



**Nombre De Alumnos:**

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**Nombre Del Profesor:**

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**Nombre Del Trabajo:**

**varianza**

**Materia:**

**estadística descriptiva en nutricion**

**Grado:**

**3° Cuatrimestre**

**Grupo:**

**Nutricion**

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Chien Fon Denise L50

40	40	41	49	43
52	35	39	59	45
60	48	53	58	55
43	40	60	67	69
40	52	64	59	70
41	48	65	66	73

Medias

$$\frac{40(3) + 41(2) + 43(2) + 44 + 52(2) + 55 + 57 + 59 + 45 + 60(2) + 48(2) + 53 + 58 + 67 + 69 + 64 + 54 + 70 + 65 + 66 + 73}{30}$$

$$\bar{x} = \frac{\sum 1469}{30} = 48.96$$

Orden

menor a mayor →

35	39	40	40	40	41	41	43	43	45	48	52	52	53	54	55	58	59	60	60	64	65	66	67
25	26	27																					

Mayor a menor  
Mediana

$$Me = \frac{52 + 54}{2} = \frac{106}{2} = 53$$

Moda

$$Mo = 40$$

# Varianza

# Chien Fon Denise Liu

$$S^2 = 1469$$

$$\sum y_i^2 = 40(3) = 4800$$

$$\sum y_i = 1469$$

$$41(2) = 3362$$

$$43(2) = 3698$$

$$44 = 1956$$

$$\sum y_i^2 = 80479$$

$$52(2) = 5408$$

$$35 = 1225$$

$$39 = 1521$$

$$59 = 3481$$

$$45 = 2025$$

$$S^2 = \frac{80479 - \frac{(1469)^2}{30}}{29}$$

$$60(2) = 7200$$

$$48(2) = 4608$$

$$53 = 2809$$

$$58 = 3364$$

$$67 = 4489$$

$$69 = 4761$$

$$64 = 4096$$

$$54 = 2916$$

$$70 = 4900$$

$$65 = 4225$$

$$66 = 4356$$

$$73 = 5329$$

$$S^2 = \frac{80479 - \frac{(2197961)}{4}}{29}$$

$$80,479$$

$$S^2 = \frac{80479 - 539,490,25}{3}$$

$$S^2 = \frac{-459011,25}{3}$$

$$S^2 = 153,00375$$

$$S = 391.18 /$$