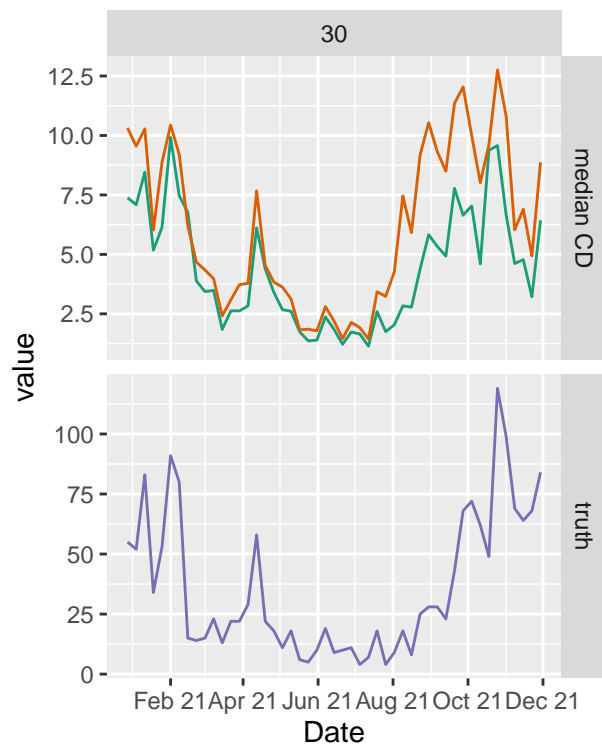






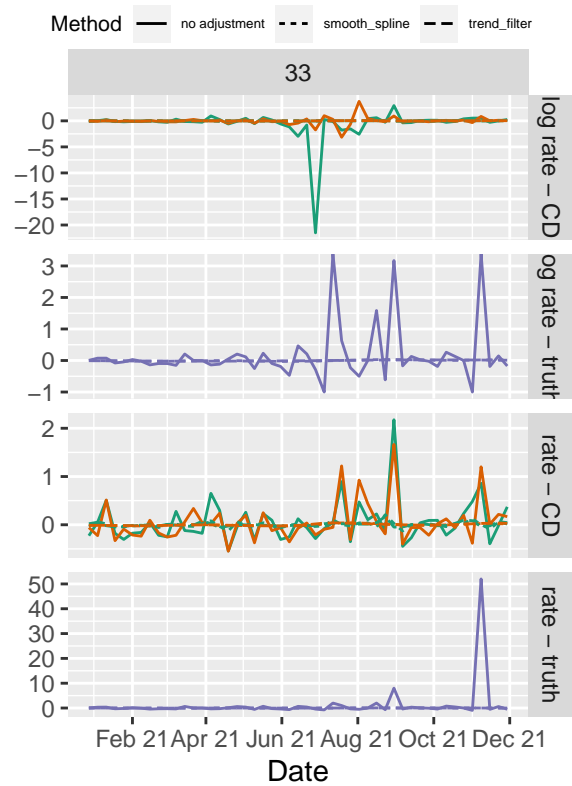
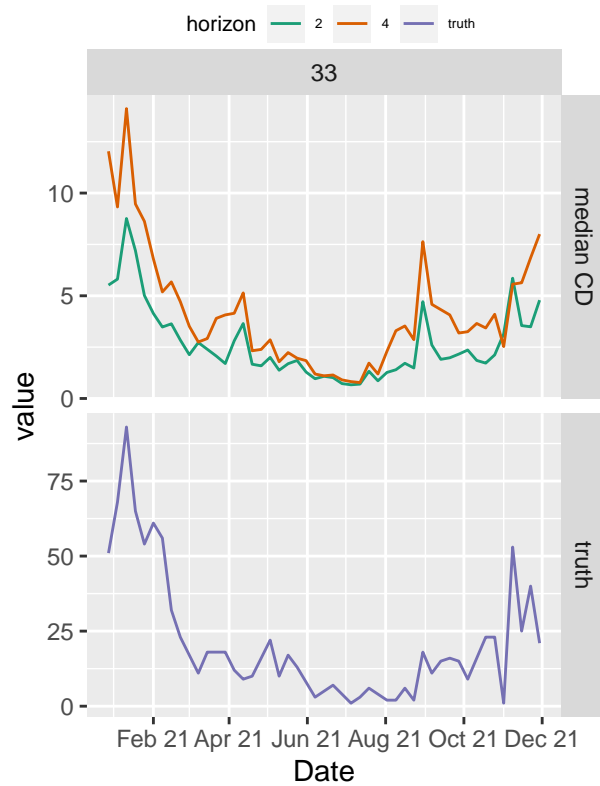
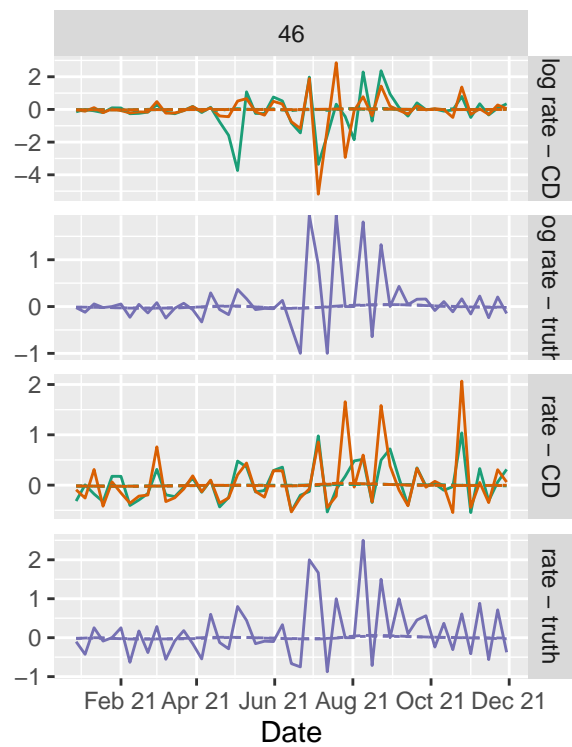
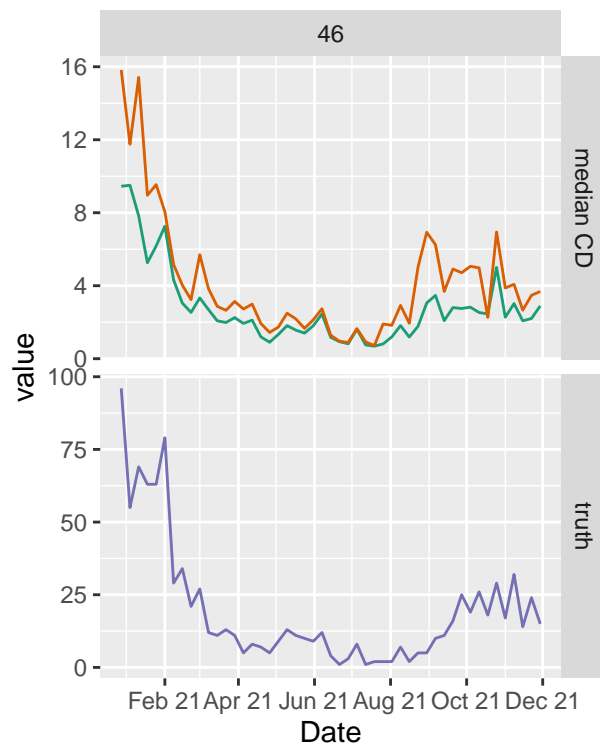
horizon 2 4 truth

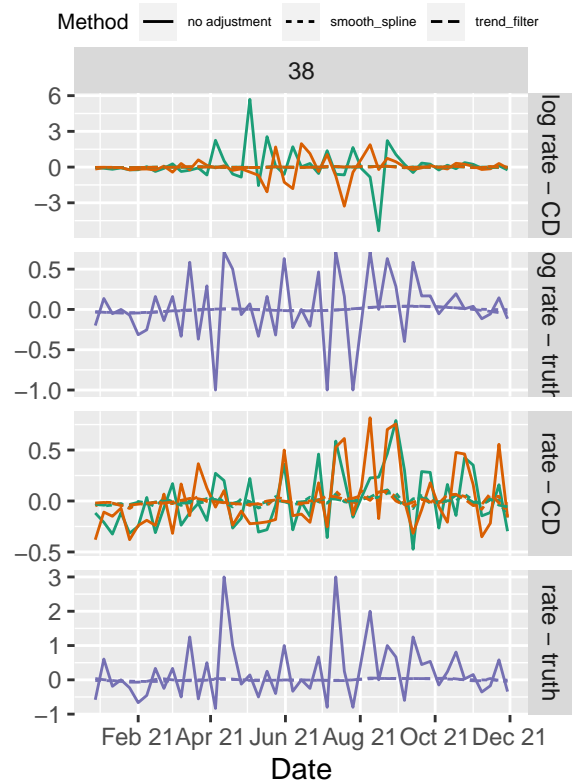
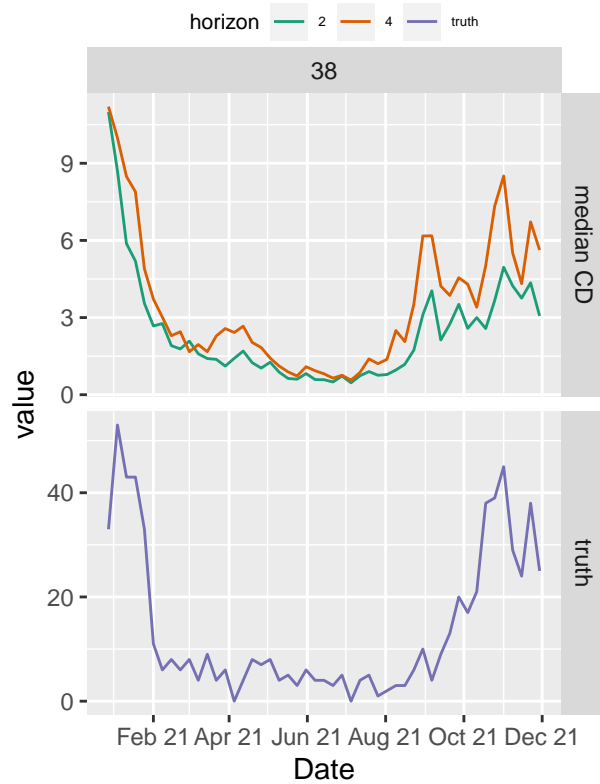
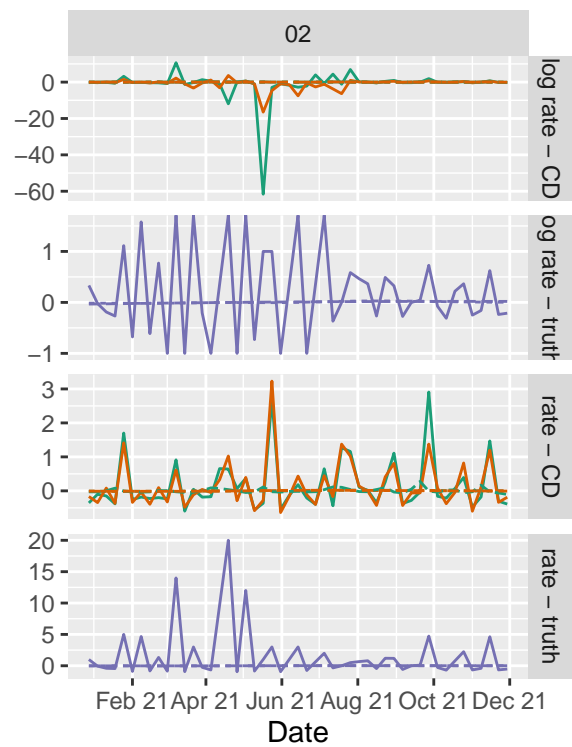
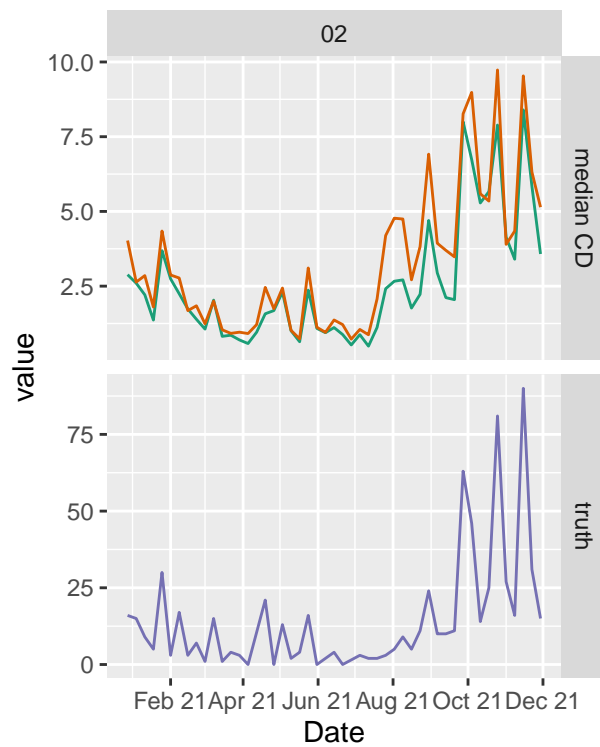
Method no adjustment smooth_spline trend_filter



horizon — 2 — 4 — truth

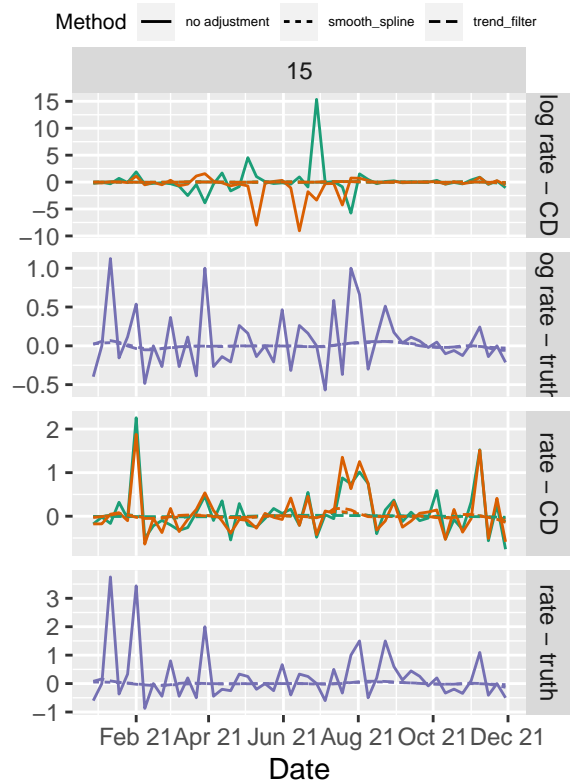
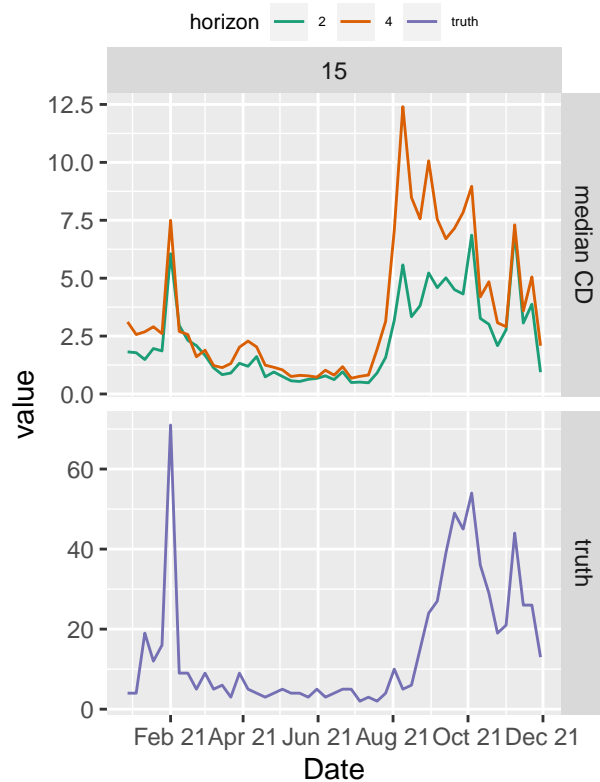
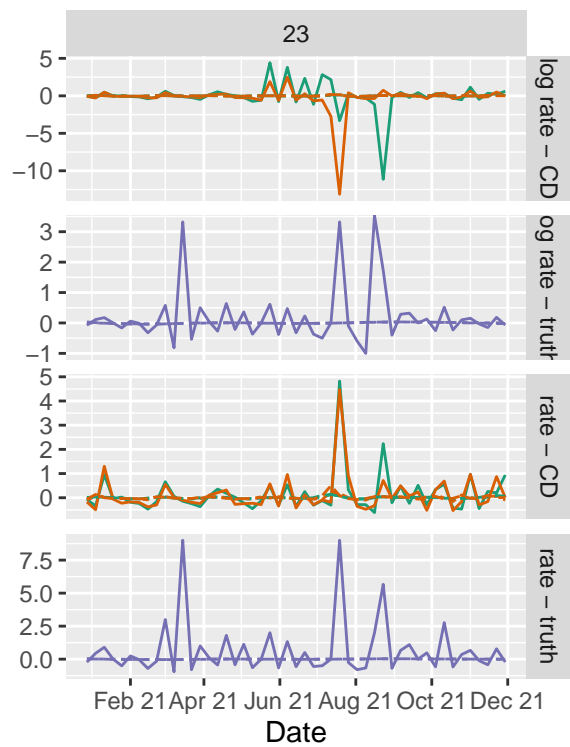
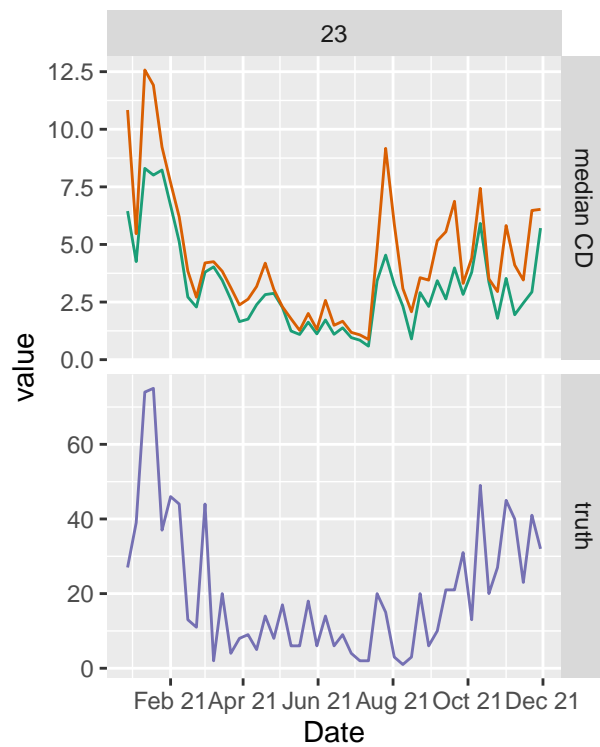
Method — no adjustment - - - smooth_spline - - - trend_filter

