

Investigate whether days with high rainfall tend to have few hours of sunshine.

2. The following table shows the percentage of part-time staff employed by nine supermarkets in a large city and their rankings in terms of weekly takings

Part-time staff %	45	56	38	29	54	33	36	33	22
Weekly takings,	7	4	5	9	2	8	1	3	6
rank									

- a. Why is it not possible to calculate a value of PMCC for this data?
- b. Test the hypothesis that there is no relationship between the percentage of part-time staff employed and the weekly takings
- 3. The five finalists in a piano competition were placed in the following order by the judges

	1 st	2^{nd}	3 rd	4 th	5 th
Judge 1	C	E	D	A	B
Judge	В	С	A	D	E
2					

- a. Explain why SRCC is the most appropriate correlation coefficient to calculate for these results
- b. Stating the null and alternative hypothesis, test for an inverse association between the opinions of the judges.

