

Faculty of Health Sciences

Undervisning

Sider til at tegne på.

Lene Theil Skovgaard

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s.9

$$boc = \gamma \cdot e^{-\frac{\beta}{\text{days}}}$$

$$\log(boc) = \log(\gamma) - \frac{\beta}{\text{days}}$$

Når days bliver meget stor,
vil dette nærme sig $\log(\gamma)$

s.23

$$y = \beta_0 + \beta_1 X + \beta_2 X^2$$

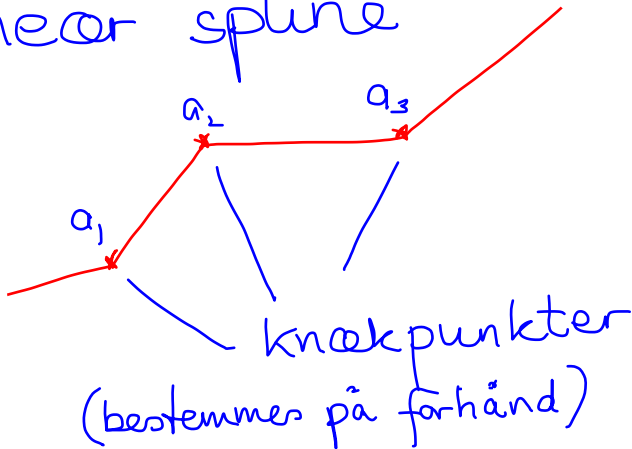


Test: $\beta_2 = 0$

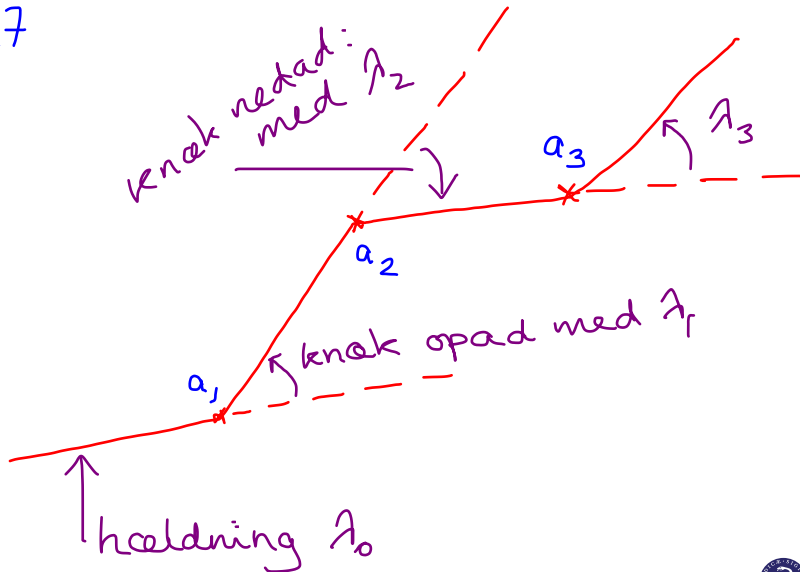
svarer til test
af linearitet

s. 27

Linear spline



s.27



s.35

Michaelis-Menten kinetik

$$V = \frac{V_{\max} \cdot C}{K_m + C}$$

Linearisering

$$y = \frac{1}{V} \quad x = \frac{1}{C}$$
$$\frac{1}{V} = \frac{K_m + C}{V_{\max} \cdot C} = \underbrace{\frac{K_m}{V_{\max}}}_{\beta} \underbrace{\frac{1}{C}}_{\alpha} + \underbrace{\frac{1}{V_{\max}}}_{\alpha}$$