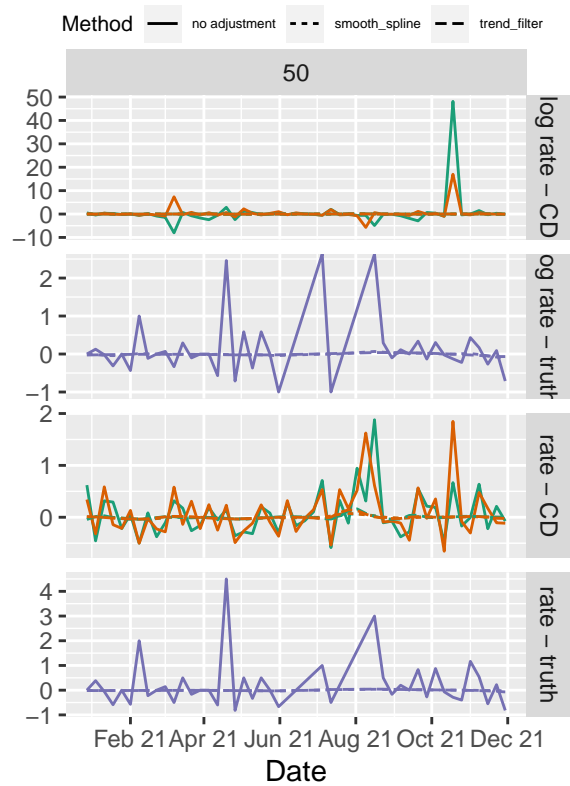
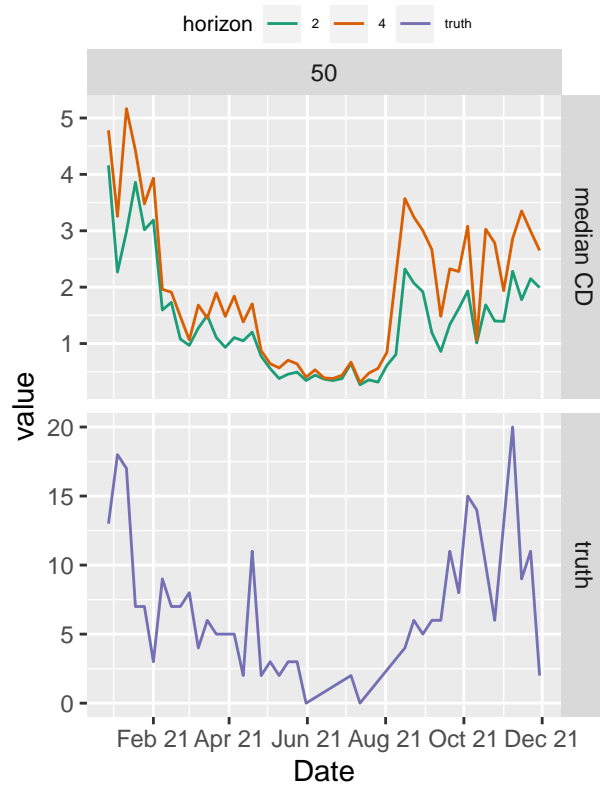
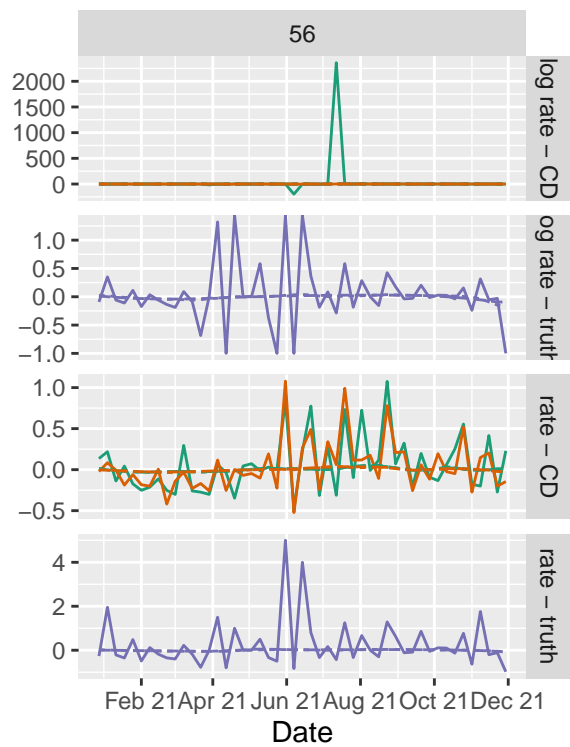




horizon 2 4 truth

Method no adjustment smooth_spline trend_filter

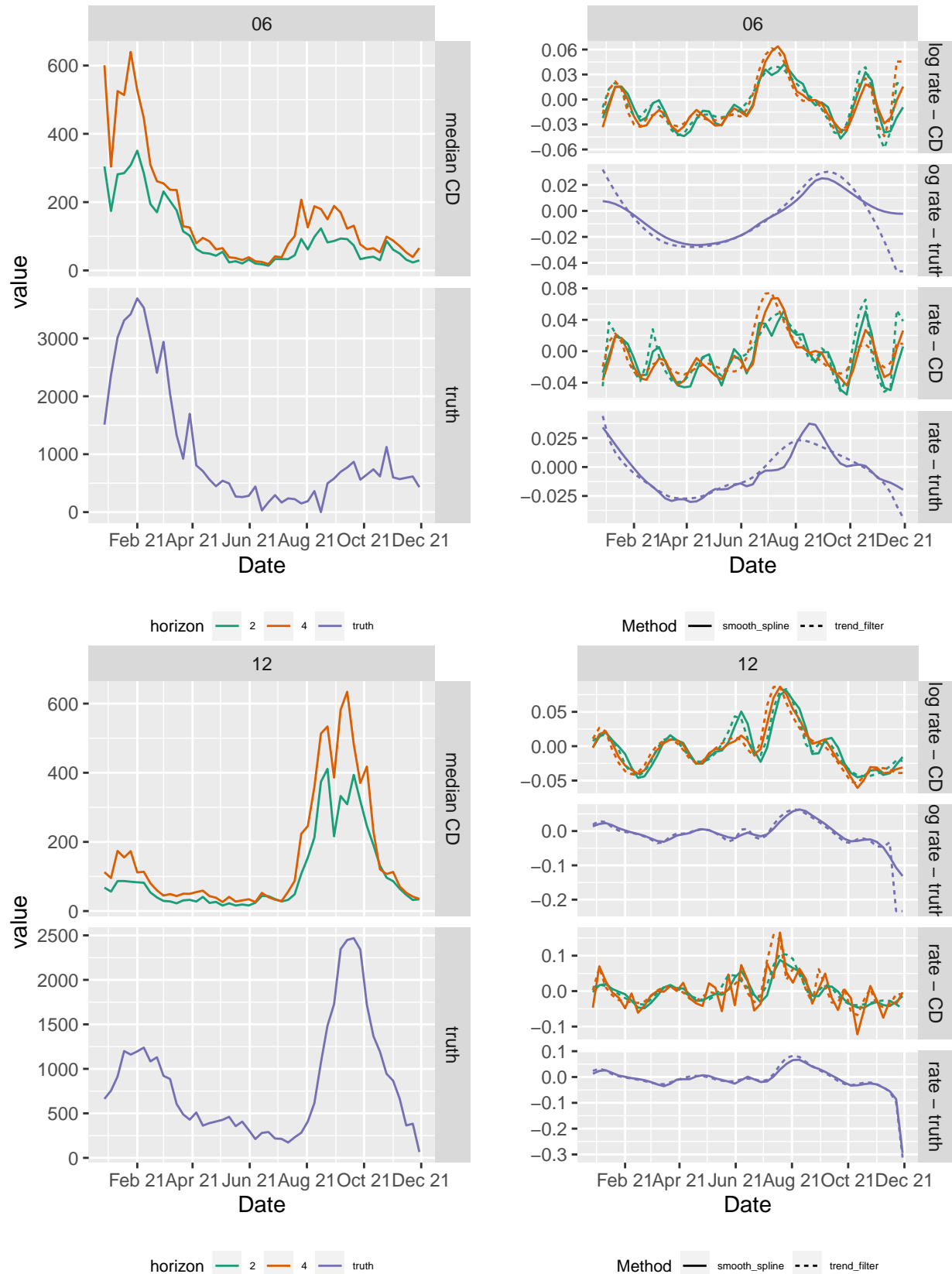


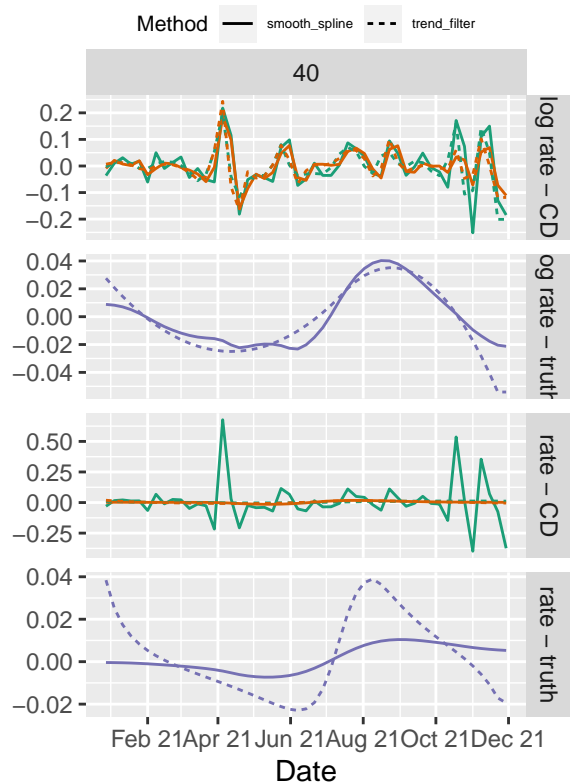
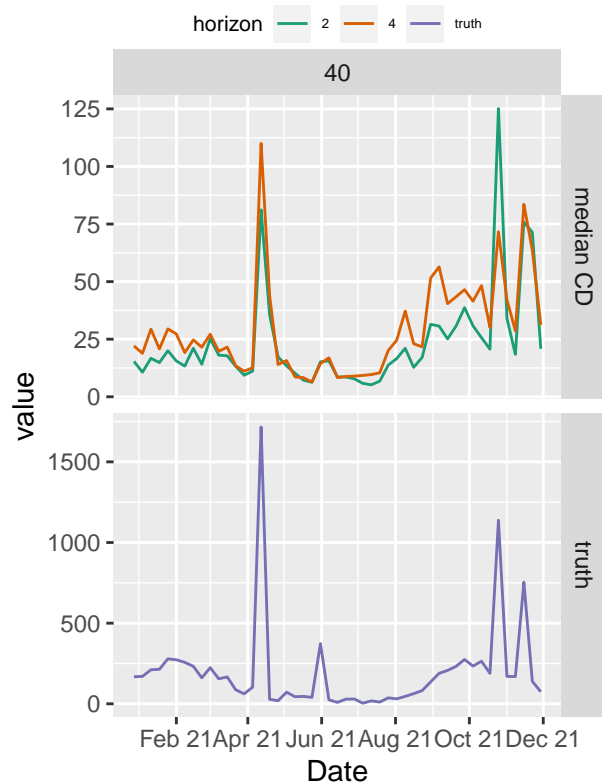
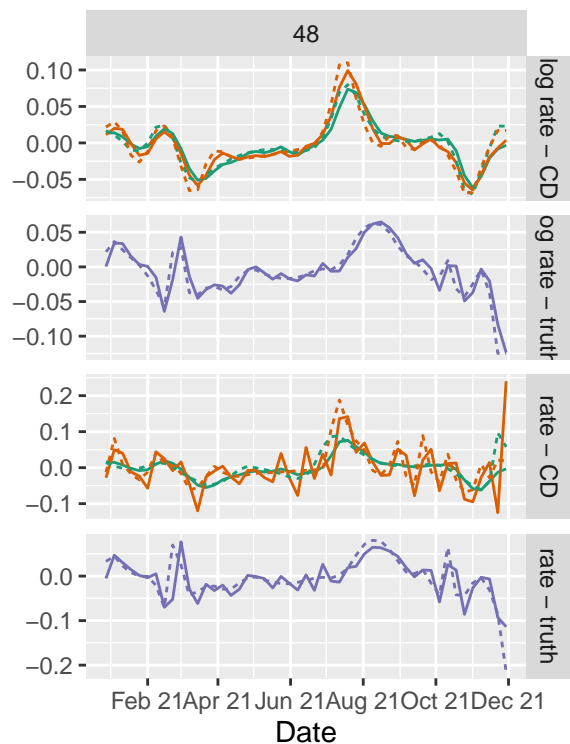


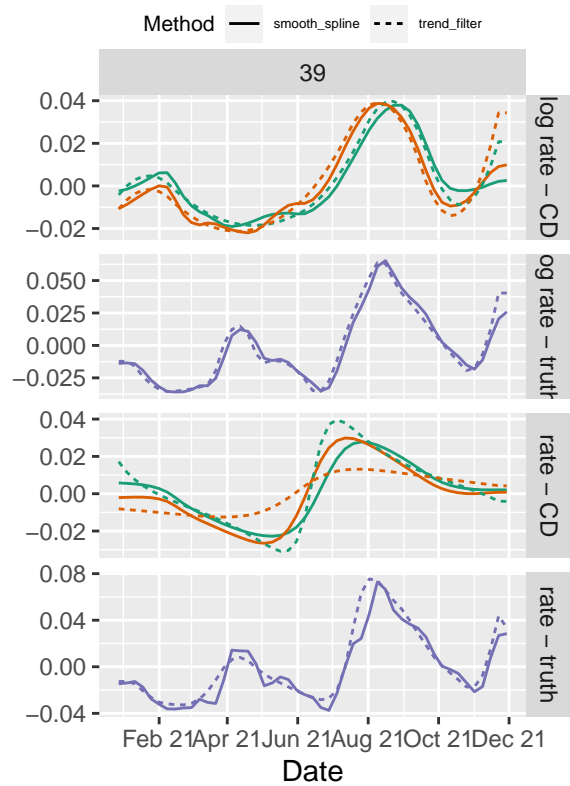
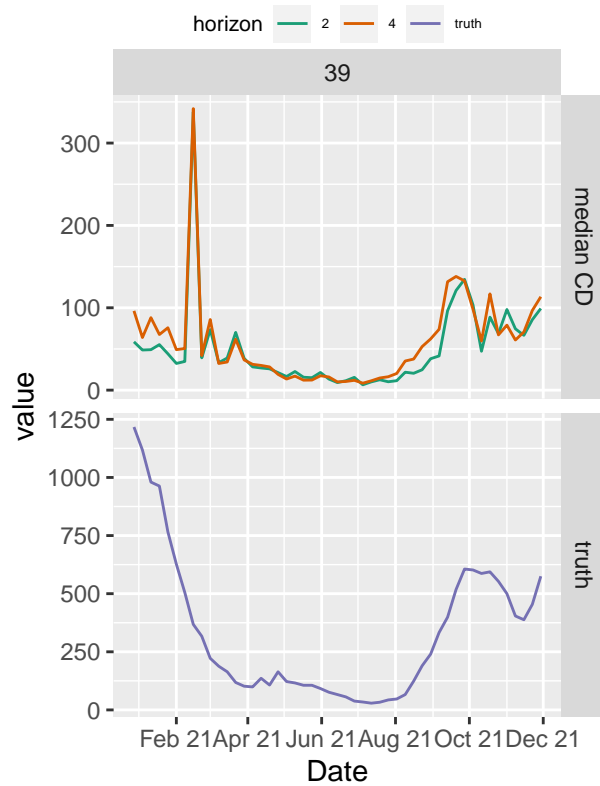
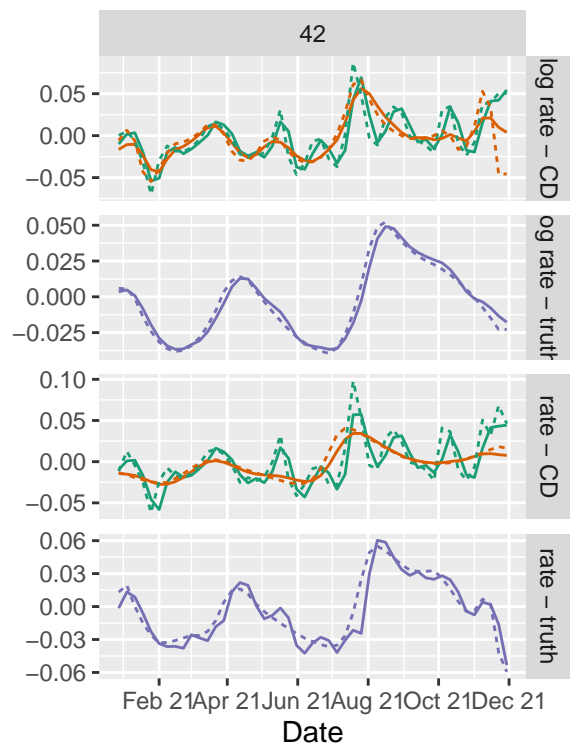
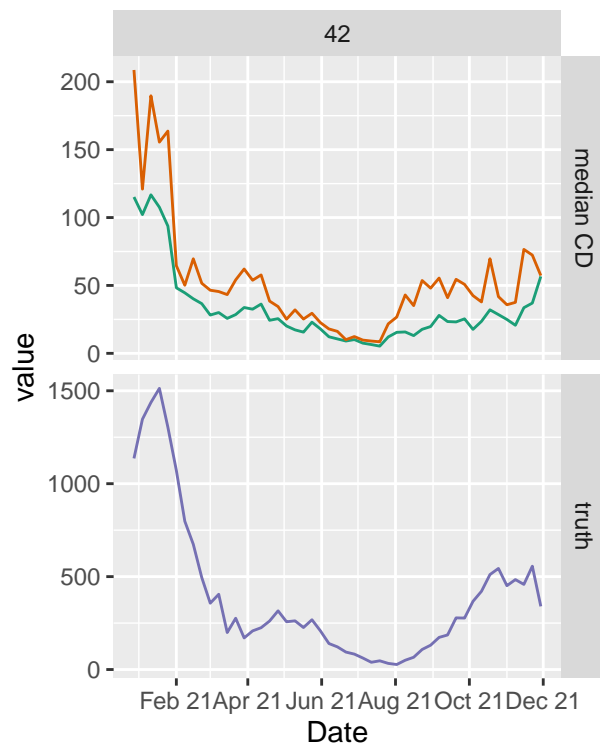
horizon 2 4 truth

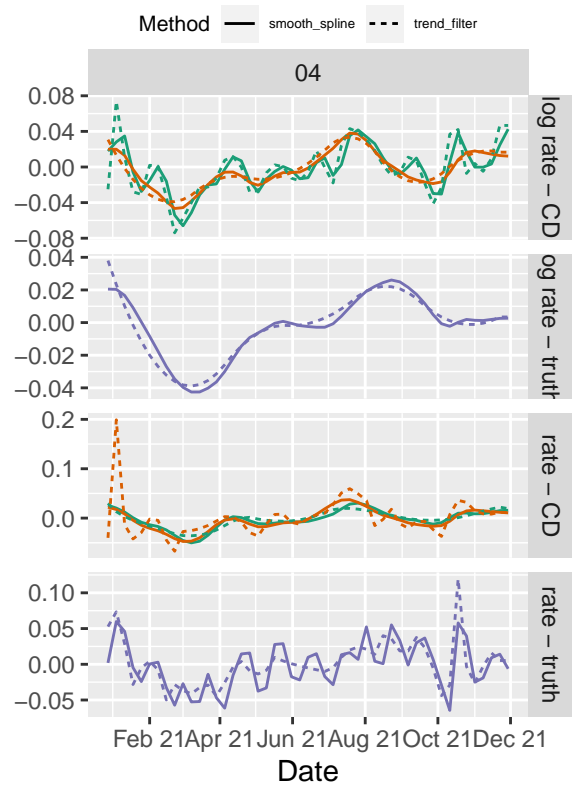
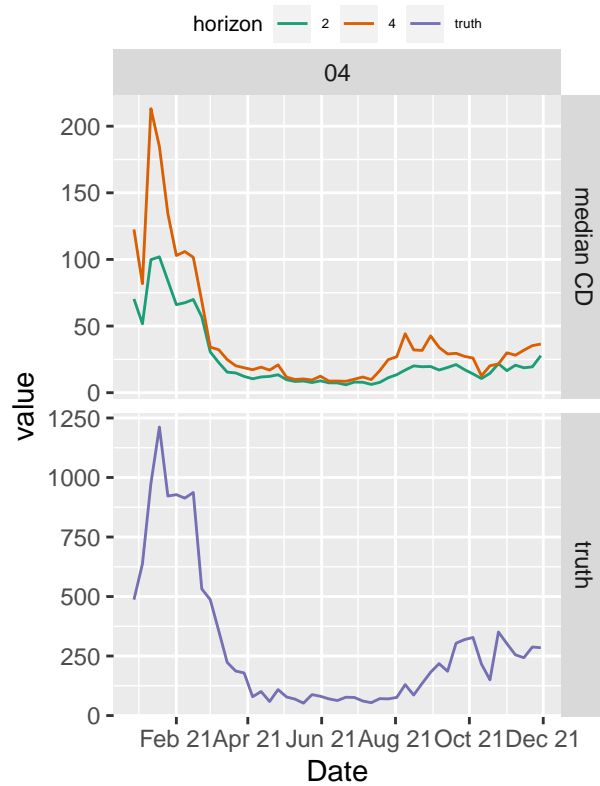
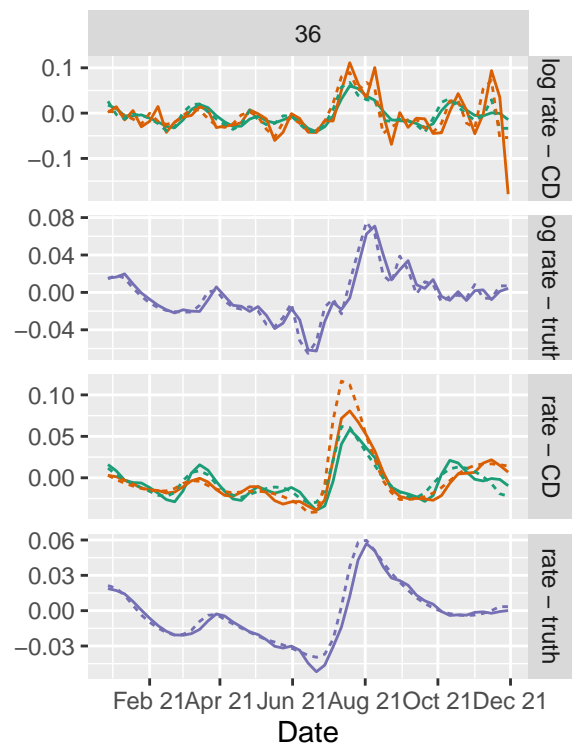
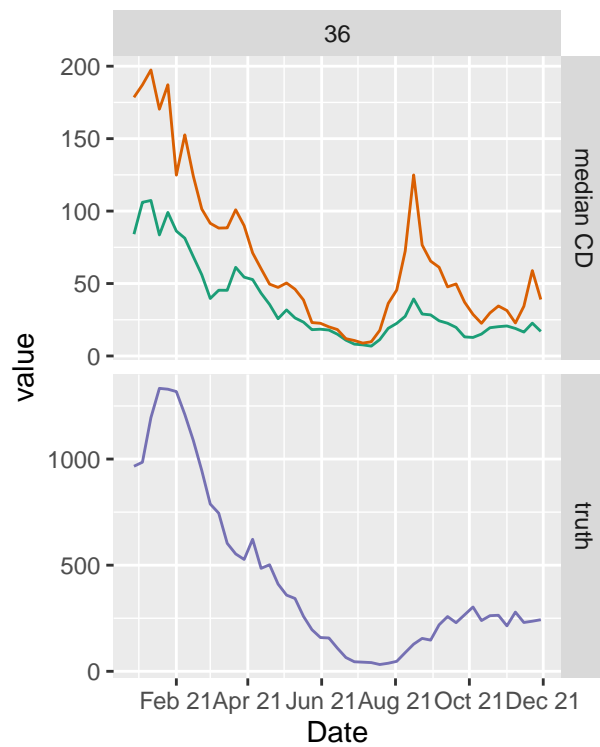
Method no adjustment smooth_spline trend_filter

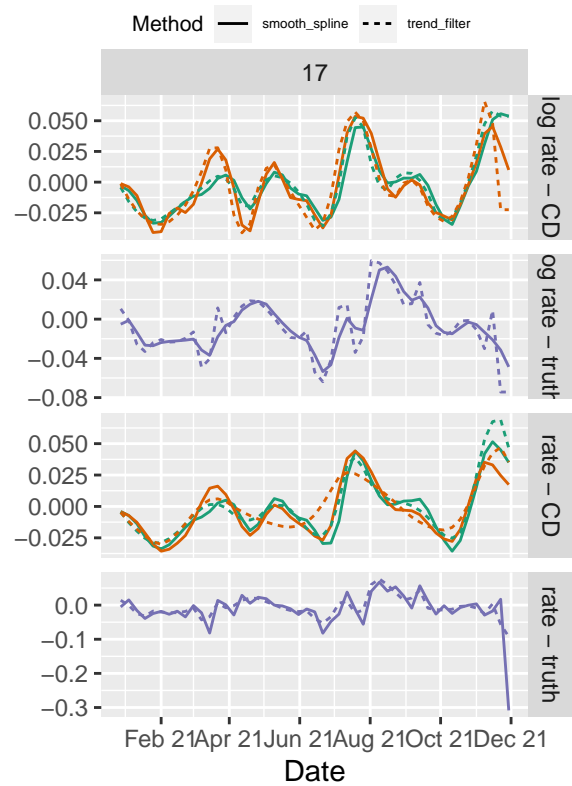
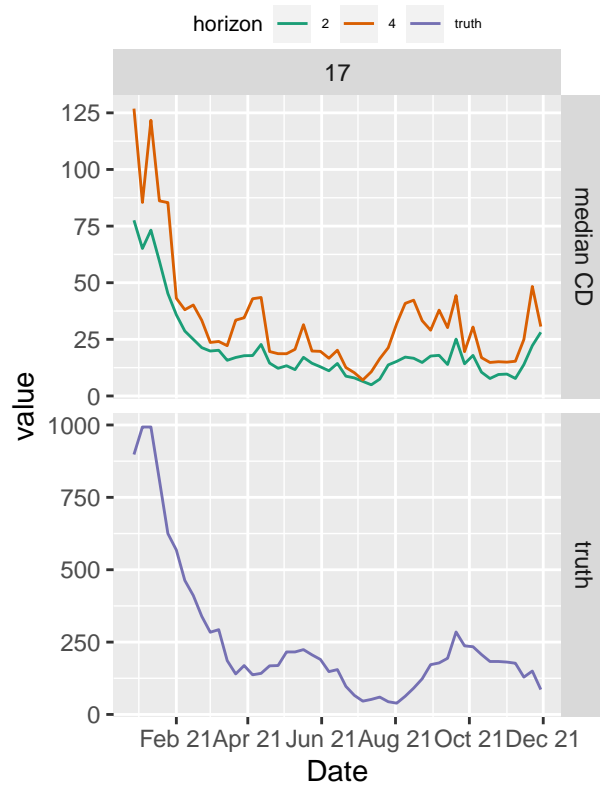
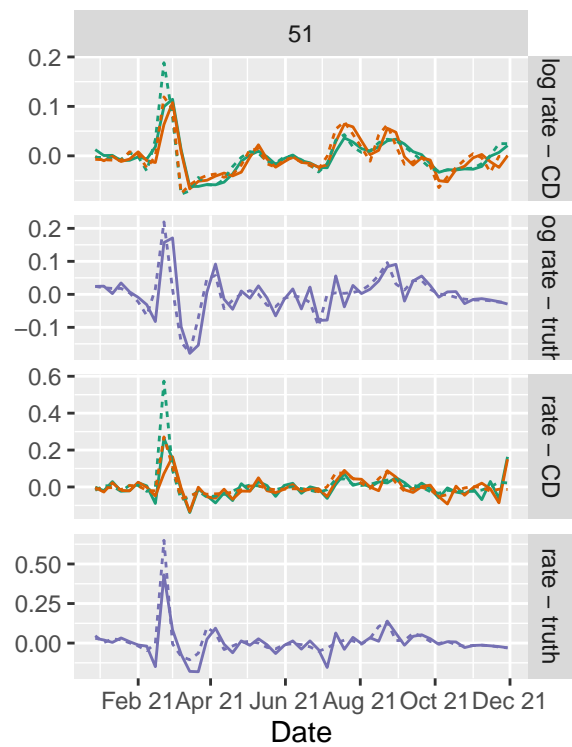
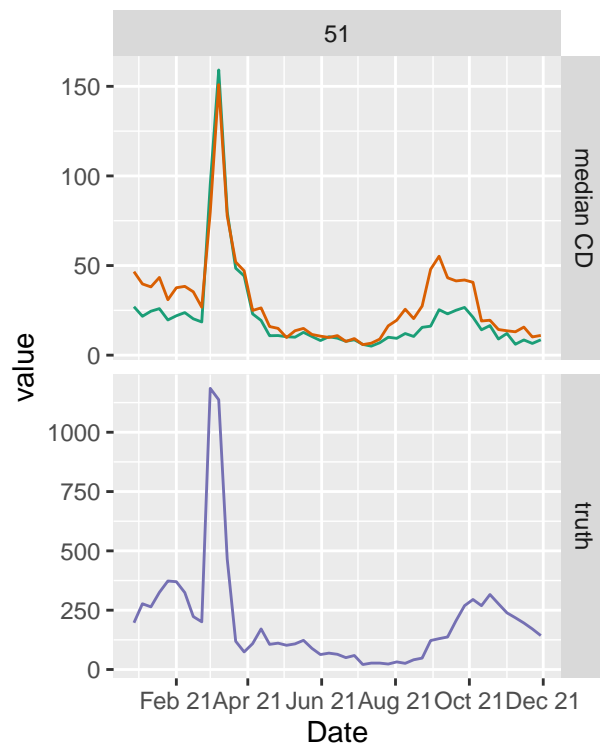
Plots - without no adjustment line

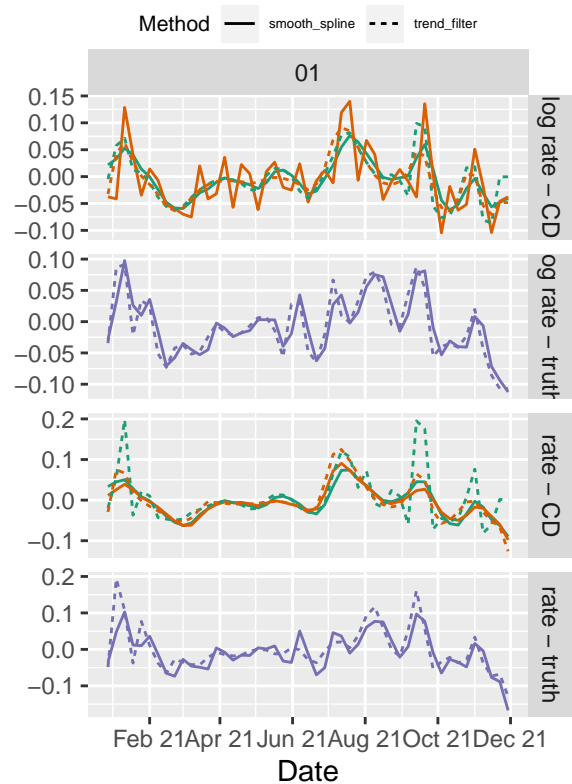
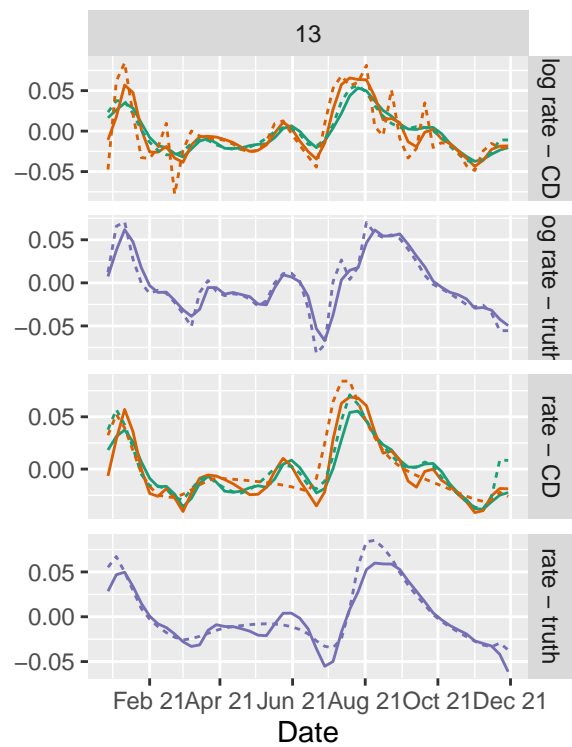
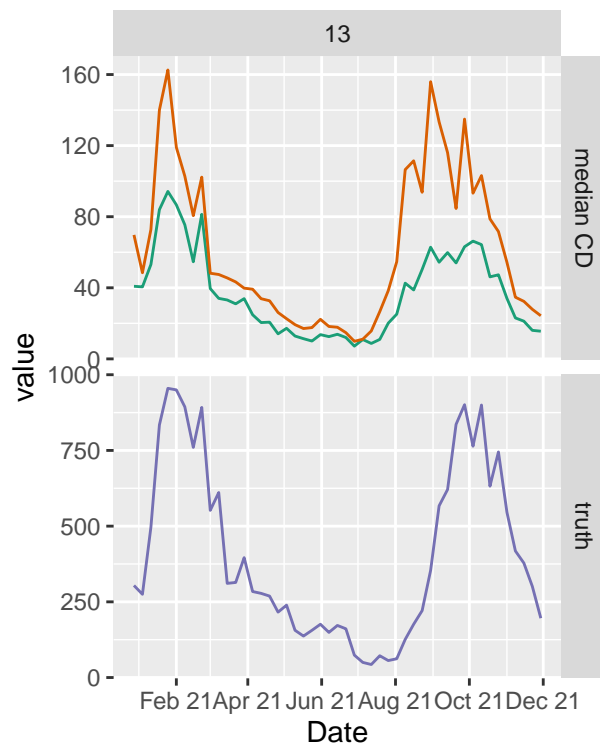






