Ustweeplan ubegeta the octoby gla ysopica

- Trochampaterro 2 Hezabucha TICJ X= (x1,..., Xn1) u y= (y1,..., yn)

get. Iba cry yojha bentuope X 4 y geduhucana Ha uman upatuopy bepstatuhta (1 AP) y Hezabucye ano je P{XEANYEB}= P{XEA}.P{YEB} 3a de A,BEA.

Morre le voicosativ ga ano ly $X = (X_1, X_{n_1}) \cup (Y_1, ..., Y_{n_2})$ Hezubicov, trage ly le trouzborous 2 togbentions, $(X_{i_1}, ..., X_{i_m}) \cup (Y_{j_1}, ..., Y_{j_k})$ transfe Hezabuthe, the y

{in,..., im} < {1,2,..., n, }; {in,...,in} < {1,2,..., n, }

(bue o dan wex HENRIN gowoderc Ha Thopy is Beplainta)

Karo \overline{vg} Hezabuc routy on reject benerous $X_1,...,X_n$ as $\Gamma(Y) X = (X_1,...,X_n)$ suchus the Hezabucsou y \overline{vouv} y to \overline{v} confidence of y to y to

Togetake: $X_1, X_2, ..., X_{n_n}$ by Hesolucue y notive to acco: $P\{X_i \in A_1, 0..., X_{i_m} \in A_m\} = P\{X_i \in A_n\} ... \cdot P\{X_{i_m} \in A_m\}$ a class $\{i_1, ..., i_m\} \subset \{1, ..., n_n\}$ u che gototoje $A_1, ..., A_m$

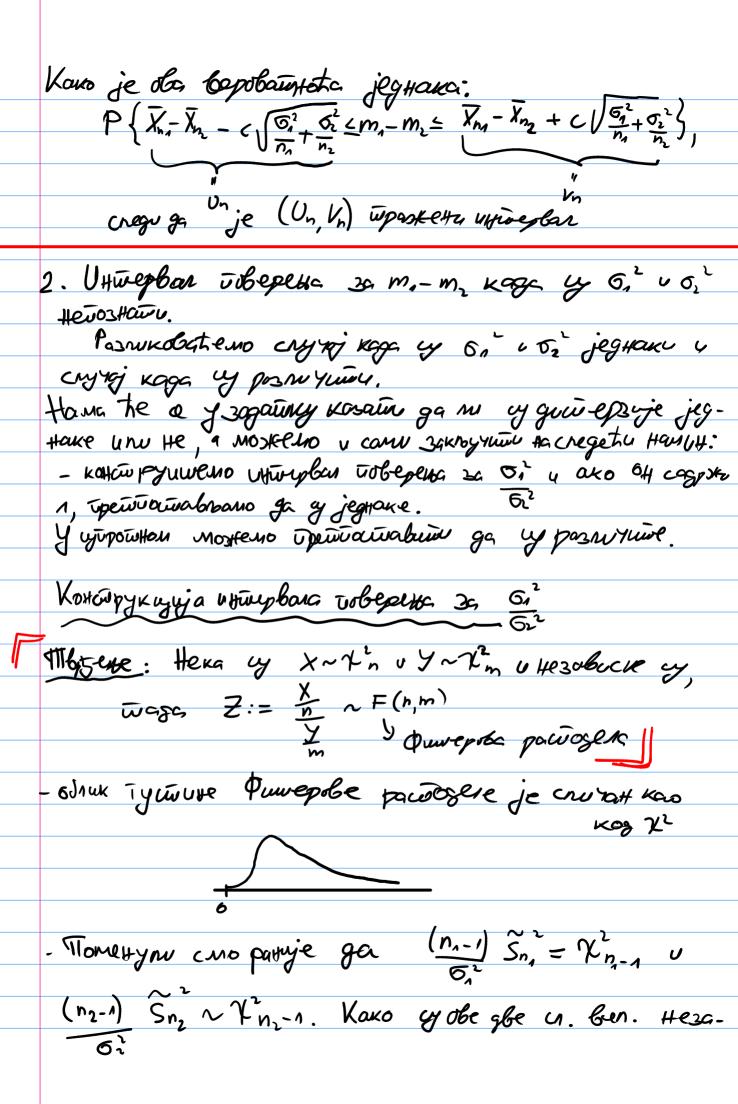
Yewo per "vouvyno" uzacembroano!

