

Module 3 Applied Statistics in Excel

Variance Examples

Question 1 - Calculate Population Variance in Excel

	A	B	C	D	E	F	G	H
1	2007 Figures		2008 Figures		2009 Figures			Variance
2	Month	Amount	Month	Amount	Month	Amount		
3	Jan-07	15,000	Jan-08	17,500	Jan-09	13,000		6,170,524.69
4	Feb-07	14,500	Feb-08	12,000	Feb-09	15,000		
5	Mar-07	14,500	Mar-08	16,000	Mar-09	14,000		
6	Apr-07	14,000	Apr-08	19,000	Apr-09	16,500		
7	May-07	16,000	May-08	17,000	May-09	20,000		
8	Jun-07	9,500	Jun-08	10,500	Jun-09	12,500		
9	Jul-07	13,500	Jul-08	11,000	Jul-09	14,000		
10	Aug-07	17,000	Aug-08	12,500	Aug-09	18,500		
11	Sep-07	11,000	Sep-08	13,000	Sep-09	14,500		
12	Oct-07	15,000	Oct-08	15,500	Oct-09	13,000		
13	Nov-07	17,500	Nov-08	15,000	Nov-09	13,000		
14	Dec-07	18,000	Dec-08	17,500	Dec-09	17,000		

Question 2 - Calculate Sample Variance in Excel

	A	B	C	D	E	F	G	H
1	Group 1		Group 2		Group 3			Variance
2	Ref	Height	Ref	Height	Ref	Height		
3	G1.1	176	G2.1	179	G3.1	179		9.261904762
4	G1.2	174	G2.2	173	G3.2	178		
5	G1.3	181	G2.3	184	G3.3	176		
6	G1.4	178	G2.4	175	G3.4	181		
7	G1.5	183	G2.5	172	G3.5	177		
8	G1.6	176	G2.6	176	G3.6	179		
9	G1.7	177	G2.7	177	G3.7	176		
10	G1.8	:	G2.8	:	G3.8	:		