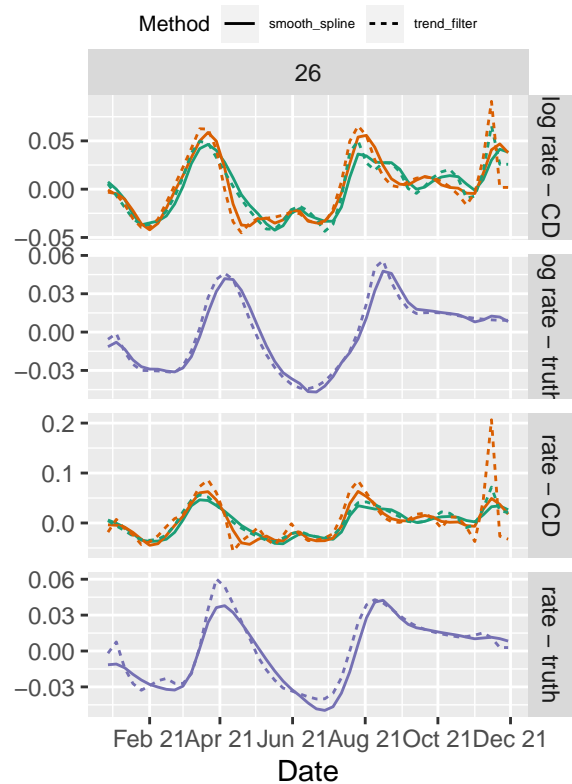
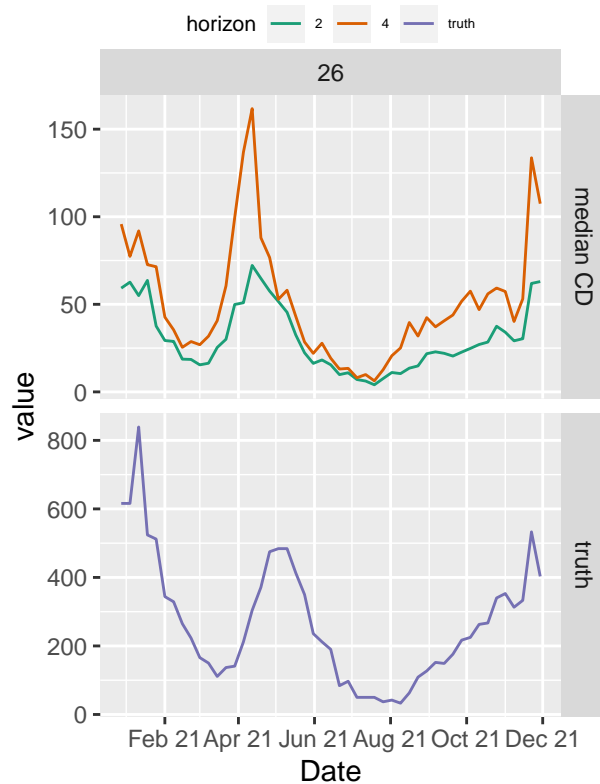
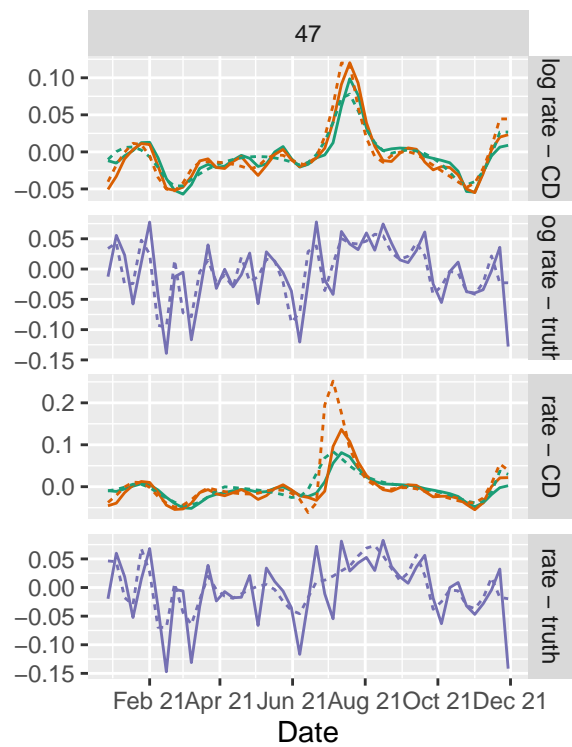
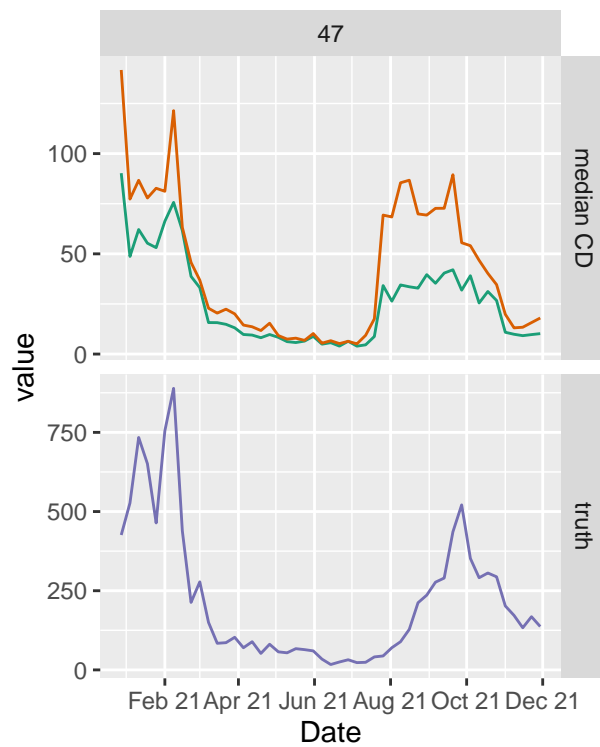


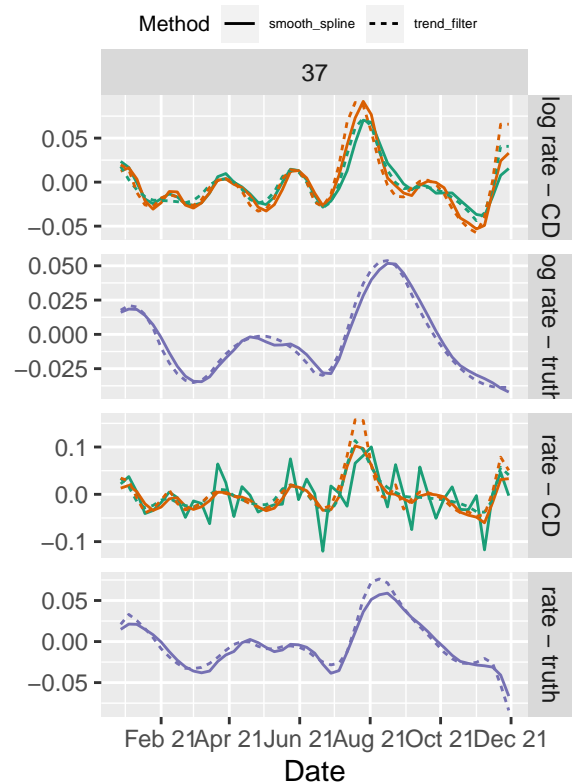
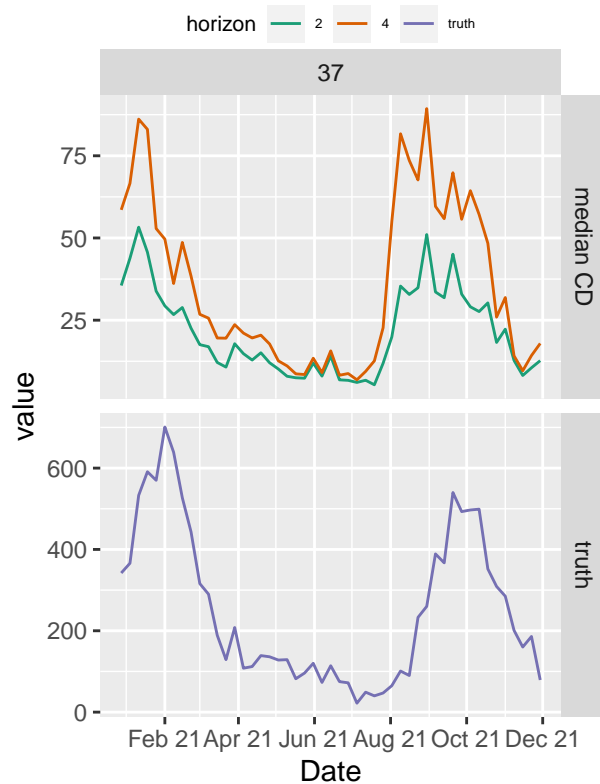
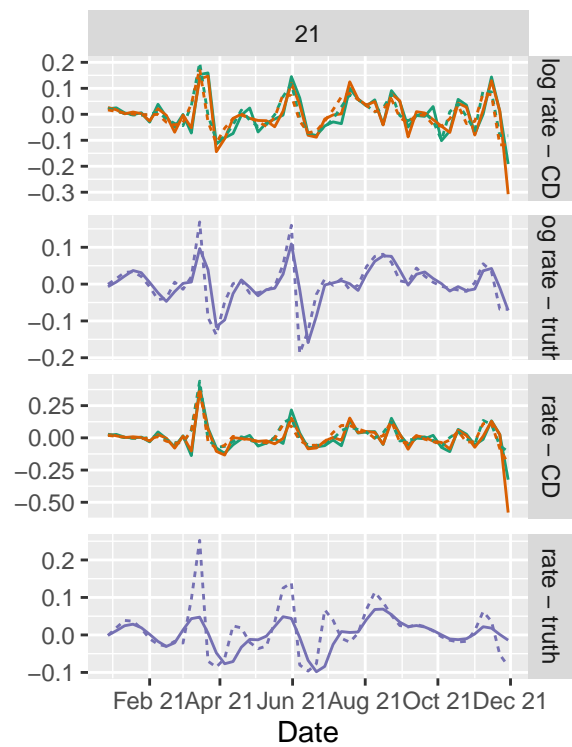
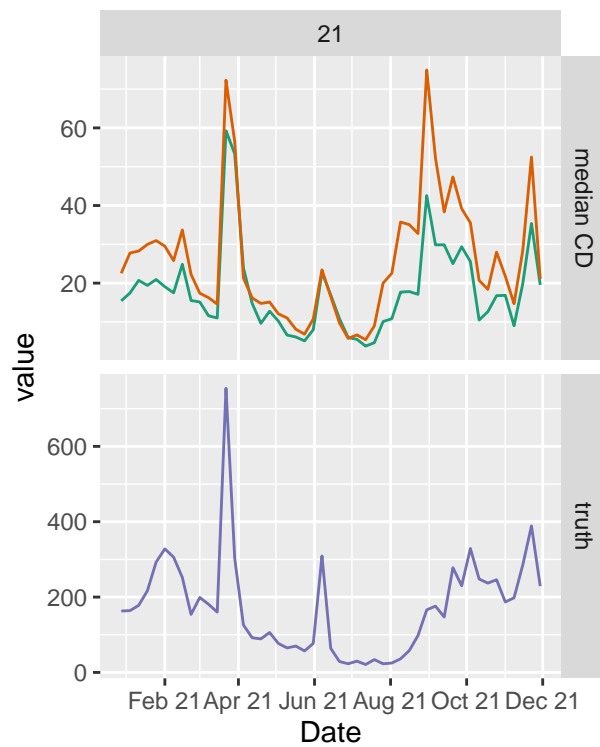


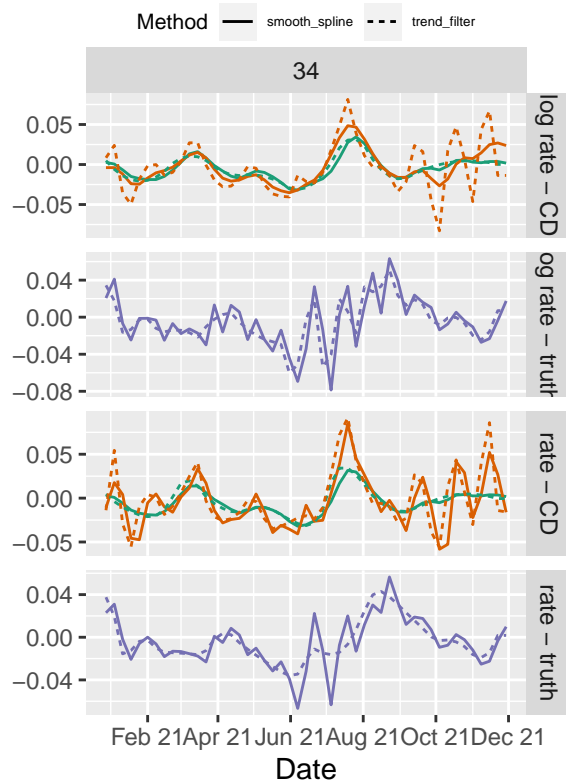
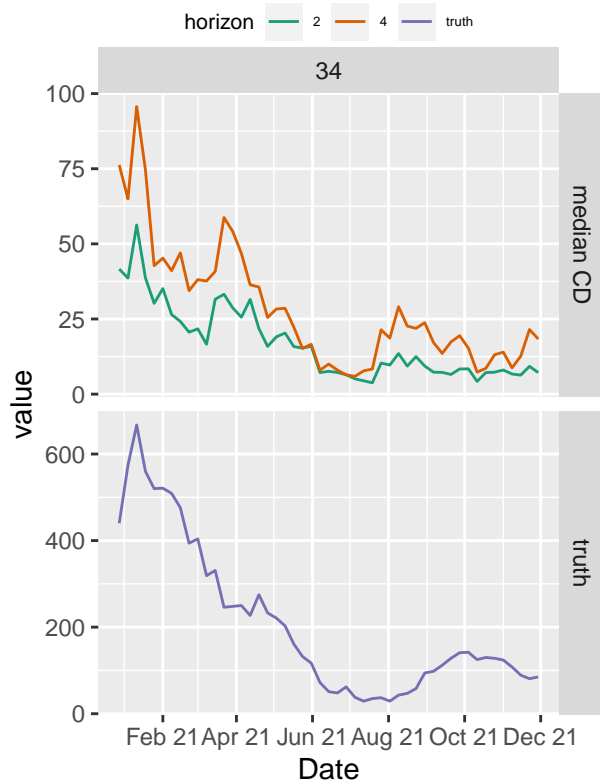
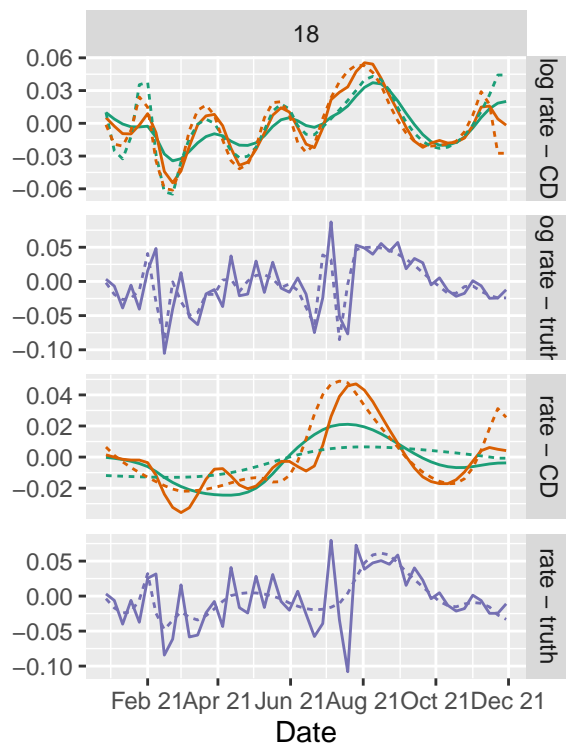
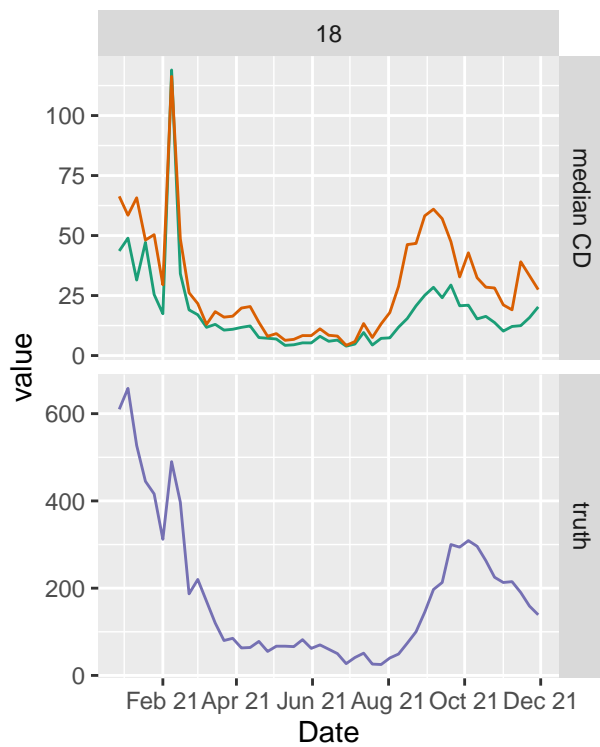


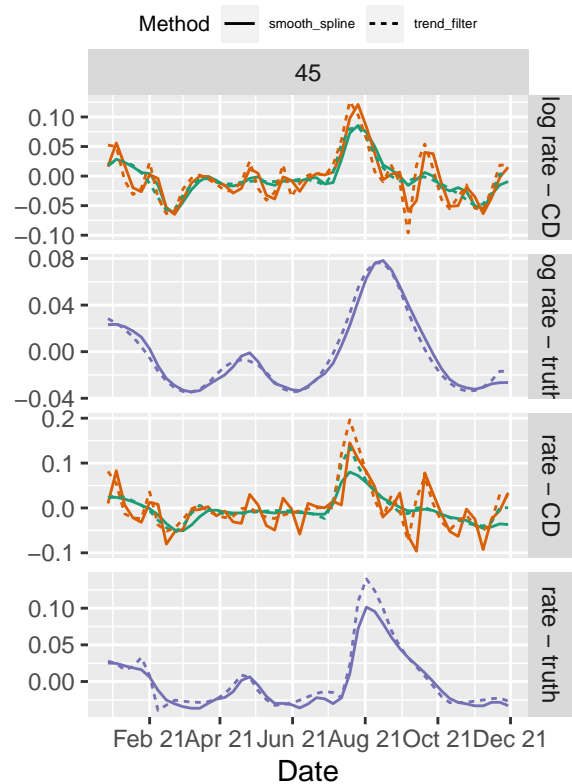
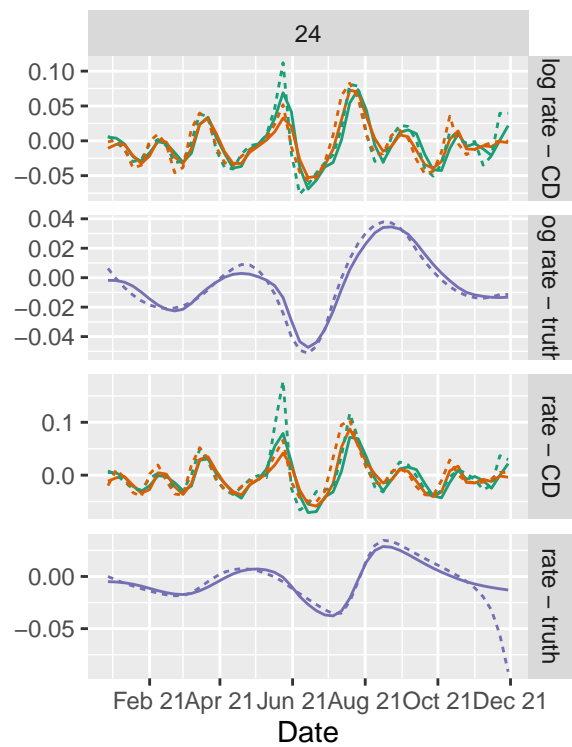
horizon 2 4 truth

