

Correlation Between GDP and Satellites Launched

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Question

Is there a correlation between the number of satellites launched by a country in a particular year, and the country's GDP for that year?

Pearson Correlation Coefficient

Formula for statistical correlation:

$$r = \frac{n(\sum xy) - (\sum x)(\sum y)}{\sqrt{[n\sum x^2 - (\sum x)^2][n\sum y^2 - (\sum y)^2]}}$$

Results

Pearson Correlation Coefficient for
GDP/Satellites launched in USA :
0.49046440148

There is a strong positive correlation.

Pearson Correlation Coefficient for
GDP/Satellites launched in China (PR) :
0.917535950658

There is a very strong positive correlation.

Thank you

Course Staff for helping me get the idea

Different organizations for providing data

Any questions?