Ми treno недање иоспатрати г неговисна ПСУ: (Xn,..., Xn,), Xi n N (mn, 6,2) v (Уn,..., Уn,), Уг~N (m2, 6,2)

Utweepecos at & tex utiveplan integets, 30, ma-mz u 52 522

LO HOWLE. III postuno wostep: Togetabe Ha wbptene: X1, ..., Xn Hezabucue, X; ~W(m; Біт), wage: JOHOBO MEKAUNO Y JOUTYHOUNL a, X, + .. + a, X, ~ N(c, m, +.. + a, m, a, 5,2,...+ a, 5,2) Karo y X1,..., Xn., Y1,... In Herobucue UHODMANHO PUCTO-geneve, Tpena obon whotery books: $\frac{1}{X_{n_1} - Y_{n_2}} = \frac{X_1 + \dots + X_{n_1}}{n_1} - \frac{Y_{n_1} + \dots + Y_{n_2}}{n_2} = \frac{Y_{n_2} + \dots + Y_{n_2}}{n_2} = \frac{Y_{$ $\frac{\overline{X}_{n_1} - \overline{Y}_{n_1} - (m_1 - m_2)}{\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}} \sim \mathcal{N}(0,1)$ $\frac{\overline{S}_{n_1} + \overline{S}_{n_2}^2}{\sqrt{n_1}} \qquad \text{So the devia than } \overline{woxtep}$ $\frac{1}{E(X_{n_n}-Y_{n_n})} = \frac{m_1}{n_n} + \dots + \frac{m_r}{n_n} = \frac{m_2}{n_n} - \dots - \frac{m_r}{n_r} = \frac{m_1 - m_2}{n_2}$ $\frac{m_1}{n_n} = \frac{m_1}{n_n} + \dots + \frac{m_r}{n_n} = \frac{m_2}{n_n} - \dots - \frac{m_r}{n_r} = \frac{m_1 - m_2}{n_2}$ $D(\bar{X}_{n_1} - \bar{Y}_{n_2}) = \frac{\sigma_1^2}{n_1^2} + ... + \frac{\sigma_1^2}{n_2^2} + ... + \frac{\sigma_2^2}{n_2^2} + ... + \frac{\sigma_1^2}{n_2^2} = \frac{\sigma_1^2}{n_2} + \frac{\sigma_2^2}{n_2}$ 32) Throatuno c w.g. P{-CE Xn,-Xn2-(m,-m) (c)=0,9 =) $c = \Phi^{1}(1 - \frac{1}{2}) - 1 - d = 99$

1. Utwegbon vobepetter 30 m,-mz Kage 45,2 voz?



$$\frac{(n-1)S_{n}}{(n-1)S_{n}} = \frac{S_{n}}{S_{n}}$$

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Laure, mosses koju mossemo kopetitutus je:

$$\frac{S_{n_1}}{\widetilde{S}_{n_1}^2} \cdot \frac{S_2^2}{S_1^2}$$

35) Puwepota pacióger je acuneupirse u ustregban teno tato aposteto a o a v.g.

$$\frac{d}{2}$$
 $1-d=0.95$

$$c_1 = F^{-1}(\frac{1}{2})$$
 $F - \theta - jc_1 partingere 3c_2 F(n_1 - n_1 - 1)$
 $c_2 = F^{-1}(1 - \frac{1}{2})'$

$$y R-y: c_n = qf(\frac{\alpha}{2}, n_{n-1}, n_{n-1}) = 0.282$$

$$C_1 = 2f(n-\frac{x}{2}, n_1-1, n_2-1) = 3,147$$

Vavo je
$$(A) \leftarrow P\{\sum_{n=1}^{\infty} \sum_{n=1}^{\infty} \sum_{n=1}^{\infty}$$

2.1. Croscep 35, where for usbepter 35 m,-m, kgga $6,^2 + 6^2$ U kggs Han they trospaine:

Ba worrep ce volgrance:

$$\frac{X_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

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$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

$$\frac{V_{n_{\lambda}} - X_{n_{\lambda}} - (m_{\lambda} - m_{\lambda})}{\sqrt{\frac{S_{n_{\lambda}}}{n_{\lambda}} + \frac{S_{n_{\lambda}}}{n_{\lambda}}}} \sim t_{\lambda}$$

l je peansobaire bpequous cevainnemes:

$$\frac{\left(\frac{S_{n_{1}}}{h_{n}} + \frac{S_{n_{1}}}{h_{n}}\right)^{2}}{\left(\frac{S_{n_{1}}}{h_{n}}\right)^{2} + \left(\frac{S_{n_{1}}}{h_{n}}\right)^{2}} + \frac{\left(\frac{S_{n_{1}}}{h_{n}}\right)^{2}}{h_{n-1}}$$

2.2. Coursep 35 ustorphan Usbepesse 35 mm-mz kaz je 61 = 62 u sterostraise by:

$$\frac{\overline{X_{n_{A}} - X_{n_{a}} - (m_{A} - m_{2})}}{S \sqrt{\frac{1}{n_{A}} + \frac{1}{m_{a}}}} \sim t_{n_{A} + \omega_{2} - 2} \int_{-\infty}^{2} \frac{(n_{A} - 1)\widehat{S_{n}} + (n_{2} - 1)\widehat{S_{n}}}{N_{A} + n_{2} - 2}$$