Advanced Secondary Analysis of Large-scale Assessments in Education:

A Discussion of Methods

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V Seminar: "INVALSI data: a tool for teaching and scientific research"

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UNIVERSITY OF BATH

Centro UC
Medición - MIDE

KU LEUVEN

Inverse slide

First bullet, of incremental bullets

Second bullet

Third bullet

Common slide

- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, **sunt in culpa qui officia deserunt mollit anim id est laborum**.

- Some equation:

$$y_{ij} = \alpha + \epsilon_{ij}$$

- Text with greek letters within, α, some other text ϵ_{ij}.

- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, **sunt in culpa qui officia deserunt mollit anim id est laborum**. Other equation here:
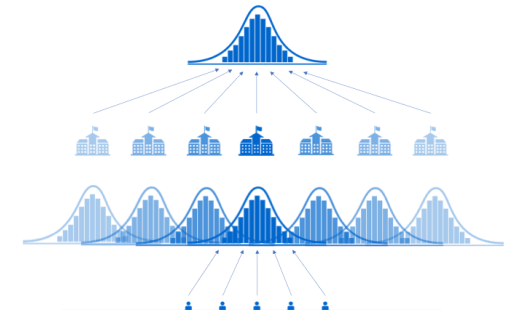
$$y_{ij} = \alpha + \mu_{0j} + \epsilon_{ij}$$

- More text with greek letters within α, other greek letter μ_{0j}, and a final greek letter hereϵ_{ij}.
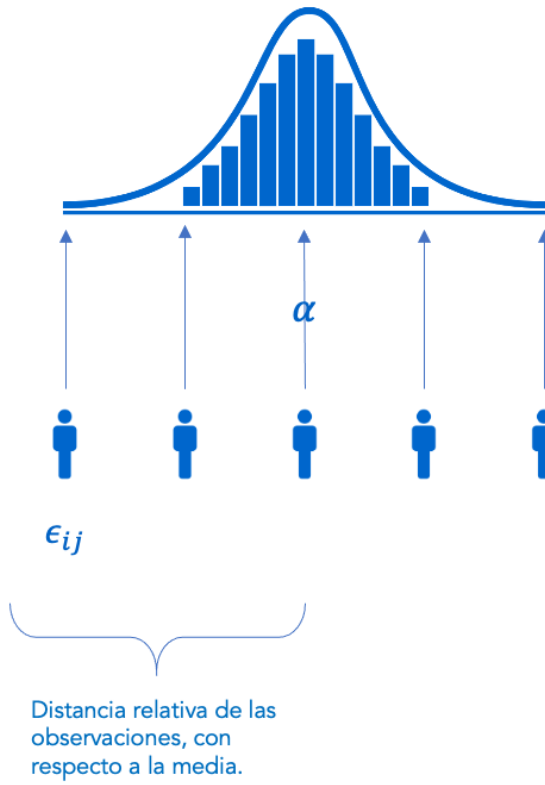
Regression as a mean model
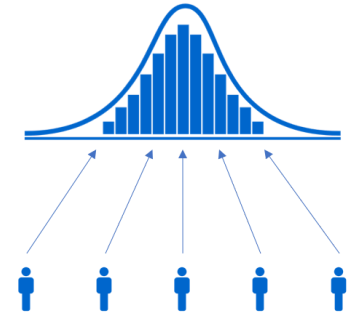
Mixed model as a model of different means

Note: This is diagram on the side.

α

ϵ_{ij}

Distancia relativa de las observaciones, con respecto a la media.
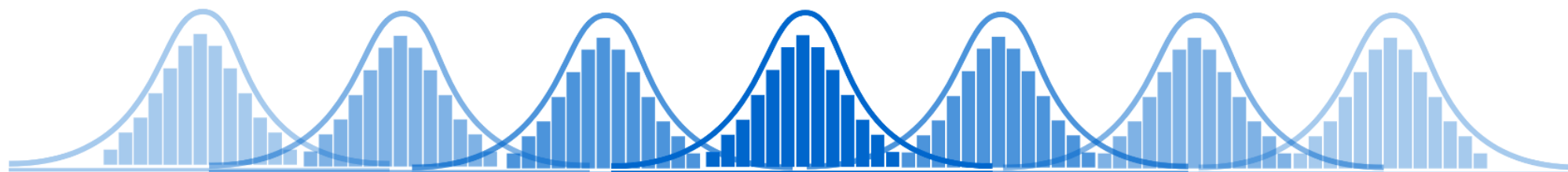
α
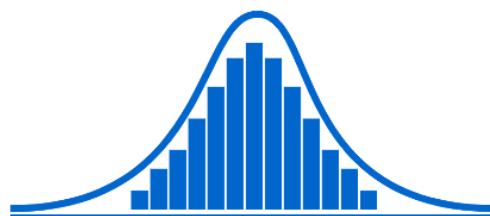
Distancia relativa del grupo con respecto al centro de las medias de todos los grupos.

μ_{oj}

Distancia relativa de la observaciones, con respecto a la media del grupo.

ϵ_{ij}

Muchas Gracias!

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