Can individuals use smoke forecasts for personal decision making? A call to action

Renato Berlinghieri*, David Burt*, Paolo Giani, Arlene Fiore, Tamara Broderick

- A person needs to go out during the day to take care of a sick family member. They are flexible about exactly when and want to limit PM2.5 exposure. Can they use model forecasts to decide when to go out?
- We analyze extreme events and look at cities across the continental US.
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San Francisco, CA from 2023-09-19 to 2023-09-24

- Observed PM2.5
- Morning PM2.5
- HRRR-Smoke
- CAMS PM2.5
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Can we do better?