



Mi Universidad

Ejercicios

Nombre del Alumno: Darolyn Sayuri Hidalgo Méndez.

Nombre del tema: Ejercicios

Parcial: III

Nombre de la Materia: Estadística II

Nombre del profesor: JORGE ENRIQUE ALBORES AGUILAR

Nombre de la Licenciatura: Licenciatura en Psicología

Cuatrimestre: I I

Y	X	(x-x̄)	(y-ȳ)	(x-x̄)*(y-ȳ)
7	50	-4.7	-17	79.9
10	55	-1.7	-12	20.4
12	68	0.3	1	0.3
8	47	-3.7	-20	74
12	76	0.3	9	2.7
10	50	-1.7	-17	28.9
15	76	3.3	9	29.7
16	80	4.3	13	55.9
12	86	0.3	19	5.7
11	79	-0.7	12	-8.4
8	54	-3.7	-13	48.1
9	58	-2.7	-9	24.3
16	88	4.3	21	90.3
18	90	6.3	23	144.9
14	53	2.3	-14	-32.2
12	69	0.3	2	0.6
16	60	-1.7	-7	11.9
11.7	67			577

Covarianza: $\frac{577}{16} = 36.06$

Y	X	$(x-\bar{x})$	$(y-\bar{y})$	$(x-\bar{x}) * (y-\bar{y})$
15	80	11.42	2.1	23.52
12	55	-13.58	-0.9	12.76
7	50	-18.58	-5.9	110.36
15	79	10.42	2.1	21.46
12	54	-14.58	-0.9	13.70
10	43	-25.58	-2.4	75.20
14	65	-3.58	1.1	-3.79
13	55	-13.58	0.1	-0.81
15	80	11.42	2.1	23.52
13	64	0.42	0.1	0.02
10	70	1.42	-2.9	-4.17
14	83	14.42	1.1	15.28
15	90	21.42	2.1	44.12
12	56	-12.58	-0.9	11.82
16	93	27.42	3.1	87.91
13	64	-4.58	0.1	-0.27
14	80	11.42	1.1	12.10
12.9	68.58			442.73

$$\text{Covarianza} = \frac{442.73}{16} = 27.67$$

Darolyn Hidalgo

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Y	X	$(x-\bar{x})$	$(y-\bar{y})$	$(x-\bar{x}) * (y-\bar{y})$
9	40	-2.6	-15.2	39.52
10	50	-1.6	-5.2	8.32
11	52	-0.6	-3.2	1.92
8	45	-3.6	-10.2	36.72
15	65	3.4	9.8	33.32
12	60	0.4	4.8	1.92
13	58	1.4	2.8	3.92
8	43	-3.6	-12.2	43.92
12	64	0.4	9.8	3.52
8	46	-3.6	-9.2	33.12
12	64	0.4	8.8	3.52
18	70	6.4	14.8	94.72
15	63	3.4	7.8	26.52
13	55	1.4	-0.2	-0.28
10	53	-1.6	-2.2	3.52
11.6	55.2			334.2

Covarianza: $\frac{334.2}{14} = 23.87$