There are two options for computing the retrainment region (and ascertaining whether the estimate is inside of this region). (1) on the scale (in the unit of the estimate)(2) on a standardized scale $X_1,1,...,X_1,n_1$ iid $N(theta_1, sigsq_1)$ indep of $X_2,1,...,X_2,n_2$ iid $N(theta_2, sigsq_2)$ $\Rightarrow \hat{\theta}_{1} - \hat{\theta}_{2} = \overline{X}_{1} - \overline{X}_{2} \sim N(\theta_{1} - \theta_{2}) \left[\frac{\sigma_{1}^{2}}{2} \right]$ sampling distribution $\partial_{1} - \partial_{2} \sim N(0) \sqrt{\int_{\frac{C_{i}}{L_{i}}}^{C_{i}}}$ ~ N(0,1) (), - D, STO := standardized sampling distribution >(\hat{\hat{\theta}}, - \hat{\theta}_{\tau}) _{STD} P(Type I on / Ho) DGP: iid Bern(theta): One sample z-test, One sample t-test,
Two sample z-test unequal variances
Two sample z-test equal variances
Two sample t-test equal variances (you use the s_pooled) Two sample t-test unequal variances (approximate via Welch-Satterthwaite's T approx with weird-looking df formula ich Dern(0) 0=x= #1,2 ~ brown X,.., X, $P(X_1 = 1) = \frac{6}{6+3}$ h D $\mathbb{P}(X_{z}=1 \mid X_{i}=1) = \frac{5}{5+5}$ 000 $P(X_1=1) = 0$ If N=00 $P(X_{z}=1|X_{1}=1)=\Theta$ (N) here N D= 0,4 400,000 + 399,999 (HWZ, 3(d)) X,..., X, it N(O, 02). 62 yeksowa $\partial_{\mathbf{m}} = \frac{\partial - \partial_{0}}{\delta E} = \frac{\partial - \partial_{0}}{\delta E} = \frac{\partial - \partial_{0}}{\frac{5}{5}} = \frac{\partial - 65}{\frac{7}{5}} \sim T_{q}$ 57. Sylmuser 7 2=51.

Sylmuser 7 2 51.

1.83)

RET - REJ - R X,~ Ben (6) $P(X_1 = 1) = \frac{6}{7}$ $\Rightarrow PEPERE$ $P(\chi_2 = | \chi_{i=1}) = \frac{5}{\varphi}$ $P(X_2 = 1) = \frac{6}{9}$ \Rightarrow jobar, distr. $\mathbb{P}(X_{z-1} \mid X_{z-1}) \mathbb{P}(X_{z-1}) + \mathbb{P}(X_{z-1} \mid X_{z-n}) \mathbb{P}(X_{z-n})$ POW /// // = 5-1. P/9/Hy-01 / 00-1.65.50 $\frac{\hat{\theta}_{1} - \hat{\theta}_{2}}{SE}$ | $N_{0} \sim N(0,1)$ $= P(\hat{\partial} | H_o < \hat{\hat{\partial}}_i - \hat{\hat{\partial}}_i)$ $= P(Z < \hat{\partial}_i - \hat{\hat{\partial}}_i) = P(Z < -1)$