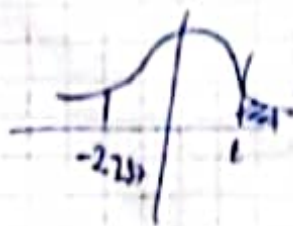


① $n_1 = 17, \bar{x} = 31, s_1 = 14.38$

$n_2 = 13, \bar{x} = 19.78, s_2 = 10.58$

$H_0: \mu_1 - \mu_2 = 0$

$H_1: \mu_1 - \mu_2 > 0$



② $[G_1^2 - G_2^2] \quad t = 2.2377$

$\alpha = 0.02, \text{Sig} = \frac{0.025}{2} \cdot p = 0.0125$

H_0 אינו נדחת כי t אינו נמצא

③ ④ $H_1: \mu_1 \neq \mu_2, H_0: \mu_1 = \mu_2$

$H_0: \mu_1 - \mu_2 = 0$

$H_1: \mu_1 - \mu_2 \neq 0$

} $\frac{1}{2}$ $\frac{1}{2}$

⑤ $n_1 = 9, s_1 = 61.1$

$n_2 = 8, s_2 = 78$

$[G_1^2 - G_2^2]$: t $\frac{1}{2}$ $\frac{1}{2}$

$t = -2.154$

$df = 9 + 8 - 2 = 15, \text{Sig} = 0.08$

$\frac{0.08}{2} = 0.04 = p$



$\alpha = 0.05$

$\frac{\alpha}{2} = 0.025$

$p < \alpha$

H_0 נדחת

$\alpha = 0.01$

$\frac{\alpha}{2} = 0.005$



t $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

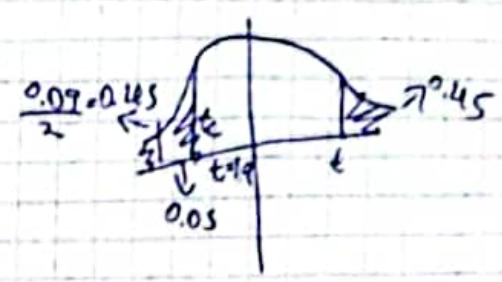
H_0 נדחת

7.2.21

202

6

(k) $H_0: \mu_1 - \mu_2 = 0$
 $H_1: \mu_1 - \mu_2 < 0$



(r)

פ'תות מ
 .1215

(c)

$\alpha = 0.05 \rightarrow$ level

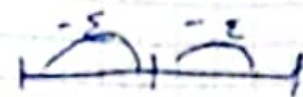
$0.05 > 0.45$ $\rightarrow$ $\rightarrow$

$\downarrow$

רמת חשיבות

הי -

הו מוחים א

④  $\bar{x} = 689.8$

$\rightarrow 1.211$

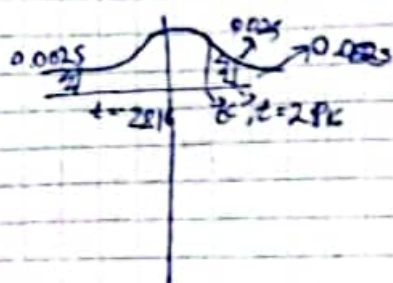
$$E = t(7, 0.005) \cdot \frac{28.012}{\sqrt{8}}$$

$$3.5 \cdot \frac{28.012}{\sqrt{8}}$$

$$E = 96.5$$

$$689.88 \pm 96.5 \rightarrow 593.38 < \mu < 786.4$$

⑨ $H_0: \mu_1 - \mu_2 = 0 \rightarrow \text{no diff}$
 $H_1: \mu_1 - \mu_2 \neq 0 \rightarrow \text{diff}$



$\rightarrow \text{Sig} = 0.025$

$t = 2.816$

$\frac{0.05}{2} = 0.025$

⑦ $\alpha = 0.05$

$\frac{0.05}{2} = 0.025$

pf level is t_c

H_0 is not rejected

$$\frac{8}{\text{K}} \quad \text{K} - 1 = 2 \rightarrow \text{בגודל } 3$$

$$2 \text{ דגמים}$$

202

$$\text{P} \quad MSB = \frac{120.221}{2} = 60.1105$$

$$MSW = \frac{582.179}{37} = 15.7345$$

$$F = \frac{MSB}{MSW} = \frac{60.1105}{15.7345} = 3.8202$$

$$\text{C} \quad P.V = 0.031$$

$$P.V > \alpha = 0.01 \rightarrow \text{יש להסיר את ה-H0 פחות מ-1\%}$$

$$P.V > \alpha = 0.05 \rightarrow \text{יש להסיר את ה-H0 פחות מ-5\%}$$