

ACTIVIDAD # 7:

Fecha / Date: _____

No	X	f	dx	dx ²	dx ³	dx ⁴	dx ⁵	dx ⁶
59	62.5	4	250	6250	-12500	156250	-1562500	15625000
60	73.5	8	588	43008	-105840	1182912	-11829120	118291200
61	84.5	18	1503	125670	-301710	3620550	-36205500	362055000
62	95.5	5	475	45125	-118750	1484375	-14843750	148437500
Σ			3891	38526	-9801	121440	-1214400	12144000

f	(X - \bar{X})	(X - \bar{X}) ²	(X - \bar{X}) ³	(X - \bar{X}) ⁴	(X - \bar{X}) ⁵
4	-14	196	-2744	38416	-531440
8	-3	9	-27	81	-243
18	8	64	512	4096	32768
5	18	324	5832	104976	1889472
Σ			3891	38526	-9801

$\bar{X} = \frac{3891}{46} = 84.58$
 $M_2 = \frac{5445.74}{46} = 118.38$
 $M_3 = \frac{6866.44}{46} = 149.27$
 $M_4 = \frac{1021.05}{46} = 22.20$
 $M_5 = \frac{51323.53}{46} = 1115.73$

$\sigma_1 = \frac{-119.27}{118.393} = -0.01$
 $\sigma_2 = \frac{35.240.29}{118.393} = 298.19$

Melvin Samayoa
 Det. No. 7