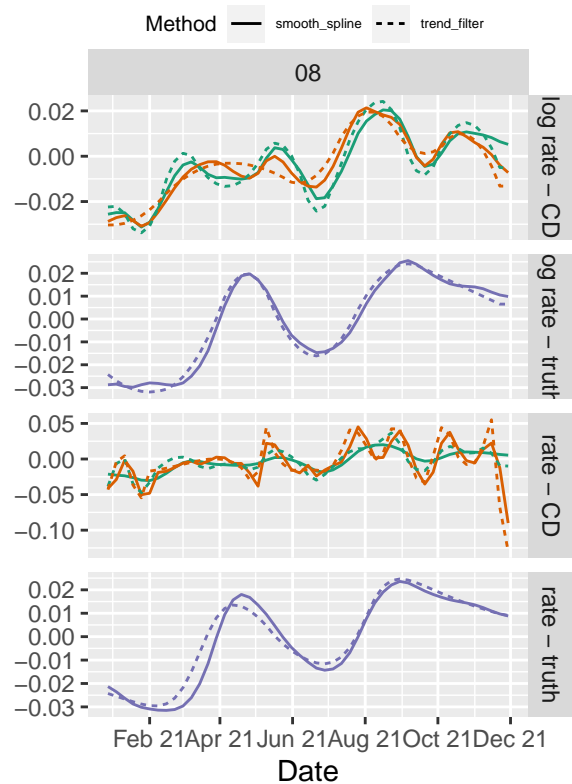
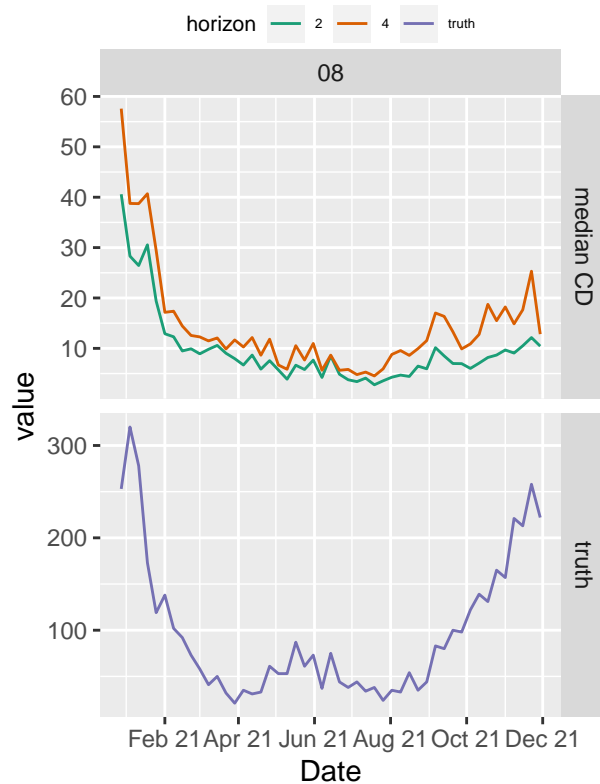
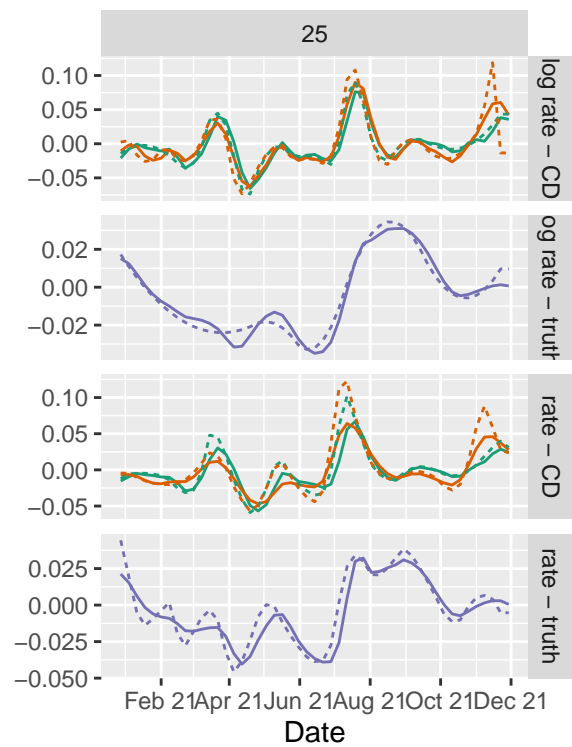
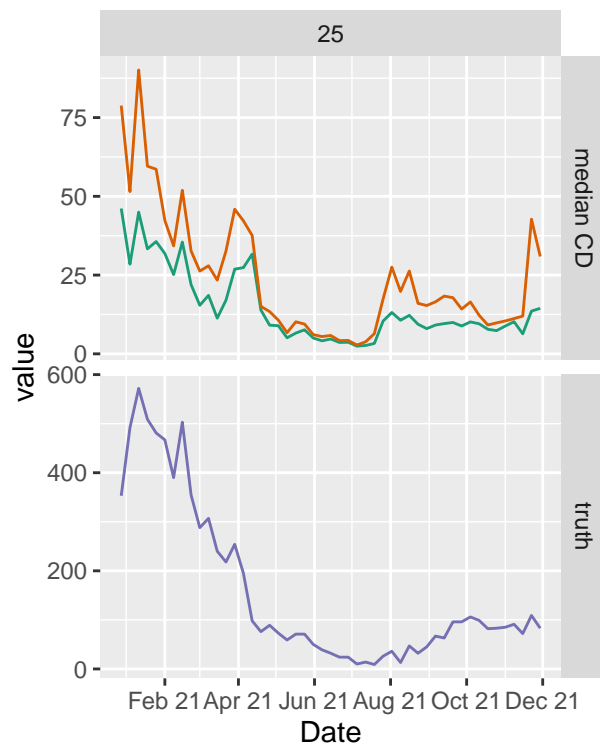
Method smooth_spline trend_filter

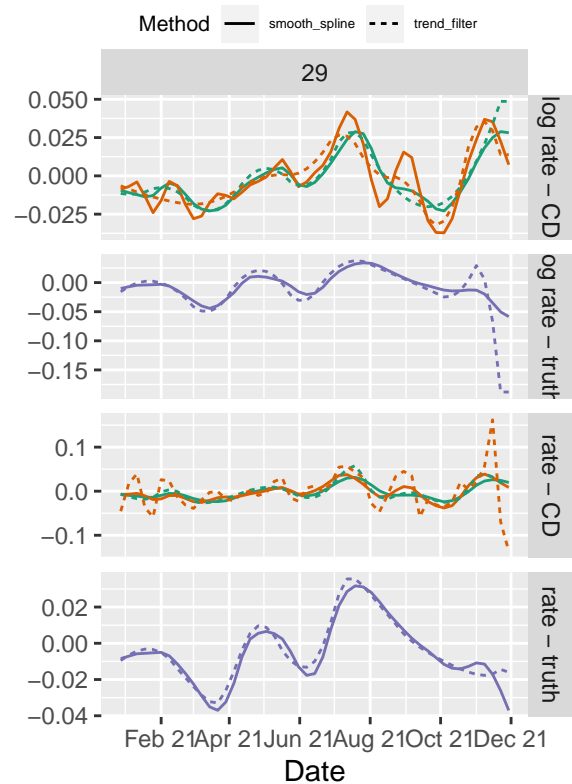
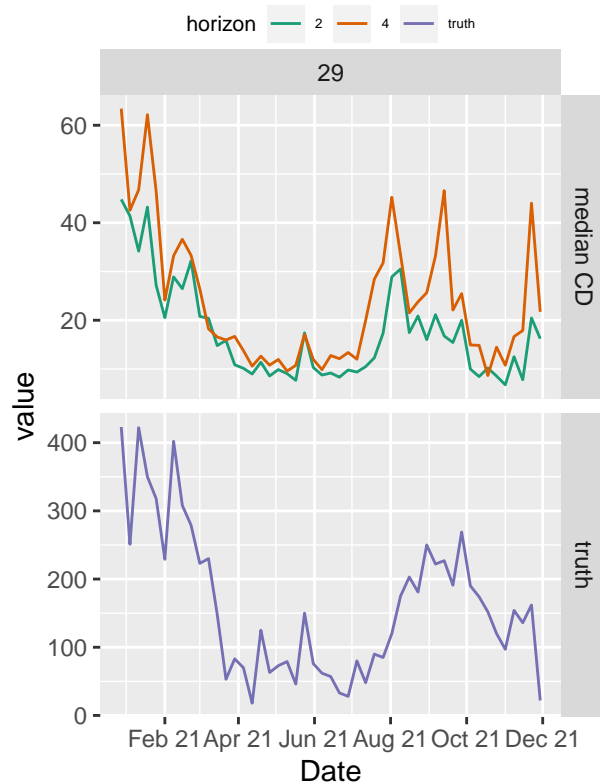
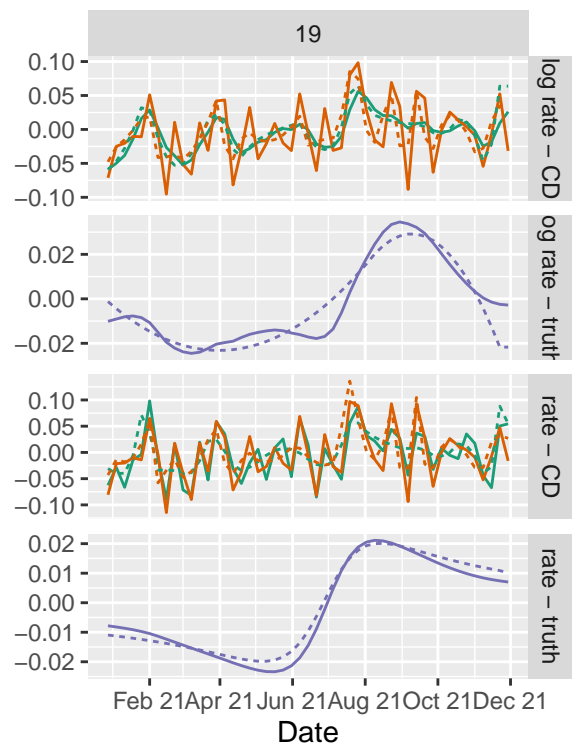
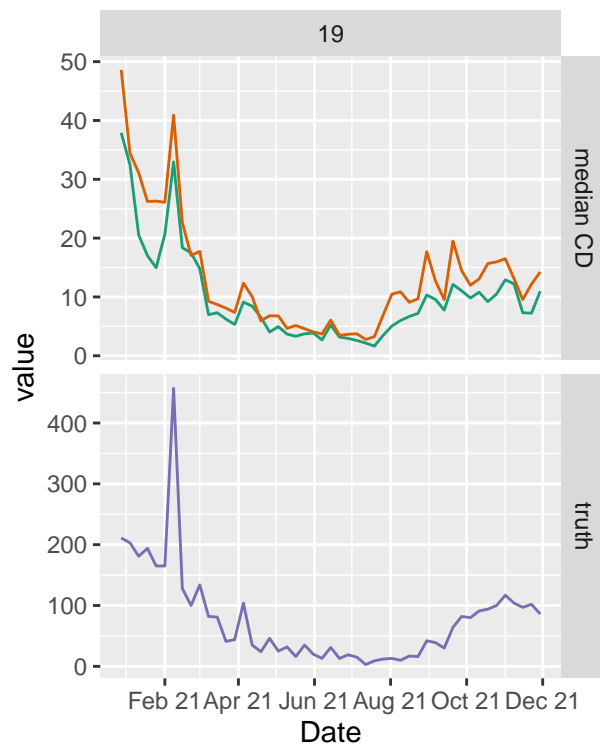


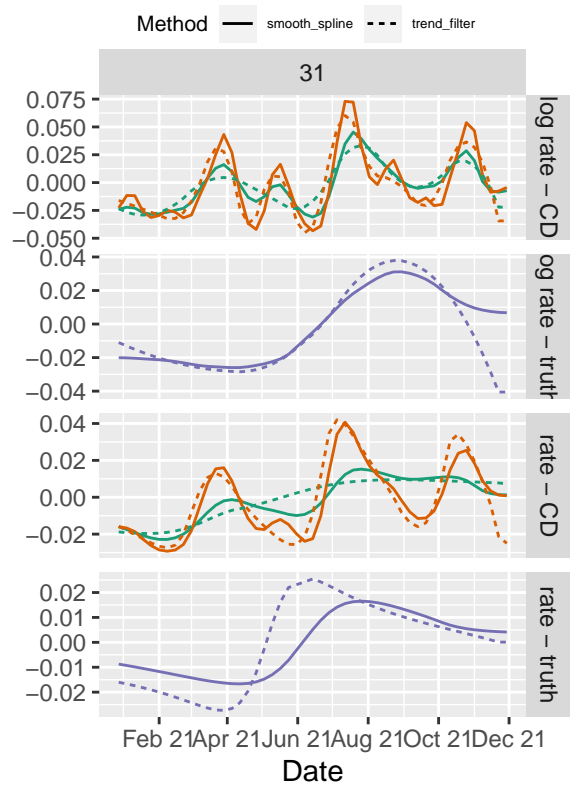
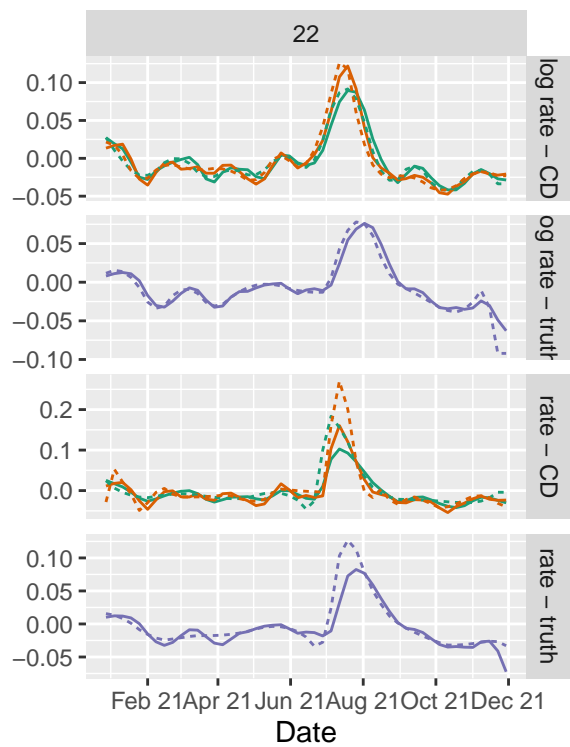
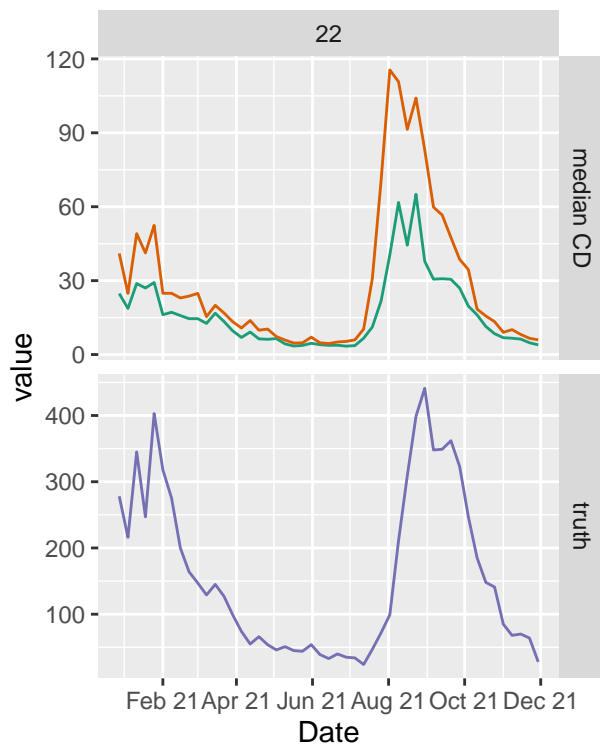


