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21.

Theodor Jagodits

I pledge my honor that I have about by the stevens honor system

Variable 1. Commercial > second version

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Version > third version

variable 2: likelihood > likety
to buy - unsure or unlikely

Likely for unlikely Commercial total Version 1st VERSIAM 45 25 40 2" Varion 30 20 10 31 3 refrees ion 54 25 81 kotal 99 150

likely hood to by product

3. Expected 2-way table

version	Cilcols	er unlikely	kota 1
15th Veising	35.75	29.25	65
Sighterion	16.5	13.5	36
3- duester	46.75	38.25	85
total	99	81	160

4. 2 = Elobsered - expected)2

Version 3 72345 3.9509 => /2= 11.3317 Version 2 0.7424 0.9074 Version 3 1.1243 1.3742 The Ho is that there is no helationship between V communial version and the likelihood at a potential castumer to buy the product

6. PH. (x2) & E (0i,i-f.i) & X as k = (3-1)(1-1)

PHO(27 11.3317) = 0.663465

- 7. If the proluce is smaller than the significance level & we reject the Ho otherwise we fail to accept the Ho if the proluce is to large
- 8. If the proluc is small we reject the Ho.

 So there is an association between the commercial version shown and a polarial buggers I helihood of buying a product. If the proluct is higher than the significance level and we fail to neget the Ho, then we can conclude these arrobust is no association between the commercial version shown and the potential buyers likelihood all buying a product: