

SCENARIO

You manage a network of air quality sensors in Los Angeles, California. You want to identify if there were any air pollution hotspots in the area during the month of January 2023. Use the Clarity Dashboard to investigate air pollution within your network using the steps below.

If you run into any issues, please visit our [Dashboard documentation on the Knowledge Base](#).

1 Log into Clarity Dashboard

Login at: <https://dashboard.clarity.io/>
Username: bootcamper
Password: Clarity*Dash*202306

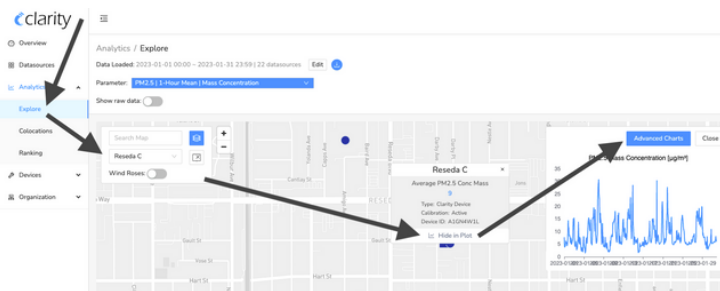
2 Review Rankings

Use the "Edit" button to set the Dates Loaded to January 1st - January 31st, 2023. Then, Identify the Clarity sensor (not reference station) with the highest PM 2.5 mass concentration readings in the area.



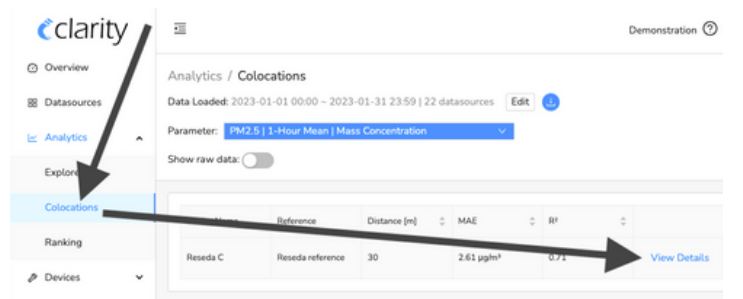
3 Explore Nearby FEMs

Go to the "Explore" tab. Navigate to the sensor identified in step 1 and compare its data with a nearby reference station. This will help you evaluate whether FRMs also saw increased PM2.5 air pollution.



4 Assess Collocation

Head to the collocations tab to look at MAE and R^2 and confirm that sensor data are in line with reference monitors. See our [whitepaper here for more on \$R^2\$ and MAE](#).



4

To complete the homework assignment, take a screenshot of the "Collocations" tab displaying calibrated data for the month of January 2023, and upload it in the form below.