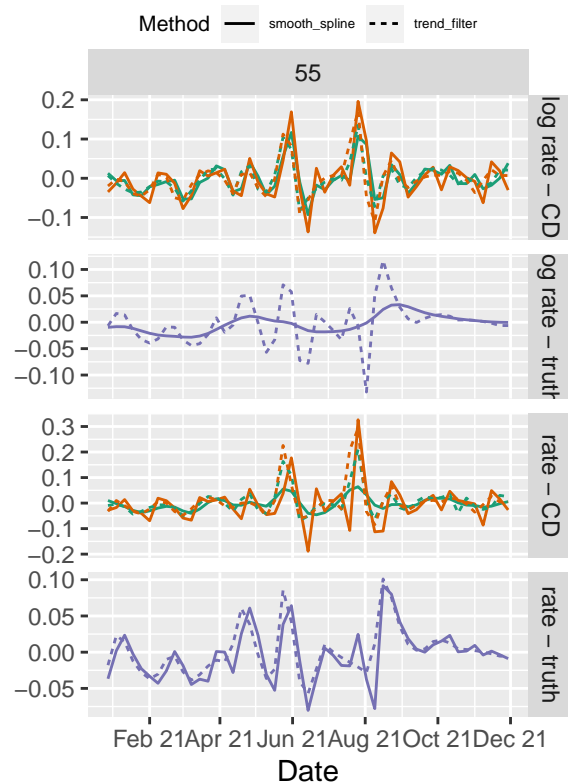
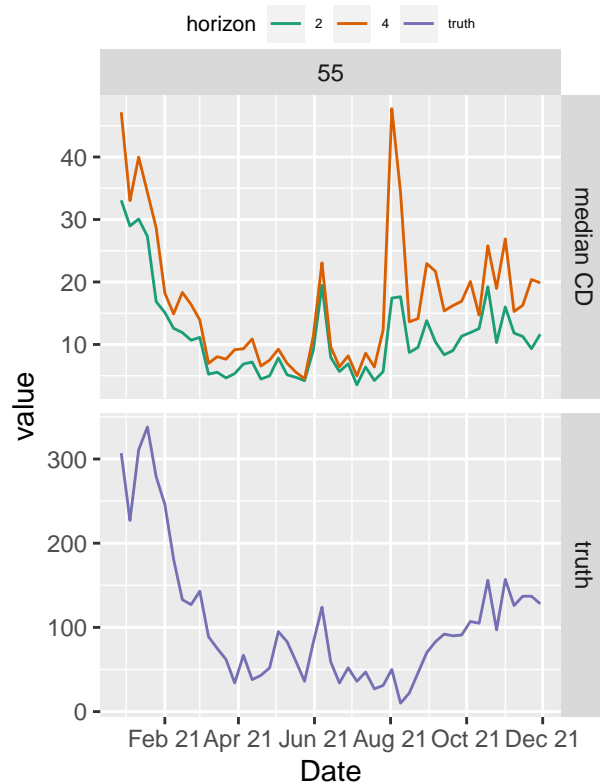
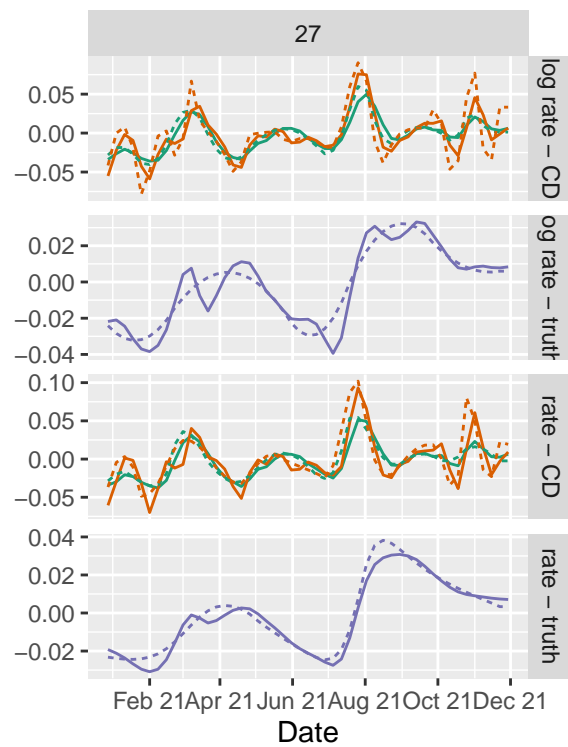
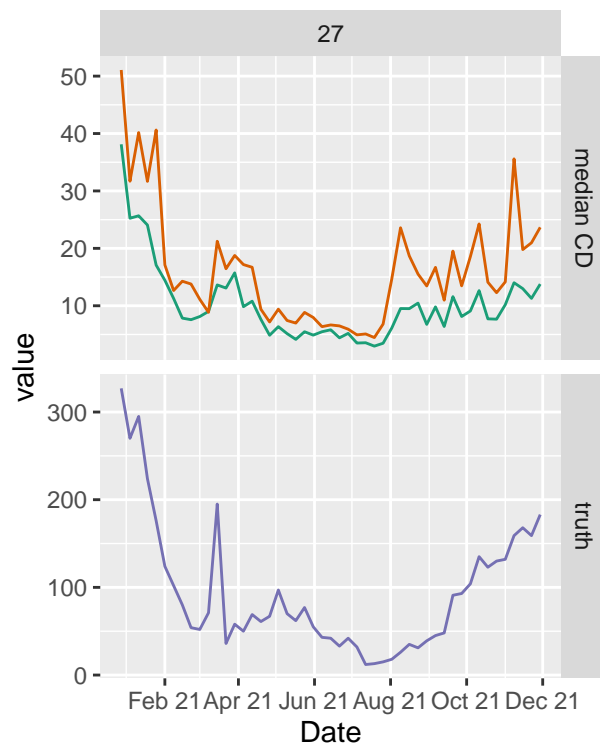






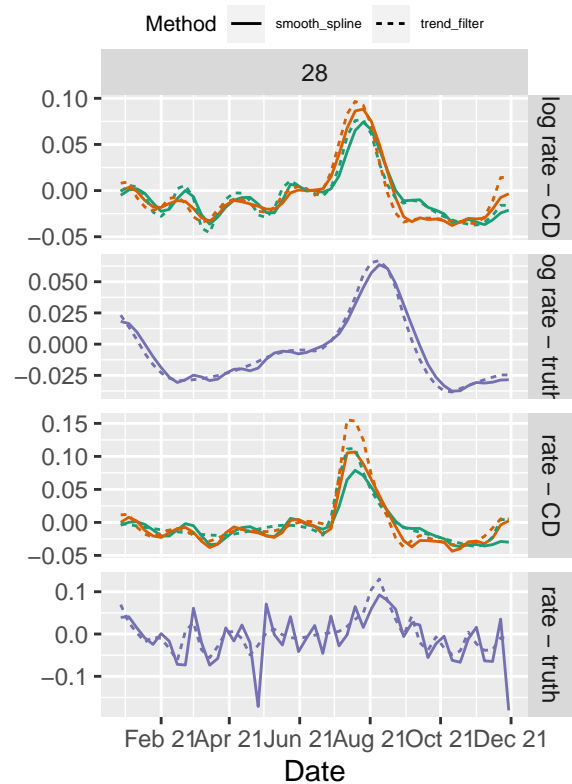
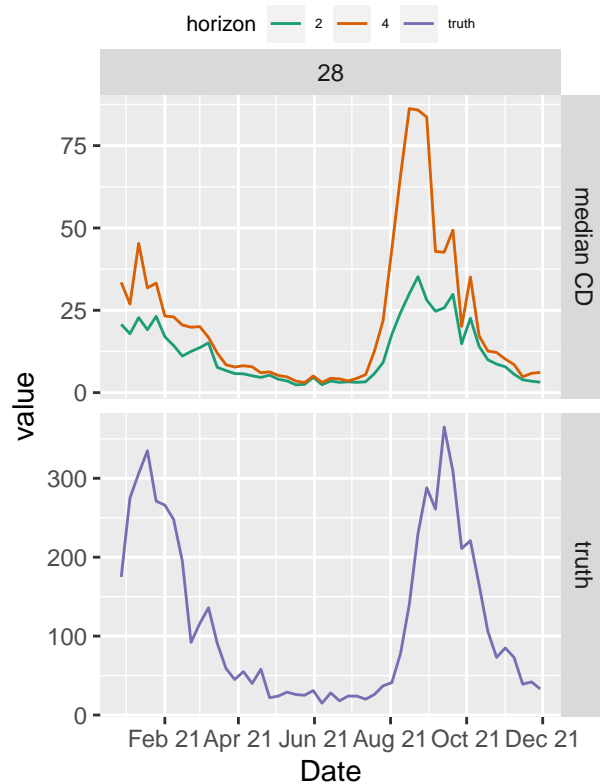
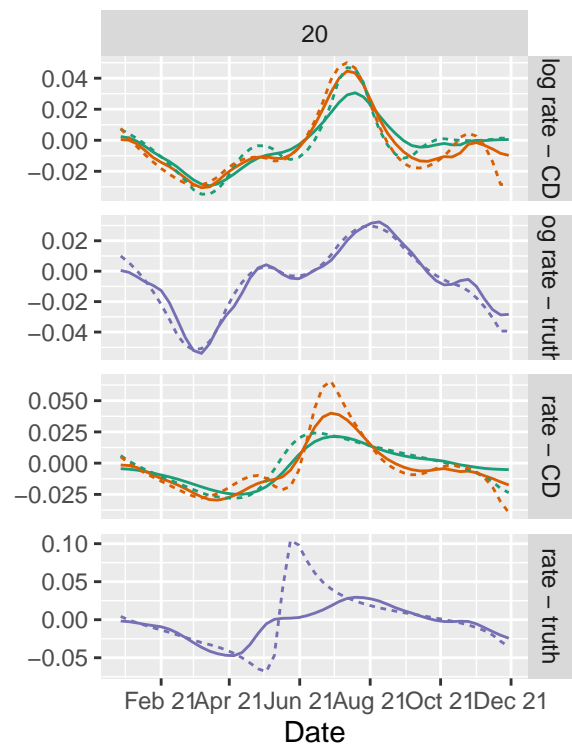
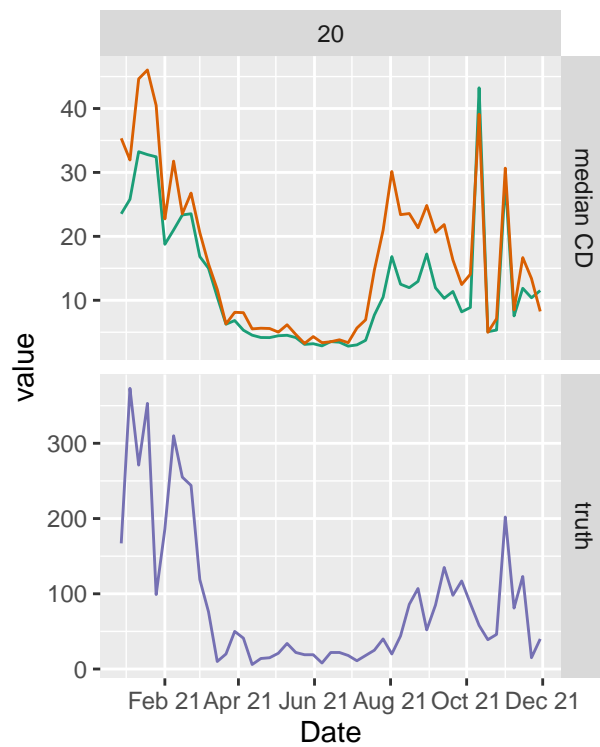


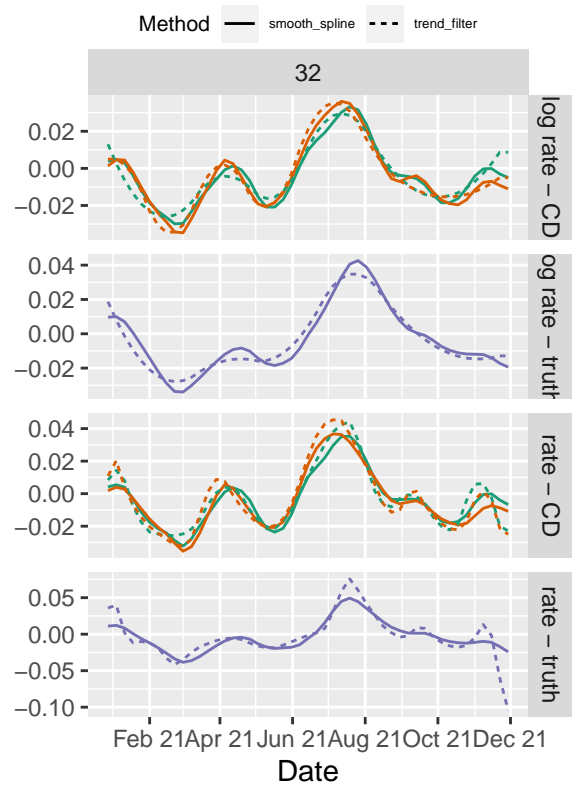
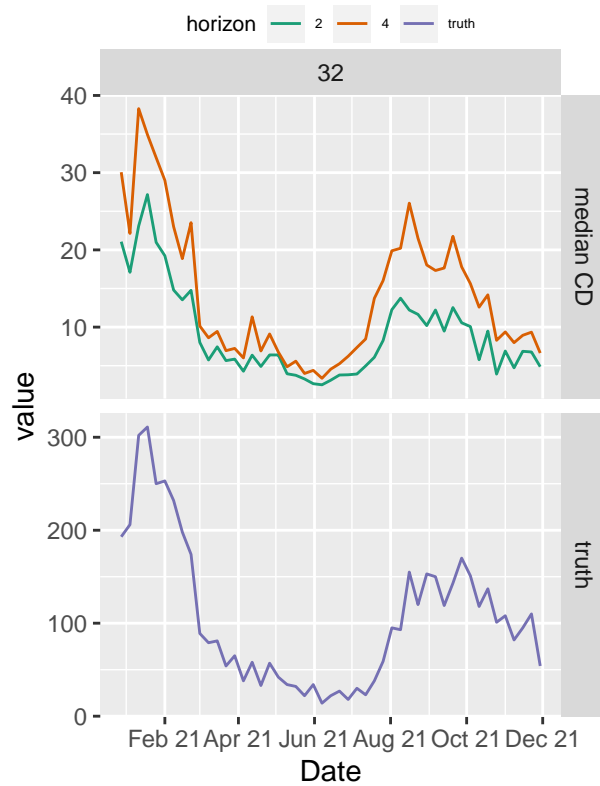
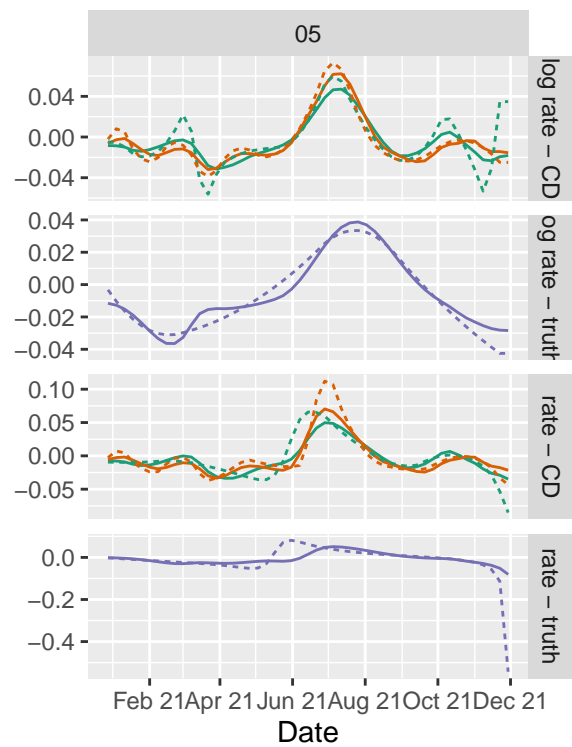
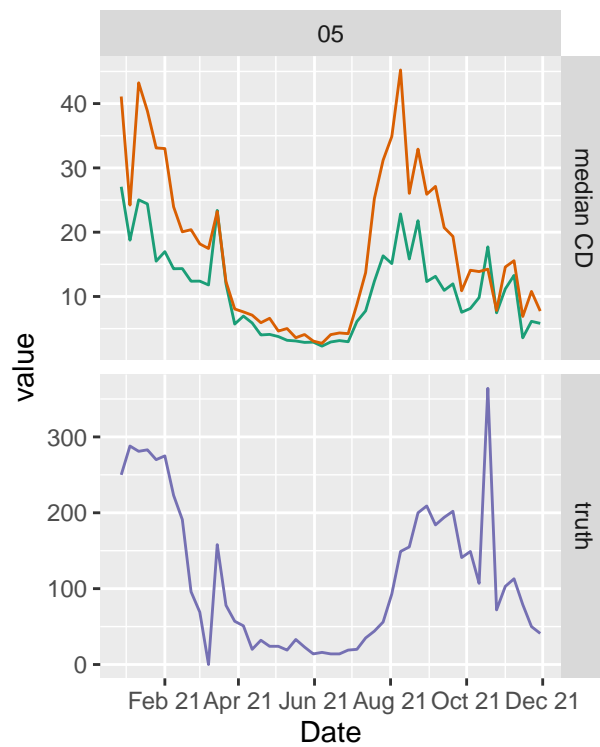