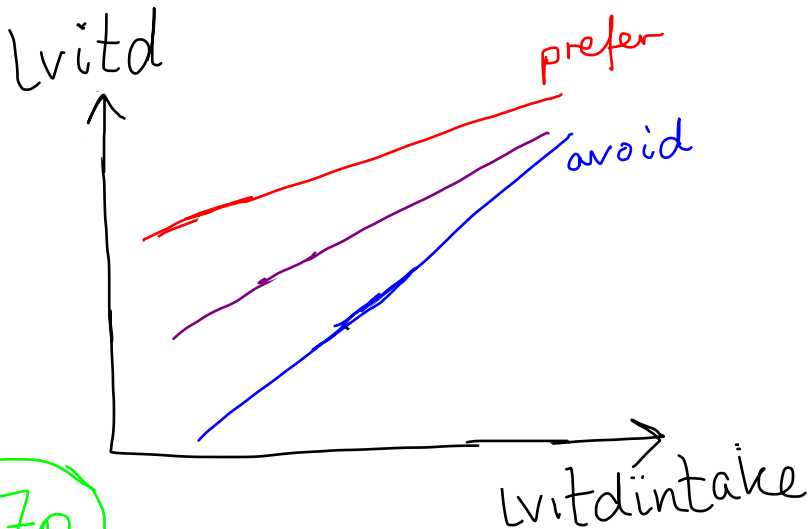
s.37

Startværdier

$$y = \beta (1 - e^{-\gamma t})$$

Asymptote : $t \rightarrow \infty$
 $y \rightarrow \beta$

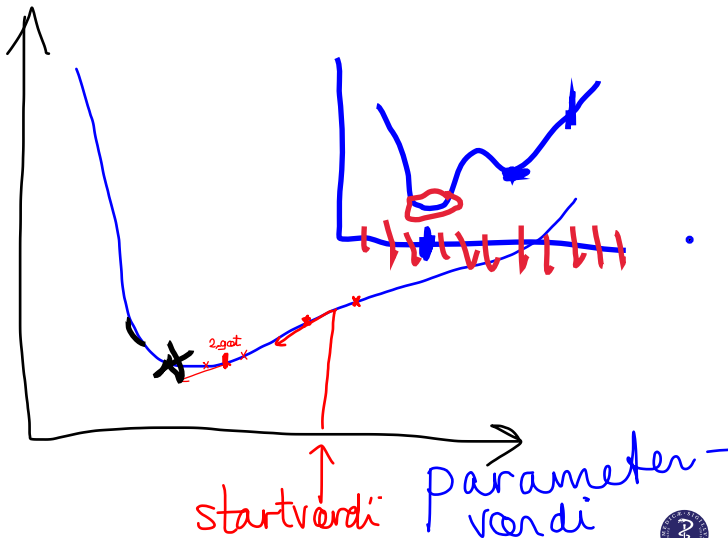
Initial hældning $\gamma\beta$,
herfra fås γ på γ



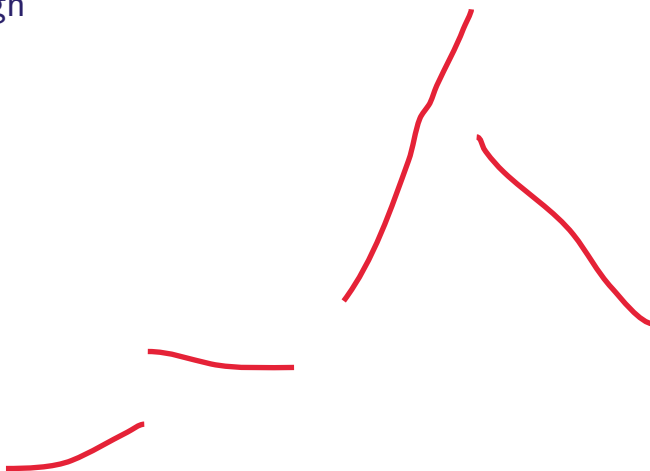
s.70

5.38

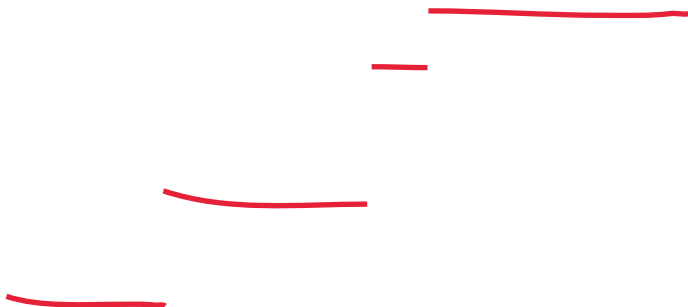
kvadratsum af residualer



Tegn



Tegn



Tegn



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