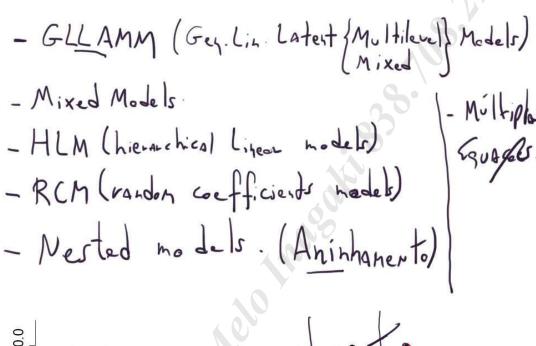
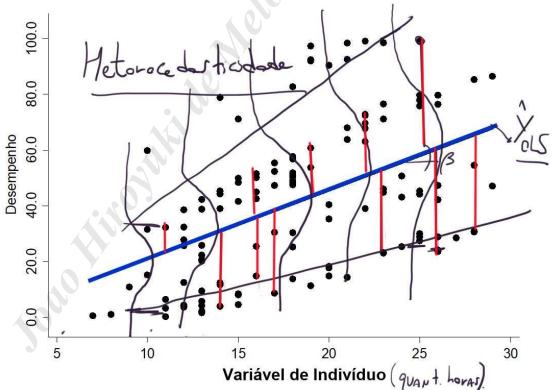
Prof. Luiz Paulo Lopes Fávero

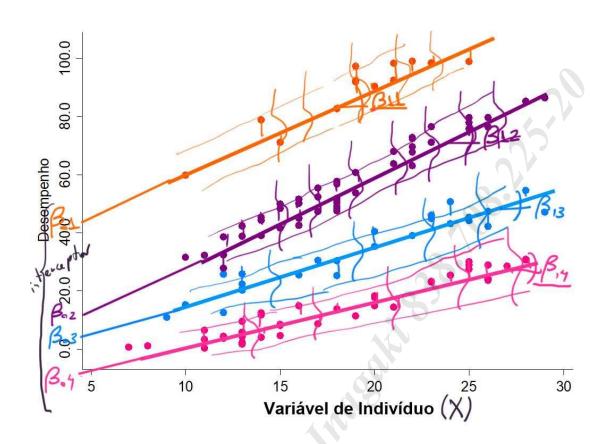
Modelos Lineares Generalizados Multinível (GLMM)





MATERIAL COMPLEMENTAR

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$$Y_{ij} = \underbrace{\left(\gamma_{00} + \gamma_{01}.W_j + \underline{\nu_{0j}}\right)}_{ \begin{subarray}{c} \textbf{intercepto com} \\ \textbf{efeitos aleatórios} \end{subarray}}_{ \end{subarray}$$

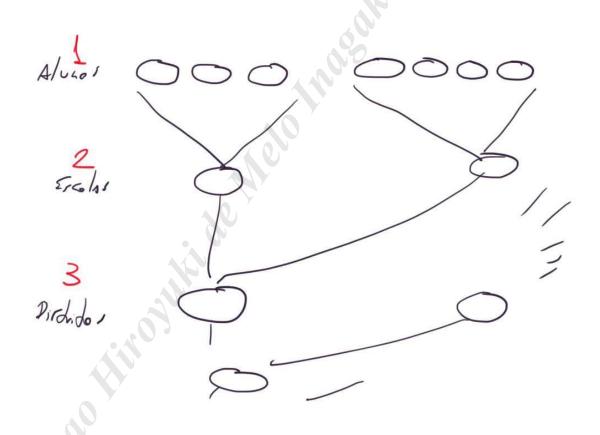
$$\underbrace{\left(\gamma_{10}+\gamma_{11}.W_j+\underline{\nu_{1j}}\right)}_{\begin{array}{c}\textbf{inclinação com}\\\textbf{efeitos aleatórios}\end{array}}.X_{ij}+\varepsilon_{ij}$$



