## Feature Selection Day 2

12 April 2022 07:03

Gender	wed A	wed B	fut of
<b>J.</b>	2 2.4j	7 6.34	9
Μ		9 9.45	13
F	4 8.53		22
	(G	16	

Ho = there is no association between Gender & med.

Mo = there is association between gender & med.

Cap freq = 
$$(300)$$
 for al  $\times$  column to and ) | grand to all  $E_1 = (9 \times 6)$  freq =  $2.45$ 

Ex =  $(12 \times 2)$  /  $22 = 2.45$ 

Ex =  $(9 \times 16)$  /  $22 = 6.84$ 

(m =  $(13216)$  /  $22 = 9.45$ 

21.97  $\approx 22$ 

# Use it an numbers. not an percentage and proportions

# Discrete rander.

Ordinal var

y radio				
Gender	nual A	west D	med c	和上山
Wy.	79 91	22 201	42269	138
	اهد هي -	17 18.8	10 25-1	129
F	17 <sup>c</sup>	2 2	52	267

$$DF = (n \cdot r r r r d - 1) (n \cdot c d \cdot - 1)$$

$$= (2 - 1) (3 - 1)$$

$$= (1 \times 2)$$

$$= 2$$

$$E_1 = (138 \times 176) / 267 = 9$$

$$E_2 = (128 \times 176) / 267 = 85$$

$$E_3 = (138 \times 29) / 267 = 18 \cdot 8$$

$$E_4 = (128 \times 39) / 267 = 18 \cdot 8$$

$$E_5 = (138 \times 39) / 267 = 18 \cdot 8$$

$$E_6 = (138 \times 51) / 267 = 26 \cdot 9$$

$$E_6 = (128 \times 51) / 267 = 26 \cdot 9$$

$$E_1 = (74 - 91)^{2} / 31 = 3 \cdot 1$$

$$21 = (12 - 20 \cdot 1)^{2} / 20 \cdot 1 = 6 \cdot 2$$

$$21 = (17 - 18 \cdot 8)^{2} / 18 \cdot 9 = 6 \cdot 17$$

$$21 = (17 - 18 \cdot 8)^{2} / 18 \cdot 9 = 6 \cdot 17$$

$$21 = (16 - 26 \cdot 9)^{2} / 26 \cdot 1 = 9 \cdot 6$$

$$21 = (16 - 26 \cdot 9)^{2} / 26 \cdot 1 = 9 \cdot 6$$

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Thosandi - Cat A? Wan

when we have 2 class in cont var (Grender)
(Mif)

ou controus => 2 sar t-tet when we have mose than 2 class incet.von of cont. cont => ANOVA test

# 2 ture to of suple 7°30 | std.d. is known

Hetest = .- n 630 | Std.d. is unknown.

\	cat	(out
Cat	tiche	Cott, Mayb.
Cont		/ / / / /