Accurate and Scalable Gaussian Processes for Fine-grained Air Quality Inference

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Overview

- Air pollution kills nearly 8 million people annually worldwide.
- Fine-grained monitoring can assist effective policy making.
- Countries across the world have sparse and non-uniform stations, especially developing countries have far less stations than required.
- Installation and maintenance of stations is costly, thus we propose scalable Bayesian а non-parametric model for air quality inference.













Space

Approach: Gaussian processes

Baselines

GitHub: github.com/patel-zeel/AAAI22