

Air Pollution Source Apportionment and Health Effects Models

Thomas Lumley

University of Washington

ABSTRACT: Particulate air pollution comes from a variety of sources that have different physical, chemical, and political characteristics. Attributing health effects of pollution to specific sources would be very valuable. Unfortunately source contributions are not directly measurable and must be imputed. I will discuss the source apportionment (receptor) models used for imputation and the problems of inference about source-specific health effects.