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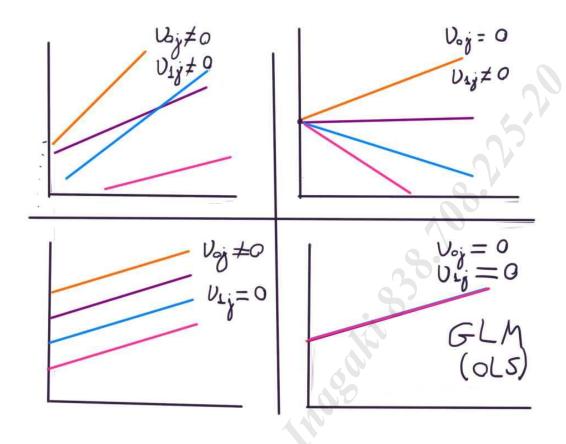
$$Y_{ij} = \underbrace{\gamma_{00} + \gamma_{10}.X_{ij} + \gamma_{01}.W_j + \gamma_{11}.W_j.X_{ij}}_{\textbf{Efeitos Fixos}} + \underbrace{\gamma_{0j} + \gamma_{0j}.X_{ij} + \varepsilon_{ij}}_{\textbf{Efeitos Aleatórios}}$$

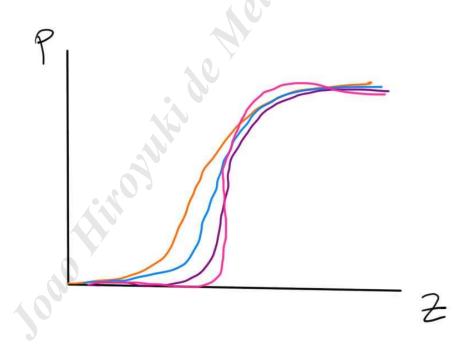
$$Y_{\lambda} = \underbrace{\langle \langle \rangle \rangle}_{\textbf{A}} + \underbrace{\langle \rangle \rangle}_{\textbf{$$



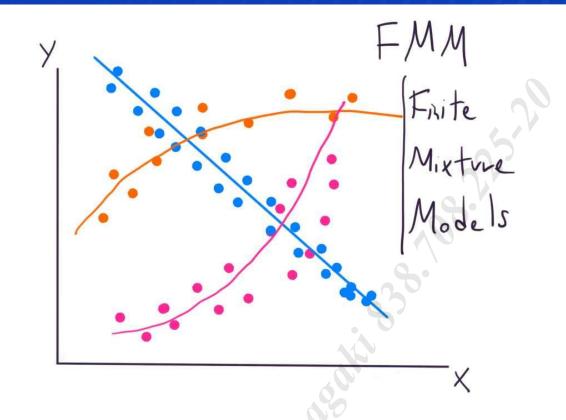
MBAUSP ESRLQ

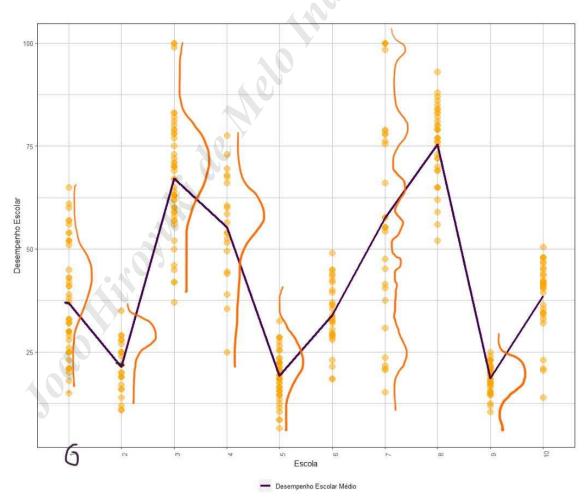
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Fixed effects: desempenho ~ 1 Value Std.Error DF t-value p-value (Intercept) 42.38711 6.468659 348 6.552689 0