



Universidad del Sureste.

Técnico en enfermería general

TEMA: media, moda

ASIGNATURA: probabilidad y estadística

NOMBRE DEL DOCENTE

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PRESENTA:

Pérez Pinto Norma Guadalupe.

No. 1

Pérez Pinto Norma Gpe.  
Sto. Semestre en Enfra Gra!

40 = 1600	40	56 = 3136	49	45 = 2025	45
55 = 3025	40	60 = 3600	50	55 = 3025	50
60 = 3600	47	63 = 3969	50	54 = 2916	54
63 = 3969	50	50 = 2500	50	50 = 2500	55
47 = 2209	55	50 = 2500	54	65 = 4225	62
40 = 1600	55	49 = 2401	56	62 = 3844	65
55 = 3025	60	50 = 2500	60	78 = 6084	78
50 = 2500	63	54 = 2916	63	84 = 7056	84
$n = 8$					

$$EF_1 = 410$$

$$EF_1 = 432$$

$$EF_1 = 493$$

$$EF^2 = 21528$$

$$EF^2 = 23522$$

$$EF^2 = 31675$$

$$\bar{X} = \frac{EF_1}{n} \quad X = \frac{410}{8} = 51.25 \Rightarrow \bar{X} = \frac{EF_1}{n} \quad \bar{X} = \frac{432}{8} = 54 \Rightarrow X = \frac{EF_1}{n} \quad \bar{X} = \frac{493}{8} = 61.62 \Rightarrow$$

$$\frac{7}{2}, \frac{7}{2} + 1 \quad \frac{8}{2}, \frac{8}{2} + 1$$

$$\frac{7}{2}, \frac{7}{2} + 1 \quad \frac{8}{2}, \frac{8}{2} + 1$$

$$\frac{7}{2}, \frac{7}{2} + 1 \quad \frac{8}{2}, \frac{8}{2} + 1$$

$$4.5 \quad \frac{50 + 55}{2} = 77.5$$

$$4.5 \quad \frac{50 + 54}{2} = 77$$

$$4.5 \quad \frac{55 + 62}{2} = 86$$

$$M_0 = 49.55$$

$$M_0 = 50$$

$$S^2 = EF^2 - \left(\frac{EF_1}{n}\right)^2$$

$$S^2 = EF^2 - \left(\frac{EF_1}{n}\right)^2$$

$$S^2 = EF^2 - \left(\frac{EF_1}{n}\right)^2$$

$$S^2 = \frac{21528 - \left(\frac{410}{8}\right)^2}{7} = 73.64$$

$$S^2 = \frac{23522 - \left(\frac{432}{8}\right)^2}{7} = 194$$

$$S^2 = \frac{31675 - \left(\frac{493}{8}\right)^2}{7} = 184.83$$

$$S = \sqrt{73.64} = 8.58$$

$$S = \sqrt{194} = 27.71$$

$$S = \sqrt{184.83} = 13.59$$

VERDEGREEN

No.1 Pérez Pinto Norma Gpe  
Sto. Semestre Entra General

56 = 3136	46
67 = 4489	49
50 = 2500	50
46 = 2116	56
49 = 2401	58
58 = 3364	62
65 = 4225	65
62 = 3844	67

n = 8

50 = 2500	40
49 = 2401	44
55 = 3025	45
48 = 2304	48
40 = 1600	49
44 = 1936	50
50 = 2500	50
45 = 2025	55

n = 8

50 = 2500	50
59 = 3481	58
58 = 3364	59
60 = 3600	60
64 = 4096	64
72 = 5184	68
70 = 4900	70
68 = 4624	72

n = 8

$\Sigma F_1 = 453$   
 $\Sigma F_2 = 26075$

$\bar{X} = \frac{\Sigma F_1}{n} = \frac{453}{8} = 56.62$

$\frac{8}{2}, \frac{8}{2} + 1 = \frac{56 + 58}{2} = 85$

$S^2 = \Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n} = \frac{26075 - (453)^2}{8} = 70.64$

$S = \sqrt{70.64} = 8.40$

$\Sigma F_1 = 381$   
 $\Sigma F_2 = 18291$

$\bar{X} = \frac{\Sigma F_1}{n} = \frac{381}{8} = 47.62$

$\frac{8}{2}, \frac{8}{2} + 1 = \frac{48 + 49}{2} = 72.5$

$M_0 = 50$   
 $S^2 = \Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n} = \frac{18291 - (381)^2}{8} = 20.83$

$S = \sqrt{20.83} = 4.56$

$\Sigma F_1 = 501$   
 $\Sigma F_2 = 31749$

$\bar{X} = \frac{\Sigma F_1}{n} = \frac{501}{8} = 62.62$

$\frac{8}{2}, \frac{8}{2} + 1 = \frac{60 + 64}{2} = 92$

$S^2 = \Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n} = \frac{31749 - (501)^2}{8} = 53.41$

$S = \sqrt{53.41} = 7.30$

No. 2 Pérez Pinto Norma Gpe.  
5to. Semestre Enfermería Gral

27 = 729	27	40 = 1600	35	44 = 1936	35
35 = 1225	35	87 = 7569	35	35 = 1225	35
40 = 1600	35	35 = 1225	40	60 = 3600	44
78 = 6084	40	44 = 1936	40	66 = 4356	60
35 = 1225	44	35 = 1225	44	76 = 5776	66
44 = 1936	56	40 = 1600	85	82 = 6724	76
56 = 3136	78	85 = 7225	87	35 = 1225	82
	$n=7$		$n=7$		$n=7$

$\sum F_1 = 315$	$\sum F_1 = 366$	$\sum F_1 = 398$
$\sum F_1^2 = 15935$	$\sum F_1^2 = 22380$	$\sum F_1^2 = 24842$
$\bar{X} = \frac{\sum F_1}{n} = \frac{315}{7} = 45$	$\bar{X} = \frac{\sum F_1}{n} = \frac{366}{7} = 52.28$	$\bar{X} = \frac{\sum F_1}{n} = \frac{398}{7} = 56.85$

$Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$	$Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$	$Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$
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$Mo = 40$	$Mo = 40$	$Mo = 60$
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$Mo = 35$	$Mo = 35$	$Mo =$
$S^2 = \sum F_1^2 - \frac{(\sum F_1)^2}{n}$	$S^2 = \sum F_1^2 - \frac{(\sum F_1)^2}{n}$	$S^2 = \sum F_1^2 - \frac{(\sum F_1)^2}{n}$

$S^2 = 15935 - \frac{(315)^2}{7} = 293.33$	$S^2 = 22380 - \frac{(366)^2}{7} = 540.5$	$S^2 = 24842 - \frac{(398)^2}{7} = 368.8$
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$S = \sqrt{293.33} = 17.12$	$S = \sqrt{540.5} = 23.25$	$S = \sqrt{368.8} = 19.20$
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VERGREEN

Pérez Pinto Norma Gpe  
 2do Semestre en Enfermería Gral. N.º 2

35 = 1225	35	34 = 1156	34	57 = 3249	54
44 = 1936	35	44 = 1936	35	55 = 3025	55
78 = 6084	44	35 = 1225	44	78 = 6084	57
76 = 5776	70	55 = 3025	55	54 = 2916	78
89 = 7921	76	80 = 6400	66	86 = 7396	86
35 = 1225	78	66 = 4356	77	94 = 8836	90
70 = 4900	89	77 = 5929	80	90 = 8100	94

$\Sigma F_1 = 427$   $n = 7$   $\Sigma F_1 = 391$   $n = 7$   $\Sigma F_1 = 514$   $n = 7$

$\Sigma F_2 = 29067$   $\Sigma F_2 = 24027$   $\Sigma F_2 = 39606$

$\bar{X} = \frac{\Sigma F_1}{n} = \bar{X} = \frac{427}{7} = 61$   $\bar{X} = \frac{\Sigma F_1}{n} = \bar{X} = \frac{391}{7} = 55.85$   $\bar{X} = \frac{\Sigma F_1}{n} = \bar{X} = \frac{514}{7} = 73.42$

$Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$   $Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$   $Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$

$Mo = 70$   $Mo = 55$   $Mo = 78$

$Mo = 35$   $Mo = 0$   $Mo = 0$

$S^2 = \Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n}$   $S^2 = \Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n}$   $S^2 = \Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n}$

$S^2 = 29067 - \frac{(427)^2}{7} = 2 = 5033$   $S^2 = 24027 - \frac{(391)^2}{7} = 364$   $S^2 = 39606 - \frac{(514)^2}{7} = 310.6$

$S = \sqrt{5033} = 22.43$   $S = \sqrt{364} = 19.09$   $S = \sqrt{310.6} = 17.6$

No. 2. Pérez Pinto Norma Gpe.  
5to. Semestre. en Enfermería Gral.

35 = 1225  
87 = 7589  
35 = 1225  
88 = 7744  
44 = 1936  
35 = 1225  
80 = 6400

35  
35  
35  
(44)  
80  
87  
88

n=7

38 = 1444  
45 = 2025  
56 = 3136  
67 = 4489  
77 = 5929  
78 = 6084  
35 = 1225

35  
38  
45  
(56)  
67  
77  
78

n=7

$\Sigma F_1 = 404$

$\Sigma F_1^2 = 27324$

$\bar{X} = \frac{\Sigma F_1}{n} = \frac{404}{7} = 57.71$

$Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$

$Me = 44$

$Mo = 35$

$S^2 = \frac{\Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n}}{n-1}$

$S^2 = \frac{27324 - \frac{(404)^2}{7}}{7-1} = 667.90$

$S = \sqrt{S^2}$

$S = \sqrt{667.90} = 25.84$

$\Sigma F_1 = 396$

$\Sigma F_1^2 = 24332$

$\bar{X} = \frac{\Sigma F_1}{n} = \frac{396}{7} = 56.57$

$Me = \frac{n+1}{2} = \frac{7+1}{2} = 4$       $Me = 56$

$Mo = 0$

$S^2 = \frac{\Sigma F_1^2 - \frac{(\Sigma F_1)^2}{n}}{n-1}$

$S^2 = \frac{24332 - \frac{(396)^2}{7}}{7-1} = 321.61$

$S = \sqrt{S^2}$

$S = \sqrt{321.61} = 17.91$

VERGREEN