Earlier this year, EPA announced a retroactive update to PM 2.5 data collected at stationary air monitors that used a specific sensor model between 2017-2023. In 2023, over 400 monitors—nearly half of all PM 2.5 monitors—with over 2 million hourly observations were affected by this change. On a per-monitor annual average, the change lowered PM 2.5 readings by 1.14 mg/m3 or by 14.7 percent.

We intend to write up a “user’s guide” to correctly using this very important data source because the research community does not seem to be aware of the correct. We are in the early stages of the project.