

4.2) Problem Solving on Paper

Given the following table of data use z-score to calculate and identify any outliers where their z value is greater than 3 or less than -3

3.6	2.7	1	5.5
3.3	2.2	0.7	6
2.8	2.8	0.9	4.9
3.4	2.1	0.9	4.4
2.9	2.6	0.8	6
3.5	2.2	1.6	4.7
2.8	2.1	0.8	5.2
2.9	2.7	0.9	5.8
3.1	2.1	1	5.2
3.6	2.8	0.8	4.9
4	2.3	0.7	6
3	2.4	0.9	2
3.9	2.6	0.8	5.2
3.7	3	0.7	5.6

.As seen from the working in the excel working, if the data is treated as single column there is no outlier detected whereas if the distinct columns are treated as distribution of data, there are two outliers detected then, In column 3 data record with value 1.6 and in data column 4 data record with value 2 are outlier detected.