



**Mode 1**

Formalassurements

and regions

*i* = 1, , *j*

$n = 1, \dots, N$

$$\log(PM_{2.5,n_j}) \sim N(\alpha + \beta \log(sat_{n_j}), \sigma)$$

**Exploratory data analysis**

building a network of models



# Exploratory data analysis

building a network of models

For measurements  $n = 1, \dots, N$   
and regions  $j = 1, \dots, J$

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For measurements  $n = 1, \dots, N$   
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## Models 2 and 3