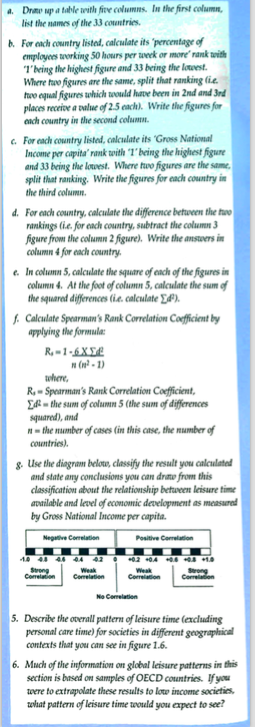
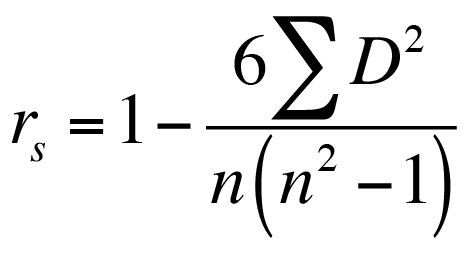
**Leisure in different geographical and developmental contexts**

What is the relationship between GNI (gross national income per person) and the percentage of employees working 50 hours or more per week?

****

1. Draw a scatter graph of the data above. GNI per capita should be on the vertical axis and employees working 50 hours or more on the horizontal axis. Try to draw a line of best fit through the scatter points.
2. Describe the relationship you have found in the graph.
3. Calculate a more statistically precise analysis of the data by performing a Spearman’s Rank statistical test. Instructions for how to do this are above.
4. Describe the findings of your statistical analysis.

**Spearman’s Rank**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **COUNTRY** | **GNI per capita** | **Rank GNI** | **% working 50 hrs or more per week** | **% work rank** | **Difference (between the ranks)** | **Difference squared** |
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|  |  |  |  |  |  | **TOTAL:** |

R = Spearman’s Rank Correlation Coefficient

D = Difference between the ranks

= sum of the differences squared

n= the number of cases (in this case the number of countries = 33)