Ye were teabrement

Mecturgamo ocutotivezy o yezabuchoción odenestjo X u J Ha ocutoby MCJ (Xn Yn)... (Xn Yn), Tge X; = X X; = Y

gel. X v y ged. # vivor vpocuojey blysbawysta (s. A.P) cy resolucie axo +A, BEA basso: P{XEA n YEB}=P{XEAJ.P{YEB}

- La fuema utilitario Hesalactration, boguno ce envytan egejan kao y tipetuxogtan tuenty:

1. Togenumo Bjorghound obenessija X na k gucjymunduz katuetojenja An ... An u vogenumo chyt bjæghound alenezeja y na l gucjymundux kontetopija Bn..., Bl.

2. Hera cn. Benuruse M; Doeguinabra Sp. varara, 43
yzopra ruje odereskje X vna Bpeznowi w kaweropije
A; a ruje odereskje Y wa bpeznowi z naweropije B;

Mij~ Bin (n, pij), pij = P(XEAi, YE Bj)

3. And je Ho: X v Y Hezabuch waste, $p_{i'} = p_i \cdot p_{j'},$

Tge je p. = P{ X = A; } p. = P{ Y = B; }

4. Kano Pi. v Pij ve ztano vgeje je ga ux ozetuno ca pi. v pij v zvorgeguno pelawzbany Breztocio Mij (xoja ovenyjeno ga dyge dinuce EMij=npij)ca npi. p.j. 5. Aro je to warke posnike Mij u npî. pîj orenje-mo ga Jyge nanc.

Cyston, voz+ceux je gc, ano za ozene p...p.j

Pi. = Op. tvarance ruje je odenostje X yzeno boegnocio uz A;

 $= \sum_{j=1}^{k} M_{ij}$ $U \subset MUNHO: P-j = \sum_{j=1}^{k} M_{ij}, \quad \overline{waga} \ 3a \ n \ \text{Genuko}:$

 $T = \sum_{j=1}^{k} \frac{\sum_{j=n}^{k} (M_{ij} - n\hat{p}_{i} \cdot \hat{p}_{ij})^{2}}{n\hat{p}_{i} \cdot \hat{p}_{ij}} \sim \chi^{2}_{(k-1)(l-1)}$

- Lao uno uno Hoberu Colnure Goeghoan (Mij-npi.vi), in u Colnure Goeghoan T, juztyjy 4c. Hr.

Jane 30 inectoly aux

Ho: Yu Y resolution vs H,: Xu Y 30 bucker

no pictuteno obj toetu cioatu. U reprimero y odnacii $W = \{T\}$

- Usop noméropoje je Upensborov, c'un mo a vo.

54.) La bueno us parytan ine un circumany vouper-40 je ge oggegino p: v p.j.

Jegto cirab tour page, noprimiteno cregete extene

- X-von kyuka

- J - Mapka agricomodura

- PM. - blyob. ga je nyvars nywkapay

- pr. - Cepol. ga je mjørag skorous

- p.p. - bepl. ga je kýtirsem agtionodur napre peuzeot

- p.o - 11- opel

- 10, r - 11- renault

Hojupo je vorgedto natu ozer bux bezobawnotos. Perm cno ga teno ux yruvuin na cregeti narus:

$$\frac{\hat{P}_{\text{H.}}}{\hat{P}_{\text{H.}}} = \frac{\int P_{\text{ij}} N_{\text{j}} u_{\text{kapaya nety kyūyuna}}}{y_{\text{wyūau opoj kyūause}}} = \frac{M_{\text{mp}} + M_{\text{mo}} + M_{\text{mr}}}{n}$$

Tge je Mmp spoj nywkapara kaji cy nywu aywo wopne pengeot Mmo spoj nywkapare koji cy ny-Tunu aywo naphe opel u Mmr spoj nywkapare Koju vy kytiwu aywo napne renault

Us victere rumano ga je n=100 u pm.= 30+30+5

CA4740 godijano u gpyre ogene:

$$\hat{P}_{2}^{2} = \frac{20+10+5}{100}$$
 $\hat{P}_{1}^{2} = \frac{30+20}{100}$
 $\hat{P}_{2}^{3} = \frac{30+10}{100}$
 $\hat{P}_{3}^{4} = \frac{30+10}{100}$

La sucus sum cuiggen ga rucus vospenne, upolepetens

gc je zavina pm. + p== 1 u p.p+p.o+p.r=1.

Me un cerain. parymano kao:

$$\frac{\left(M_{mp}-n\hat{p}_{m}.\hat{p}_{.p}\right)^{2}}{n\hat{p}_{m}\hat{p}_{.p}}+\frac{\left(M_{mo}-n\hat{p}_{m}.\hat{p}_{.o}\right)^{2}}{n\hat{p}_{m}.\hat{p}_{.o}}+\frac{\left(M_{mr}-n\hat{p}_{m}.\hat{p}_{.r}\right)^{2}}{n\hat{p}_{m}.\hat{p}_{.r}}$$

$$+ \frac{\left(M_{\tilde{z}p}^2 - n\hat{p}_{\tilde{z}}^2 \cdot \hat{p}_{,p}\right)^2 + \left(M_{\tilde{z}o}^2 - n\hat{p}_{\tilde{z}}^2 \cdot \hat{p}_{,o}\right)^2 + \left(M_{\tilde{z}r}^2 - n\hat{p}_{\tilde{z}}^2 \cdot \hat{p}_{,r}\right)^2}{n\hat{p}_{\tilde{z}}^2 \cdot \hat{p}_{,o}} + \frac{\left(M_{\tilde{z}r}^2 - n\hat{p}_{\tilde{z}}^2 \cdot \hat{p}_{,r}\right)^2}{n\hat{p}_{\tilde{z}}^2 \cdot \hat{p}_{,r}}$$

There ceramicanium upon the was $\chi^2_{(3-1)(2-n)} = \chi^2_2$ pociosing to the assume kpumurary od nocus $W = \{776\}$ the engets thanus: