

w
13

z
0.1690309

p
0.5671138

Obs	DIFFERENCE	RANK	SIGNEDRANK
1	-5	7	-7
2	2	1	1
3	4	6	6
4	-3	4	-4
5	-2	2	-2
6	3	5	5
7	2	3	3

#comment:

The column Difference is created by subtracting Year1 from Year2. Only the difference which is not equal to zero is stored and printed. The column Rank is created as the rank with the absolute value of Difference. We use a while loop and if statement are used to assign a negative sign to the column 'SignedRank' where the rank was initially a negative 'Rank'. Finally, the w, z and p values are printed.