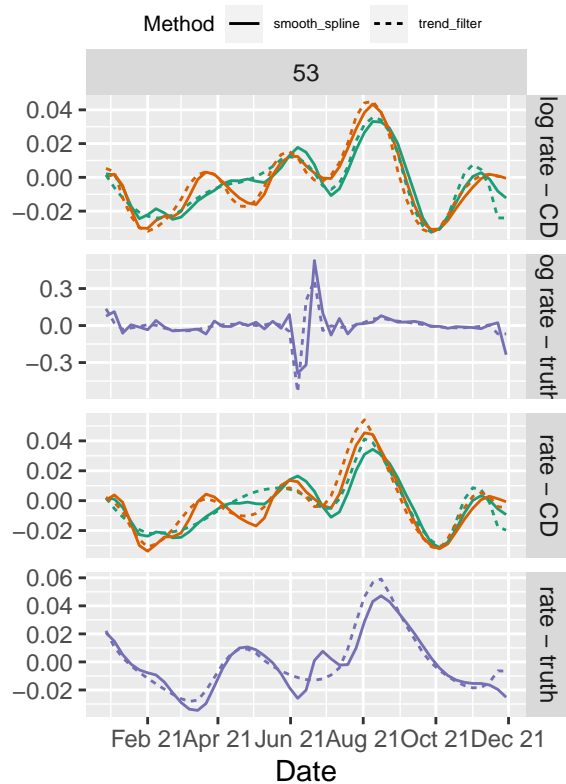
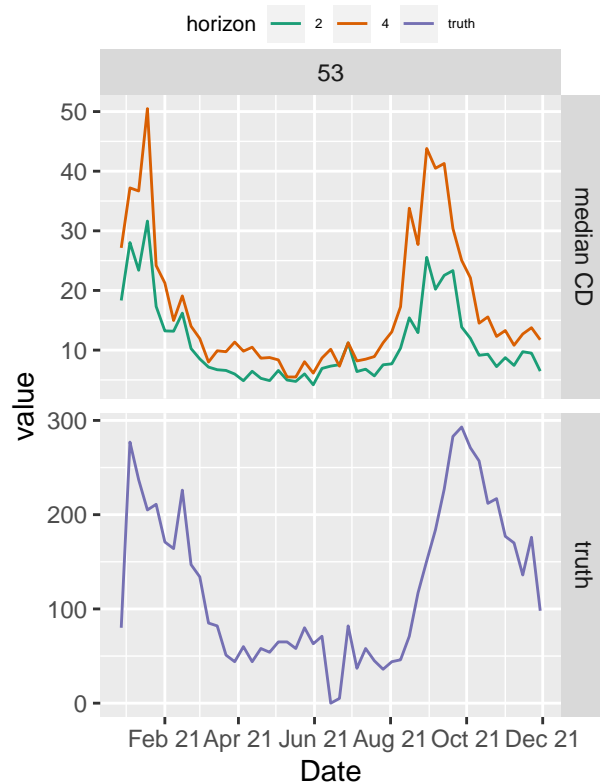
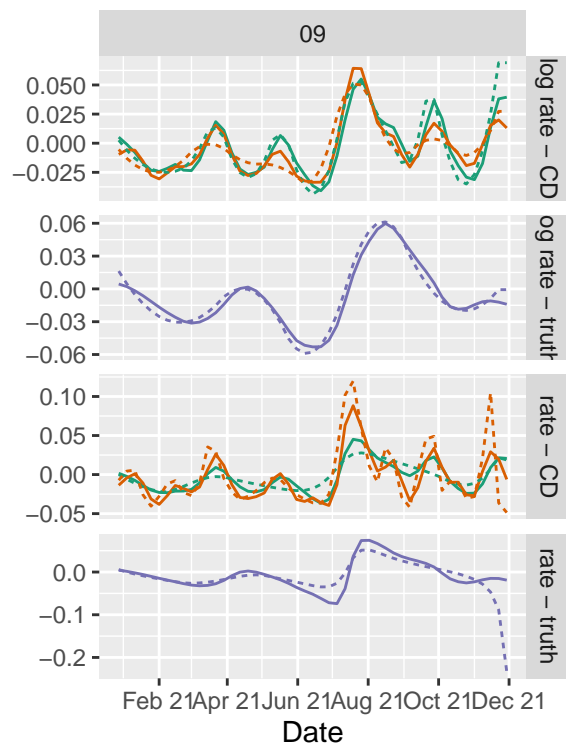
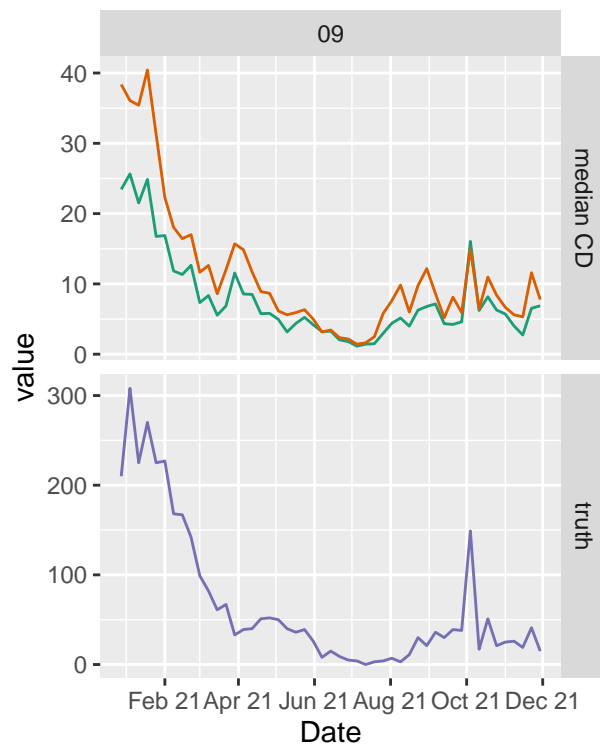


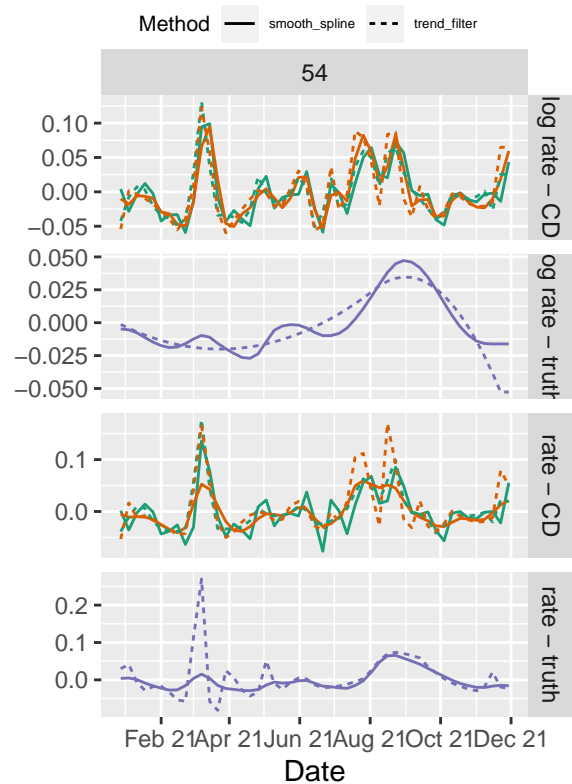
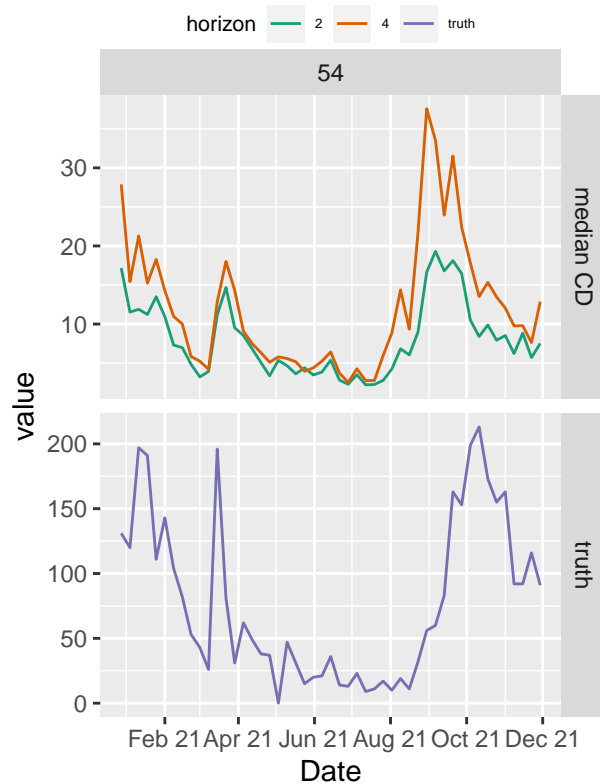
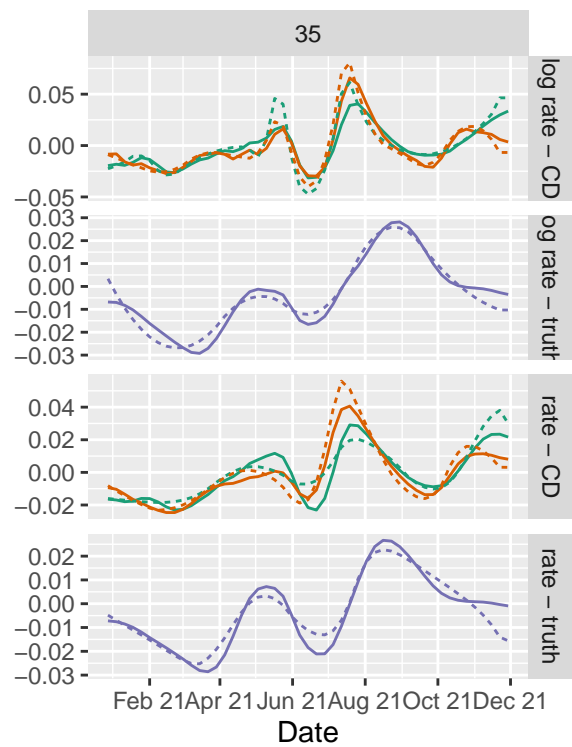
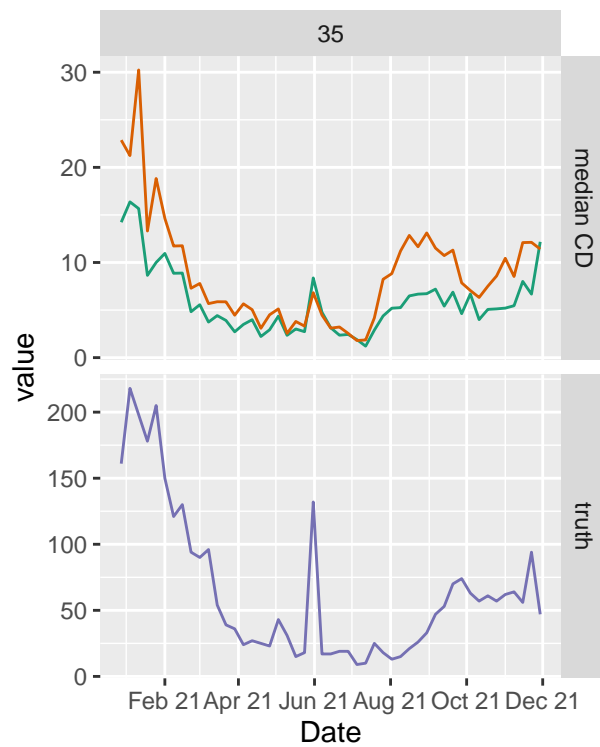
horizon — 2 — 4 — truth

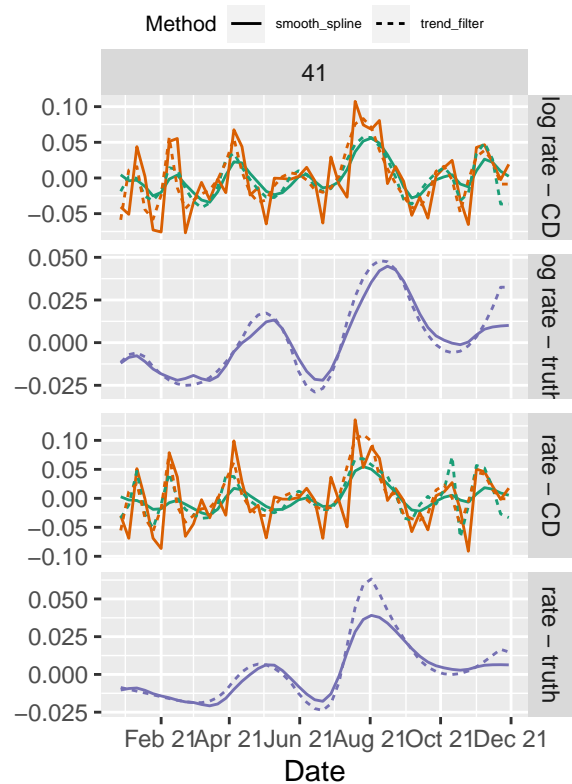
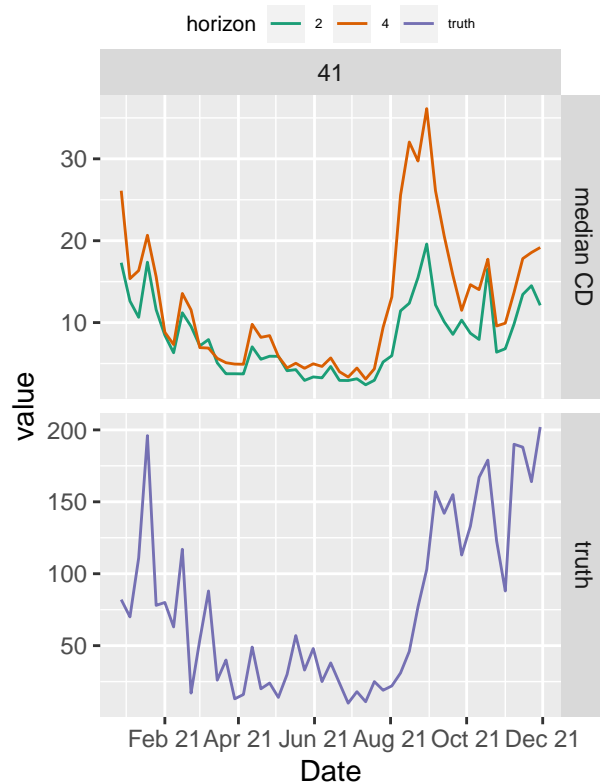
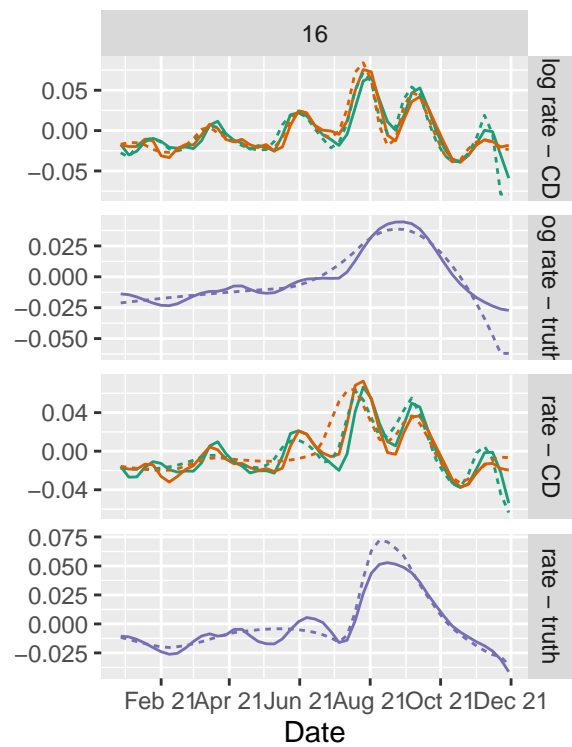
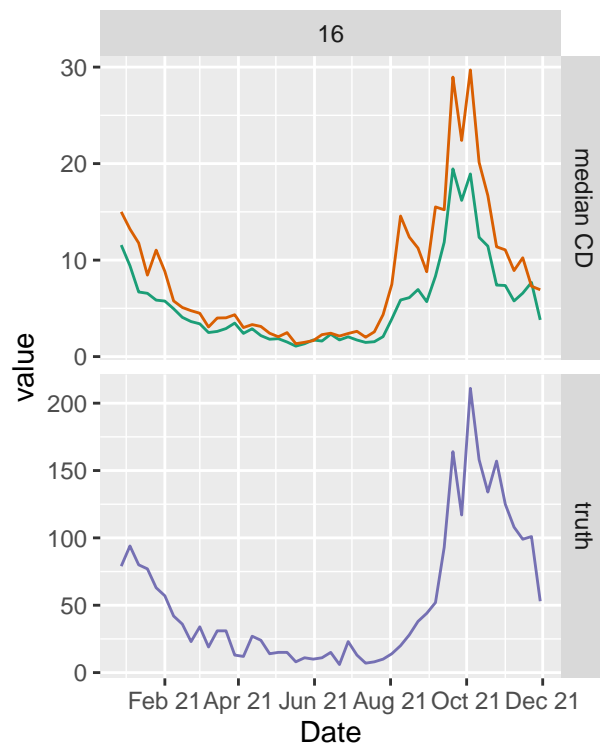
Method — smooth_spline — trend_filter

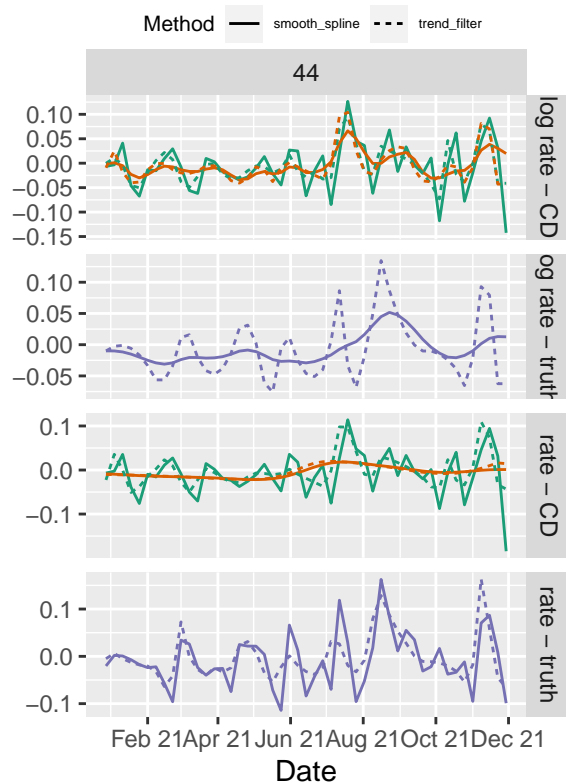
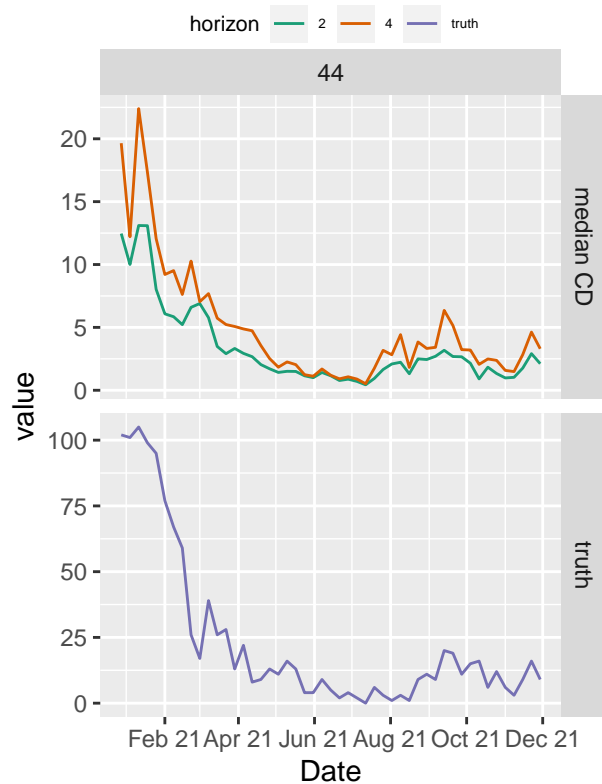
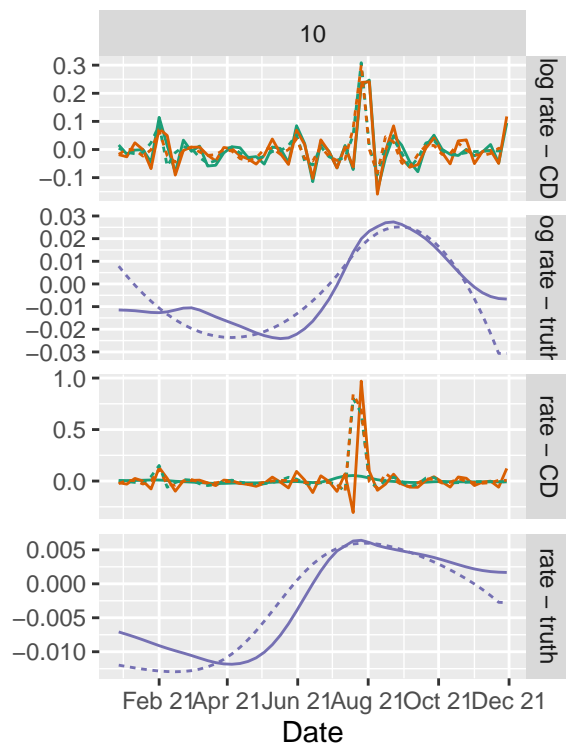






