1. MENU => 6 => 2 -> AC => CPTN => 3

a)
$$b_0 = 18.58$$
 $N = 0.49$ $Ex = 737$ $Ey = 658$ $Ex^2 = 6247 + Ey = 55298$
 $f(x) = b_0 + b_1 x$ $f(x) = 55298$
 $f(x) = 55298$
 $f(x) = 2024, 89$ $f(x) = 3872.89$ $f(x) = 3872.89$

2.
$$X_1 = X | 0 | 1 | 2 | 3 | 4 | 5 | 6$$

 $Y_2 = X^2 | 0 | 1 | 4 | 9 | 16 | 25 | 36$
 $Y | 1 | 4 | 5 | 3 | 2 | 3 | 4$

a)
$$\hat{J} = b_0 + b_1 x + b_2 x^2$$
 $b_0 = 2.238$

može u kolk. is 60 koo $b_1 = 0.714$

prije $b_2 = -0.095$

b)
$$A = \chi^{\xi} \chi$$
 $\chi = \begin{bmatrix} 1 & 0 & 0 & -1 \\ 1 & 1 & 1 \\ 1 & 2 & 4 \\ 21 & 91 & 441 \\ 91 & 441 & 2275 \end{bmatrix}$ $\begin{bmatrix} 1 & 2 & 4 \\ 1 & 3 & 9 \\ 1 & 4 & 16 \\ 1 & 5 & 25 \\ 1 & 6 & 36 \end{bmatrix}$ $\chi^{\xi} = \begin{bmatrix} 1 & 1 & 1 & 1 & 1 & 1 \\ 0 & 1 & 2 & 3 & 4 & 5 & 1 \\ 0 & 1 & 4 & 9 & 16 & 25 & 36 \end{bmatrix}$

$$A^{-1} = \begin{bmatrix} 0.7617 & -0.464 & 0.0595 \\ -0.464 & 0.4642 & -0.071 \\ 0.0595 & -0.071 & 0.0119 \end{bmatrix}$$

$$d = 0.05$$

$$SSA = n \stackrel{k}{\geq} (\overline{y_1} - \overline{y})^2$$

$$= 63$$

$$\overline{Y} = 17.792$$

$$\overline{y_3} = 18.175$$

$$\sqrt{s} = 18.425$$
 $\sqrt{s} = 18.025$

$$01^2 = \frac{55A}{K-1} = 6.000 1.0077$$

$$n_2^2 = \frac{55E}{6(} = 3.5$$

$$f = \frac{n^2}{n^2} = 0.305$$

$$V_1 = 5$$
 $V_2 = 18$
 $f_{0.05} = 2.7729$

3. b)
Retportable za ANOVU

> normalnost podataka

> homogenest vorijance

> nezovisnost grepa

4. a)	uporeni podaci -> Wilcoxen Sigted-Rank
	Ho: $ \tilde{V}_1 - \tilde{V}_2 = 0$ $ 4 = 0.05 $ H1: $ \tilde{V}_1 - \tilde{V}_2 \neq 0$ * dodjehojo ne rankeri kez obzira na -
127 4587891	0i - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15 $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 3 5 7 -3 2 -1 -3 15$ $10 - 00 4 -2 9 0 5 5 5 9 5 25 1 5 15$ $10 - 00 4 -2 9 0 5 5 5 9 5 25 1 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 5 15$ $10 - 00 4 -2 9 0 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 -2 9 15$ $10 - 00 4 $
	=) Ne ochocytemo Ho
	b) Za testitanje jednakosti parametara 12 rezličitih populacija => Wilcoron Pank-Sum
	c) 1) Ako nu zodevelgene pretpostavke (npr. E-Gester) on de hibi Eodniji ad neparametarskog.

$$\overline{J}(P|X) = \frac{f(x|P)\overline{J}(P)}{g(x)}$$

CZOPAL=
$$(6, P, P)^{3}$$
 $(X-n)$. vor liger high high gleva $X=1$ $(X|P)={3 \choose x} P^{x}q^{3-x}, X=0,1,2,3$

$$4(1|p) = {3 \choose x} p \cdot (1-p)^2$$

$$g(x) = \int_{-\infty}^{\infty} f(1) p dp = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} p(1-2p+p^{2}) dp - \left(\frac{3}{x}\right) \int_{-\infty}^{\infty} (p-2p^{2}+p^{3}) dp$$

$$= \left(\frac{3}{x}\right) \cdot \left(\frac{p^2}{2}\right)^{\frac{1}{0}} - 2 \cdot \left(\frac{p^3}{3}\right) \left(\frac{p^4}{4}\right)^{\frac{1}{0}}$$

$$= \left(\frac{3}{x}\right) \left(\frac{1}{2} - \frac{2}{3} + \frac{1}{4}\right) \qquad \qquad \widehat{\beta} = \frac{1}{3}$$

$$g(1) = {3 \choose 1} \left(\frac{1}{2} - \frac{2}{3} r + \frac{1}{4} \right) = \frac{1}{4}$$

$$T(P|1) = \frac{3P(1-P)^2 \cdot 1}{\frac{1}{4}}, \frac{6 \leq P \leq 1}{1}$$

$$E(51(P11)) = \frac{1}{3} \int_{-1}^{1} P(1-P)^{2} p dp = \frac{1}{3} \cdot \frac{1}{30} = \frac{1}{30} = \frac{1}{30}$$

$$\hat{\rho} = \frac{1}{3}$$

2a x=1 $g(1) = {3 \choose 1} \left(\frac{1}{2} - \frac{2}{3}r^{\frac{1}{4}}\right) = \frac{1}{4}$ C) 95% sme sigurni da

Je p hi6i unuber grenica

intervala (sobeltem na podeble koje imamer)