

$$778+1067+218+193+730+305+69+155+414+214+309+826+492+262+1185+123+451+450+981+130+1110+76+65+452+2707+948+951+2080+2768+396+324+205+186+875+1279+343+104+565+82+620+705+152+712+82+390+602+985+875+793+797 = 31599$$

$$\text{Mean} = \frac{31599}{50} = 631.98$$

A X	B $x - \mu$	C $(x - \mu)^2$
778	146.02	21,321.84
1067	435.02	189,242.40
218	-413.98	171,379.44
193	-438.98	192,703.44
730	98.02	9,607.92
305	-326.98	106,915.92
69	-562.98	316,946.48
155	-476.98	227,509.92
414	-217.98	47,515.28
214	-417.98	174,707.28
309	-322.98	104,316.08
826	194.02	37,643.76
492	-139.98	19,594.40
262	-369.98	136,885.20
1185	553.02	305,831.12
123	-508.98	259,060.64
451	-180.98	32,753.76
450	-181.98	33,116.72
981	349.02	121,814.96
130	-501.98	251,983.92
1110	478.02	228,503.12
76	-555.98	309,113.76
65	-566.98	321,466.32
452	-179.98	32,392.80
2707	2,075.02	4,305,708
948	316.02	99,868.64
951	319.02	101,773.76
2080	1,448.02	2,096,761.92
2786	2,154.02	4,639,802.16
396	-235.98	55,686.56
324	-307.98	94,851.68
205	-426.98	182,311.92
186	-445.98	198,898.16
875	243.02	59,058.72
1279	647.02	418,634.88
343	-288.98	83,509.44
104	-527.98	278,762.88
565	-66.98	4,486.32
82	-549.98	302,478
620	-11.98	143.52
705	73.02	5,331.92
152	-479.98	230,380.80
712	80.02	6,403.20
82	-549.98	302,478
390	-241.98	58,554.32
602	-29.98	898.80
985	353.02	124,623.12
875	243.02	59,058.72
793	161.02	25,927.44
797	165.02	27,231.60
		17,415,950.96

Range

$$R = \text{Highest Value} - \text{Lowest Value}$$

$$R = 2786 - 65 = 2,721$$

Variance

$$\sigma^2 = \frac{\sum(x - \mu)^2}{N} = \frac{17,415,950.96}{50} = 348,319.0192$$

Variance

$$\sigma = \sqrt{\frac{\sum(x - \mu)^2}{N}} = \sqrt{348,319.0192} = 590.185580305043$$