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Section: O
Serial: 13
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Assignment: 2

Serial	x_i (AGE)	$\bar{x}$	$x_i-\bar{x}$	$\lvert x_i-\bar{x}\rvert$	$\lvert x_i-\bar{x}\rvert^2$
1	23	21.6	1.4	1.4	1.96
2	22		0.4	0.4	0.16
3	21		-0.6	0.6	0.36
4	22		0.4	0.4	0.16
5	21		-0.6	0.6	0.36
6	20		-1.6	1.6	2.56
7	21		-0.6	0.6	0.36
8	21		-0.6	0.6	0.36
9	22		0.4	0.4	0.16
10	22		0.4	0.4	0.16
11	22		0.4	0.4	0.16
12	22		0.4	0.4	0.16
13	21		-0.6	0.6	0.36
14	22		0.4	0.4	0.16
15	22		0.4	0.4	0.16

Arithmetic Mean, $AM = \bar{x} = \frac{\Sigma x_i}{n} = \frac{324}{15} = 21.6$

Geometric Mean, $GM = (\prod x)^{\frac{1}{n}} = 21.58$

Harmonic Mean, $HM = \frac{n}{\sum \frac{1}{x}} = 21.57$

Median $= 22$

Mode $= 22$

Mean Deviation, $MD = \frac{1}{n}\Sigma_{i=1}^{n}|x_i - \bar{x}| = \frac{9.2}{15} = 0.61$

Variance, $\sigma^2 = \frac{1}{n}\Sigma_{i=1}^{n}(x_i - \bar{x})^2 = \frac{7.6}{15} = 0.5$

Standard Deviation, SD, $\sigma = \sqrt{\text{Variance}} = \sqrt{0.5} = 0.71$

Coefficient Variation, $CV = \frac{\sigma}{\bar{x}} \times 100 = 3.29\%$