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models at all
$$y = X\beta + \xi$$

fitty is durage LS
min $\sum_{i} (y_i - E(y_i))^2 = SS(\beta)$
R is using Im in all cases.
maker an nx1 or of y's
nxp metrex X - model.matrix
(even if you ark for aov)

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$$\begin{aligned} \sum_{\substack{n \in I \\ n \in I}} f_{n} f_{n}$$

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$$\frac{f_{xz} - f_{z}}{f_{z}} = \frac{1}{2} \quad \text{if there is a fully in sample i}$$

$$y_{i} = \frac{1}{2} \quad \text{if there is a fully in sample i}$$

$$z_{i} = purify index for sample i$$

$$z_{i} = -1 \quad \text{if method} = \text{standard}$$

$$+1 \quad \text{if method} = \text{modefield}$$

$$i = 1, ..., 44 \quad 22 \quad \text{barbder, direction fully}$$

$$- \text{lef analysis prives } z_{i}$$

$$\text{and was prives } z_{i}$$

$$\text{and was prives } pairing \quad (prived t-tost \longrightarrow binary arspire)$$

$$- \text{ regulation analysis prives prives } p \quad put \text{models } 444 \quad \text{modef } \text{ds}^{2}$$
Not the model
$$y_{i} = d + \beta_{i} z_{i} + \beta_{x} z_{i} + z_{i}$$

$$E_{i} \sim (o, \sigma^{1})$$

$$P_{1}(y_{i} = 1) = p_{i} = \frac{e^{d} + \beta_{i} z_{i} + \beta_{x} z_{i}}{1 + e^{d} + \beta_{i} z_{i} + \beta_{x} z_{i}} = Ey_{i}$$

$$\text{Fandom } y_{i} = 4 \quad \text{if } p \quad p_{i}$$

$$\log \left(\frac{p_{i}}{1 - p_{i}}\right) = d + \beta_{i} z_{i} + \beta_{i} z_{i} \quad p_{i} \text{ordefield}$$

$$\log - \text{odds ratio} \quad (\text{wordef } f_{i} \text{ with probability})$$

$$\text{slight diff.} \quad \log \left(\frac{p_{i}}{1 - p_{i}}\right) = \left\{d + \Delta + \beta(z_{i} - z_{i}) \quad \text{sld.} \\ d - \Delta + \beta(z_{i} - z_{i}) \quad \text{wod.} \\ z_{i} = +1 \quad \text{sld.} \qquad \Delta \text{ without of } \beta_{i}$$