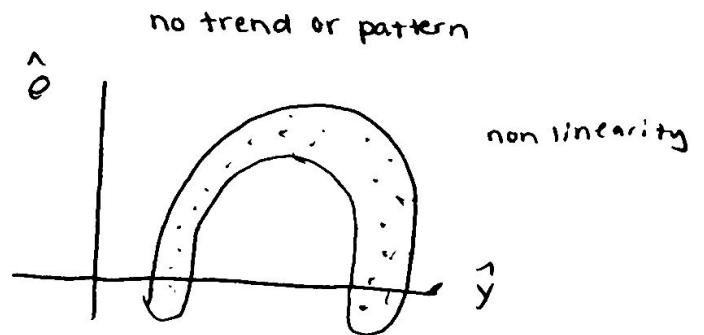
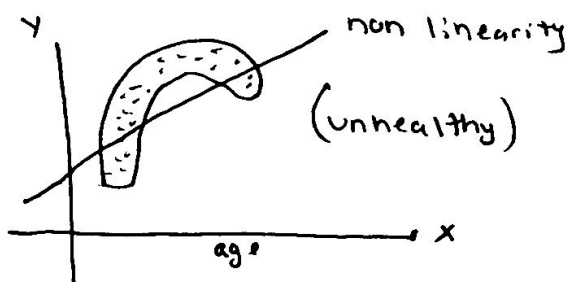
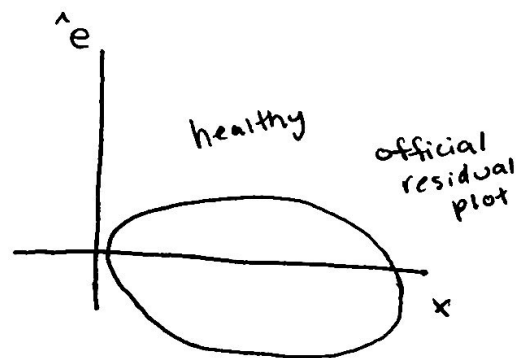
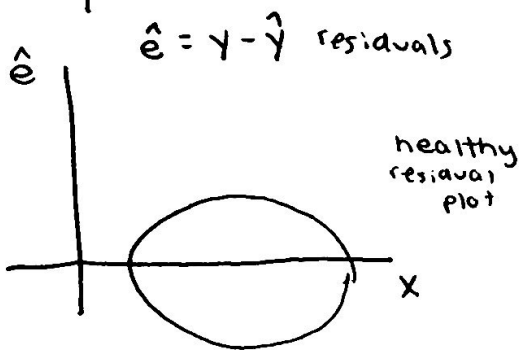
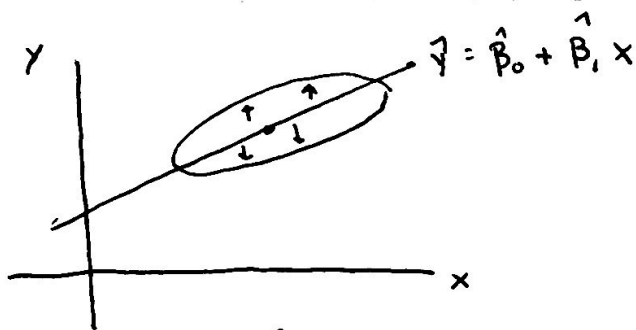
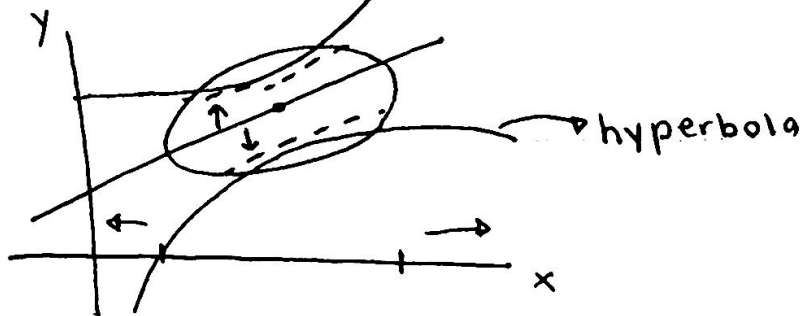


This time: ANOVA
 Next time: ↓

There is discussion this week

Read: LN pp. L- [269] → [282]



Analysis of Variance = ANOVA

$$\frac{1}{n} \sum_{i=1}^I n_i \cdot \bar{y}_i$$

Grand Mean (estimate of μ)

n = total
sample size

$$\text{null: } \mu_1 = \mu_2 = \mu_3 = \mu$$

Alt: not so

$$\sum_{i=1}^I n_i (\bar{y}_i - \bar{y})^2$$

SS_B = Sum of squares between groups
↳ kg^2

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favor alt. if SS_B is big

$$\frac{1}{I-1} \sum_{i=1}^I n_i (\bar{y}_i - \bar{y})^2 = \frac{SS_B}{DF_B} = MS_B$$