Nombre de alumno: Iram Ulises Gómez Guillén

Nombre del profesor: Jorge Enrique Albores Aguilar

Nombre del trabajo: Ejercicios

Materia: Estadistica

Grado: 1er Cuatrimestre

Grupo: Trabajo Social

Comitán de Domínguez, Chiapas a 21 de Noviembre de 2021.

① EJERCICIO 1.

Iram Ulises Gómez Guillén

$n = 48$

Moda = 50

Mediana = 55

Media = $\bar{x} = 56$

$S^2 = 92.06$

$S = 9.59$

40	48	50	55	60	65
40	49	50	55	60	65
40	49	50	55	60	67
44	49	50	56	62	68
45	50	50	56	62	70
45	50	54	58	63	72
46	50	54	58	63	78
47	50	55	59	64	84

$$\bar{X} = \frac{\sum x}{n}$$

$$\bar{X} = \frac{2670}{48} = \bar{X} = 55.62$$

$$S^2 = \frac{\sum (x - \bar{x})^2}{n-1} =$$

$$\sum (x - \bar{x})^2 = 4327$$

$$S^2 = \frac{4327}{48-1} =$$

$$S^2 = \frac{4327}{47} = 92.06$$

$$S^2 = 92.06$$

$$S = \sqrt{S^2}$$

$$S = \sqrt{92.06}$$

$$S = 9.59$$

Iram Ulises Gómez Guillen

$(40-56)^2 = (-16)^2 = 256$
$(55-56)^2 = (-1)^2 = 1$
$(60-56)^2 = (4)^2 = 16$
$(63-56)^2 = (7)^2 = 49$
$(47-56)^2 = (-9)^2 = 81$
$(40-56)^2 = (-16)^2 = 256$
$(55-56)^2 = (-1)^2 = 1$
$(50-56)^2 = (-6)^2 = 36$
$(56-56)^2 = (0)^2 = 0$
$(60-56)^2 = (4)^2 = 16$
$(63-56)^2 = (7)^2 = 49$
$(50-56)^2 = (-6)^2 = 36$
$(50-56)^2 = (-6)^2 = 36$
$(49-56)^2 = (-7)^2 = 49$
$(50-56) = (-6)^2 = 36$
$(54-56) = (-2)^2 = 4$
$(45-56) = (-11)^2 = 121$
$(55-56) = (-1)^2 = 1$
$(54-56) = (-2)^2 = 4$
$(50-56) = (-6)^2 = 36$
$(65-56) = (9)^2 = 81$
$(62-56) = (6)^2 = 36$
$(78-56) = (22)^2 = 484$
$(84-56) = (28)^2 = 784$
$(56-56) = (0)^2 = 0$
$(67-56) = (11)^2 = 121$
$(50-56) = (-6) = 36$
$(46-56) = (-10) = 100$

$(49-56) = (-7)^2 = 49$
$(58-56) = (2)^2 = 4$
$(65-56) = (9)^2 = 81$
$(62-56) = (6)^2 = 36$
$(50-56) = (-6)^2 = 36$
$(49-56) = (-7)^2 = 49$
$(55-56) = (-1)^2 = 1$
$(48-56) = (-8)^2 = 64$
$(40-56) = (-16)^2 = 256$
$(44-56) = (12)^2 = 144$
$(50-56) = (-6)^2 = 36$
$(45-56) = (-11)^2 = 121$
$(50-56) = (-6)^2 36$
$(59-56) = (3)^2 = 9$
$(58-56) = (2)^2 = 4$
$(60-56) = (4)^2 = 16$
$(64-56)^2 = (8) = 64$
$(72-56)^2 = (16) = 256$
$(70-56)^2 = (14)^2 = 196$
$(68-56) = (12)^2 = 144$

① EJERCICIO 2 Iram Ulises Gomez Guillén

21	35	35	44	55	67	78	86
34	35	38	44	56	70	78	84
35	35	40	44	56	76	78	87
35	35	40	44	57	76	80	88
35	35	40	48	60	77	86	89
35	35	41	54	66	77	82	90
35	35	44	55	66	78	85	94

$n = 56$

Moda = 35

Mediana = 55

Media $= \bar{x} = 57.33$

$$\bar{x} = \frac{\sum x}{n}$$

$$\bar{x} = \frac{3211}{56} =$$

$$\bar{x} = 57.33$$

$$S^2 = \frac{\sum (x - \bar{x})^2}{n-1}$$

$$\sum (x - \bar{x})^2 = 23.703$$

$S^2 = 430.96$

$S = 20.75$

$$S^2 = \frac{23703}{56-1} =$$

$$S^2 = \frac{23703}{55} = 430.96$$

$$S = \sqrt{S^2}$$

$$S = \sqrt{430.96}$$

$$S = 20.75$$

Iram Ulises Gómez Guillén

$(27-55)^2=(-28)^2=784$
$(34-55)^2=(-21)^2=441$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(35-55)=(-20)^2=400$
$(38-55)=(-17)^2=289$
$(40-55)=(-15)^2=225$
$(40-55)=(-15)=225$
$(40-55)=(-15)=225$
$(4\_-55)=(-11)^2=121$
$(4\_-55)=(-11)^2=121$
$(4\_-55)=(-11)^2=121$
$(4\_-55)=(-11)^2=121$
$(4\_-55)=(-11)^2=121$
$(4\_-55)=-(11)^2=121$
$(45-55)=(-10)^2=100$
$(54-55)=(-1)^2=1$
$(55-55)=(0)^2=0$
$(55-55)=(0)^2=0$
$(56-55)=(1)^2=1$
$(56-55)=(1)^2=1$
$(57-55)=(2)^2=4$
$(60-55)=(5)^2=25$
$(66-55)=(11)^2=121$
$(66-55)=(11)^2=121$
$(67-55)=(12)^2=144$
$(70-55)=(15)^2=225$
$(76-55)=(21)^2=441$
$(76-55)=(21)^2=441$
$(77-55)=(22)^2=484$
$(77-55)=(22)^2=484$
$(78-55)=(23)^2=529$
$(78-55)=(23)^2=529$
$(78-55)=(23)^2=529$
$(78-55)=(23)^2=529$
$(80-55)=(25)^2=625$
$(80-55)=(25)^2=625$
$(82-55)=(27)^2=729$
$(85-55)=(30)^2=900$
$(86-55)=(31)^2=961$
$(87-55)=(32)^2=1024$
$(87-55)=(32)^2=1024$
$(88-55)=(33)^2=1089$
$(89-55)=(34)^2=1156$
$(90-55)=(35)^2=1225$
$(94-55)=(39)^2=1521$