



Mi Universidad

del Alumno: Darío Antonio Hernandez Meza

Nombre del tema:

Parcial: 4

Nombre de la Materia: bioestadística

Nombre del profesor: Reyes Molina Andres Alejandro

Nombre de la Licenciatura: Enfermería

Cuatrimestre: 4

Paracetamol	23 15.60	5 10.22	25 27.17	53
Doprufero	15 15.01	10 9.83	26 26.14	51
			30	
Ketorolaco	10 12.65	3 8.29	20 20.01	43
Daproxeno	10 14.72	20 9.64	20 20.63	50
Total	58	38	101	197

1 905

Datos Esperados

χ^2_{real}
 χ^2_{tabla}

H_1 = Dependiendo el Medicamento

H_0 = No depende el Medicamento por la reacción

$$23 = \frac{53 \times 58}{197} = 15.60 \quad 5 = \frac{38 \times 58}{197} = 10.22 \quad 25 = \frac{53 \times 101}{197} = 27.17$$

$$15 = \frac{51 \times 58}{197} = 15.01 \quad 10 = \frac{38 \times 51}{197} = 9.83 \quad 26 = \frac{51 \times 101}{197} = 26.14$$

$$10 = \frac{43 \times 58}{197} = 12.65 \quad 3 = \frac{43 \times 38}{197} = 8.29 \quad 26 = \frac{51 \times 101}{197} = 26.14$$

$$10 = \frac{50 \times 58}{197} = 14.72 \quad 20 = \frac{38 \times 50}{197} = 9.64 \quad 20 = \frac{50 \times 101}{197} = 25.63$$

$$\frac{E(O-E)^2}{E}$$

$$\frac{(-15.60)^2}{15.60} + \frac{(5-10.22)^2}{10.22} + \frac{(25-27.17)^2}{27.17}$$

$$3.01 + 2.66 + 0.17 = 6.34$$

$$\frac{(15 - 15.01)^2}{15.01} + \frac{(10 - 9.83)^2}{9.83} + \frac{(28 - 26.14)^2}{26.14}$$

$$6.66 + 0.002 + 0.0003 = 6.66$$

$$\frac{(10 - 12.65)^2}{12.65} + \frac{(3 - 8.29)^2}{8.29} + \frac{(30 - 20.04)^2}{20.04}$$

$$= 0.55 + 3.87 + 4.95 = 8.87$$

$$\frac{(10 - 14.72)^2}{14.72} + \frac{(20 - 9.64)^2}{9.64} + \frac{(20 - 25.63)^2}{25.63}$$

$$= 1.51 + 11.17 + 12.3 = 13.87$$

$$x^2 = 6.34 + 6.66 + 8.87 + 13.87 = 35.74$$

$$v = (C - 1) \cdot (F - 1)$$

$$v = (4 - 1) \cdot (3 - 1)$$

$$v = 3 \cdot 2$$

$$v = 6 + 0.05 = 6.05$$

$$T_{\text{tabla}} = 12.592$$