

PROLOGUE

LAB P-2: SUNSPOT ANALYSIS

PREDICTION: The frequency of the sunspot cycle varies as a function of time. Sunspots are believed to be due to solar storms, areas of magnetic gases on the surface. The number and position of these spots change with time.

When the data collected over many years are plotted, a cyclic or wavy pattern, that illustrates cyclical behavior, should appear. It seems to me, with knowledge that we just obtained from a statistical analysis.

OBJECTIVE: You will analyze graphs of various distributions and will be predicting future events.

VERMILION:

mean:

standard deviation:

total number

independent variable:

dependent variable:

probability:

results:

conclusion:

PROCEDURE:

1. Using the data given, graph the number of sunspots in the years from 1610 to 1990.
2. Be sure to completely label your graph with:

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RC Schank



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