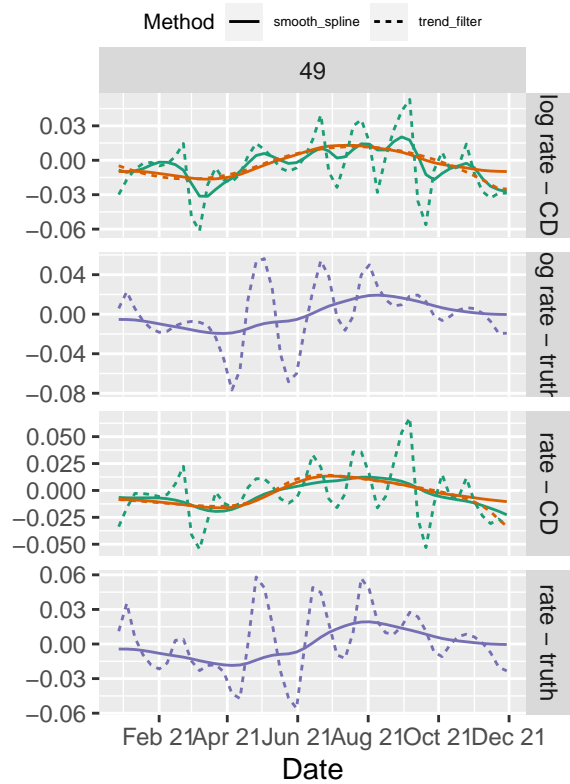
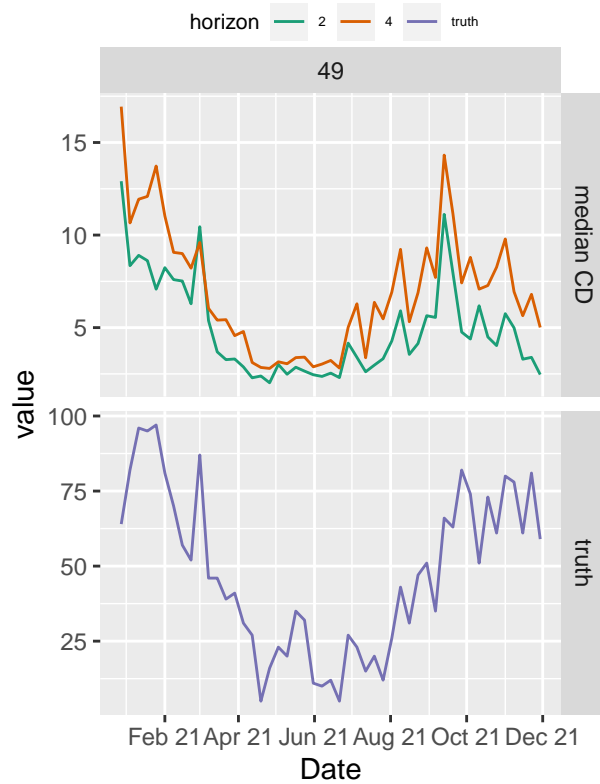
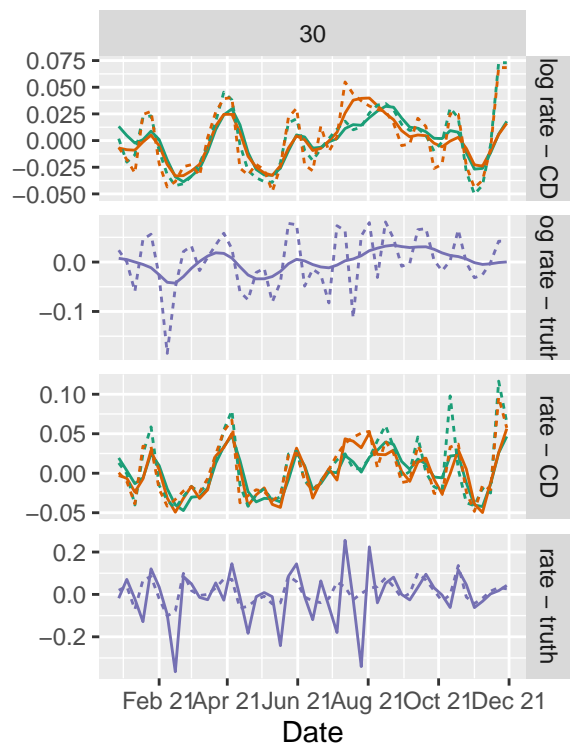
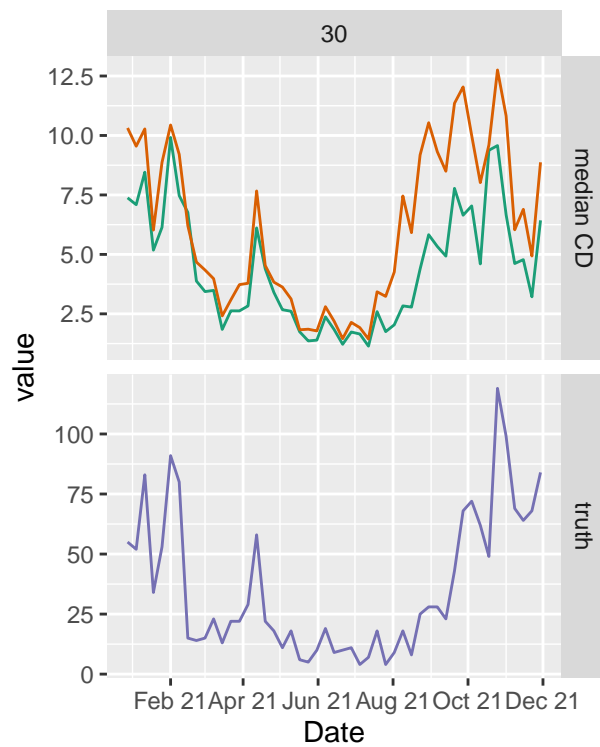


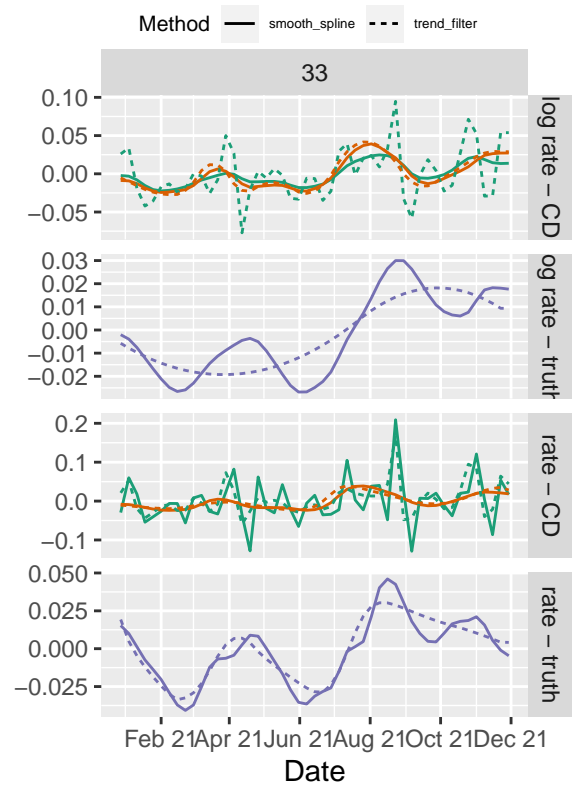
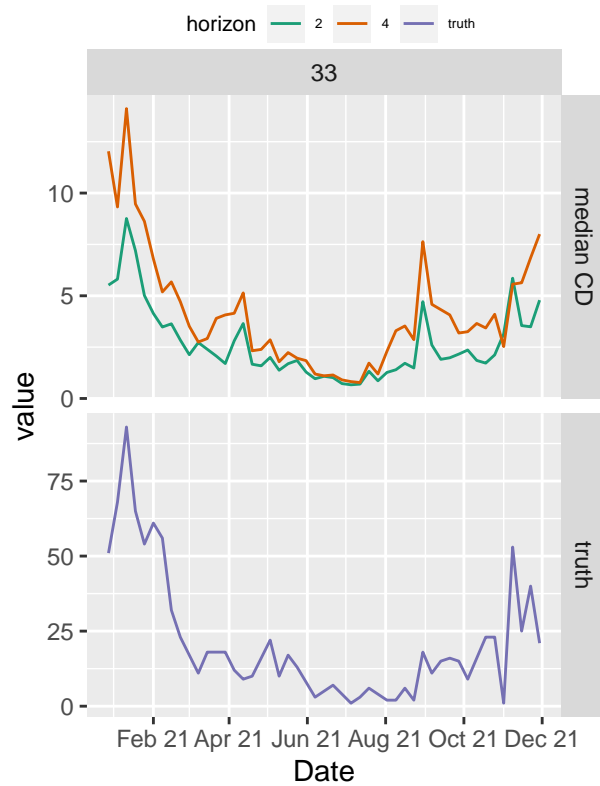
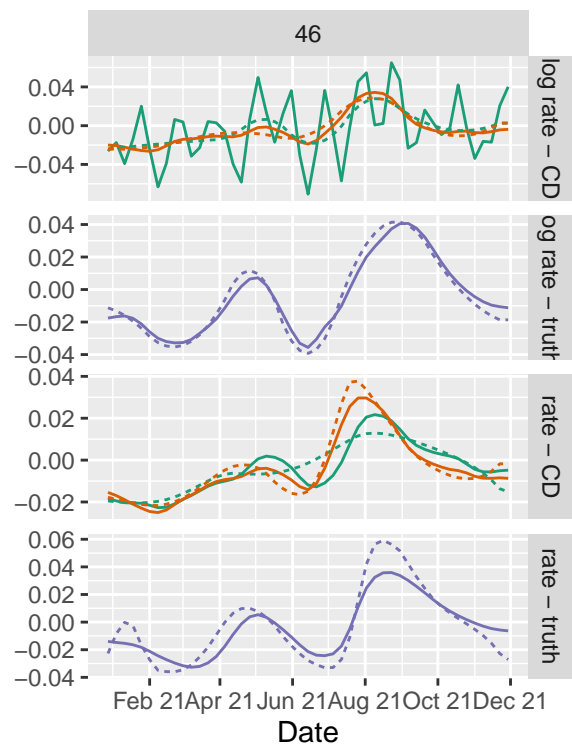
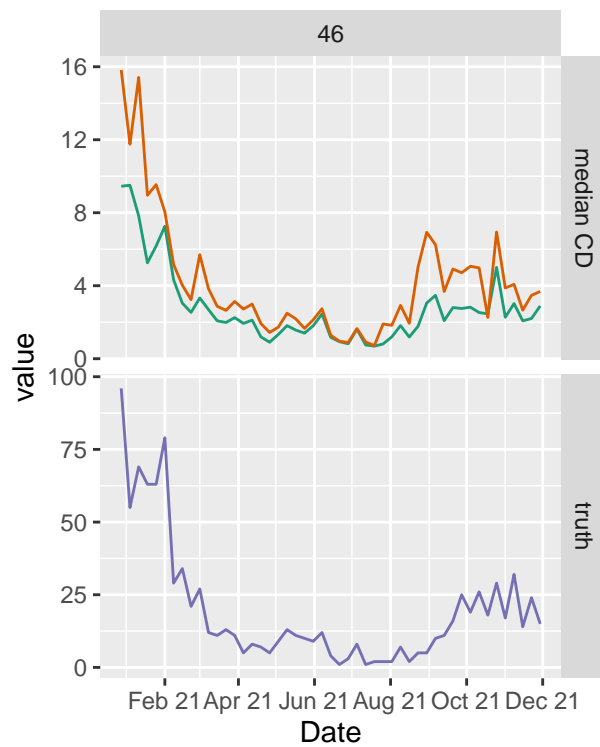


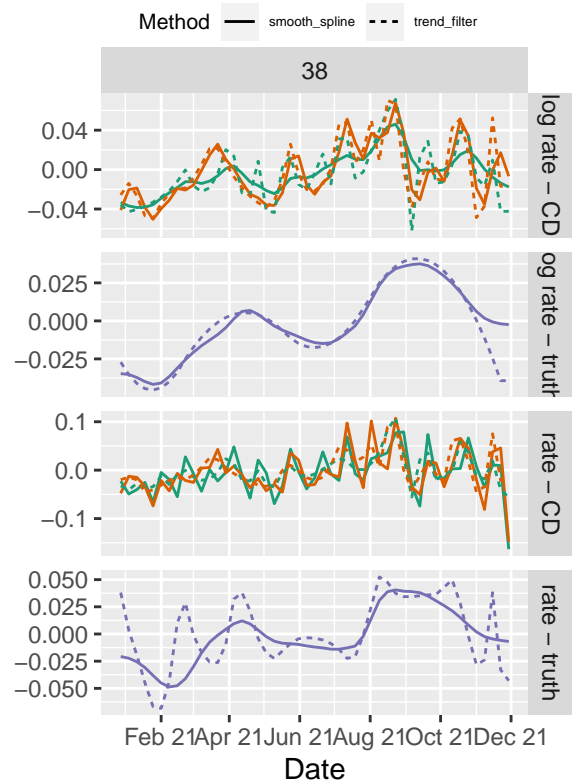
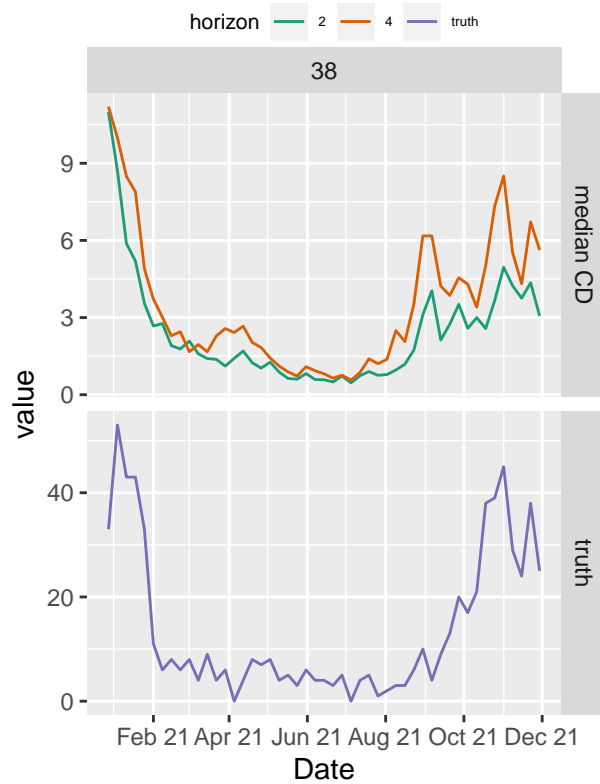
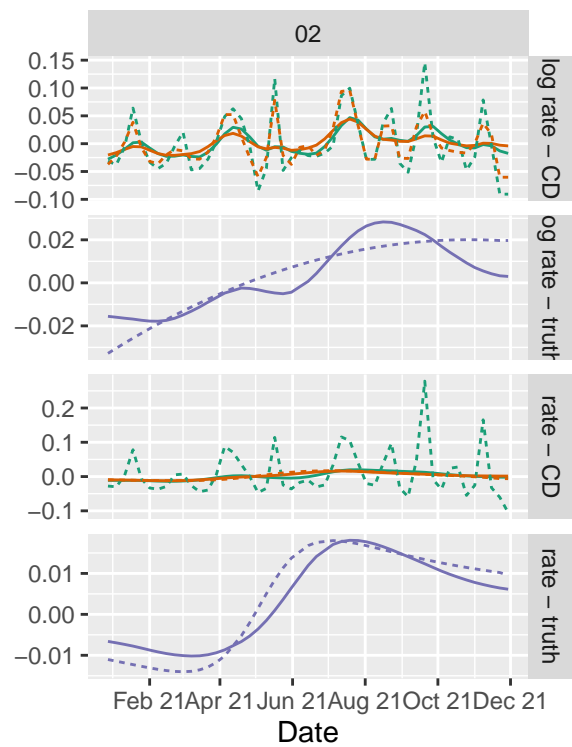
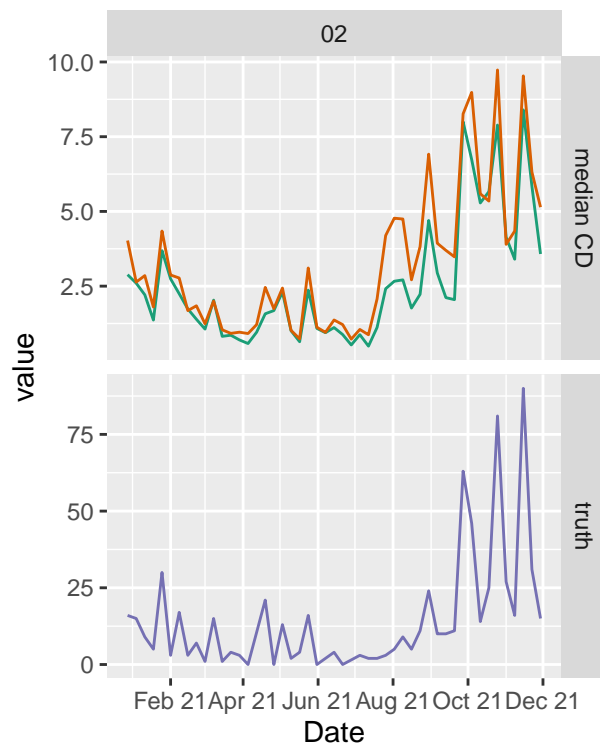


horizon 2 4 truth

Method smooth_spline trend_filter







horizon

2

4

truth

Method

smooth_spline

trend_filter

