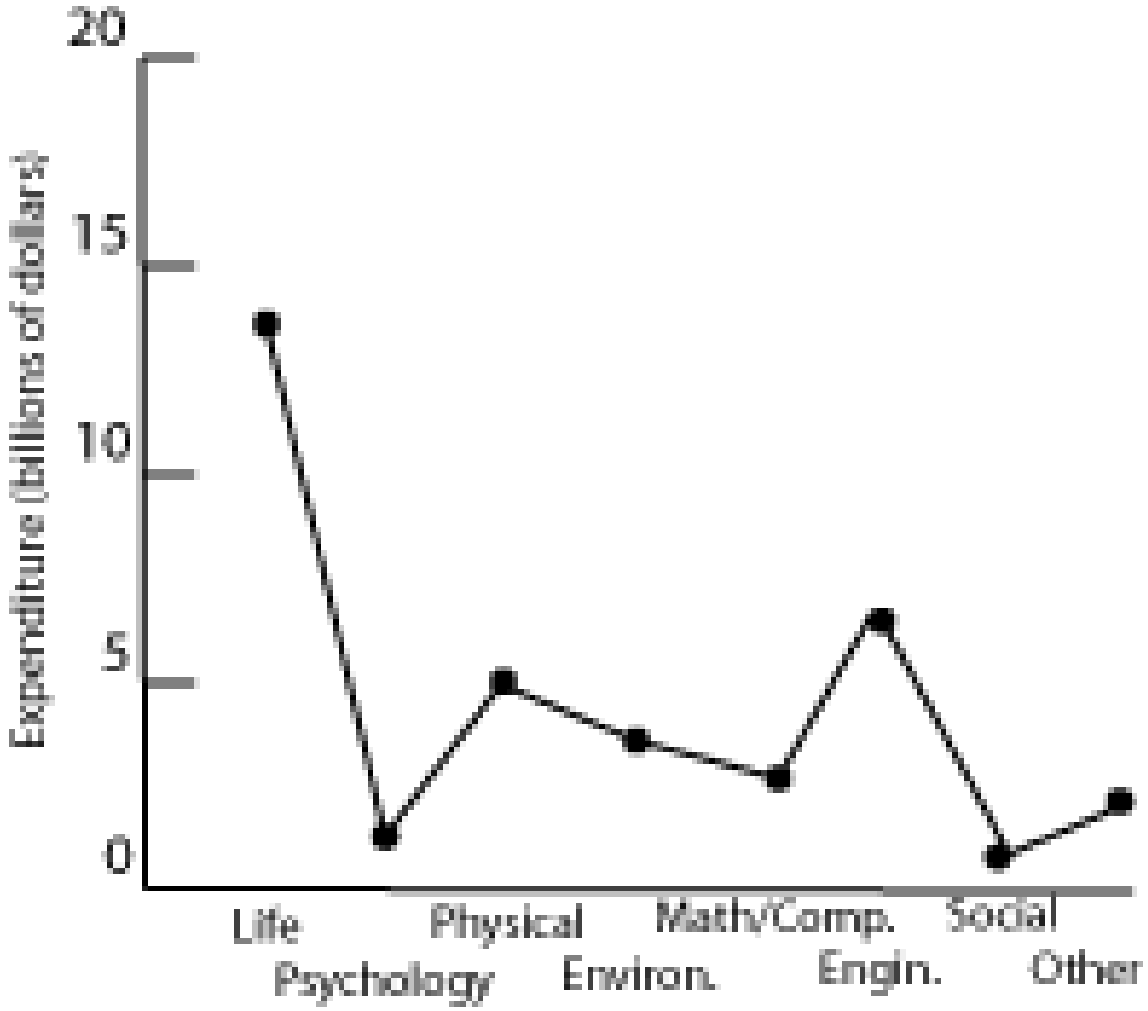
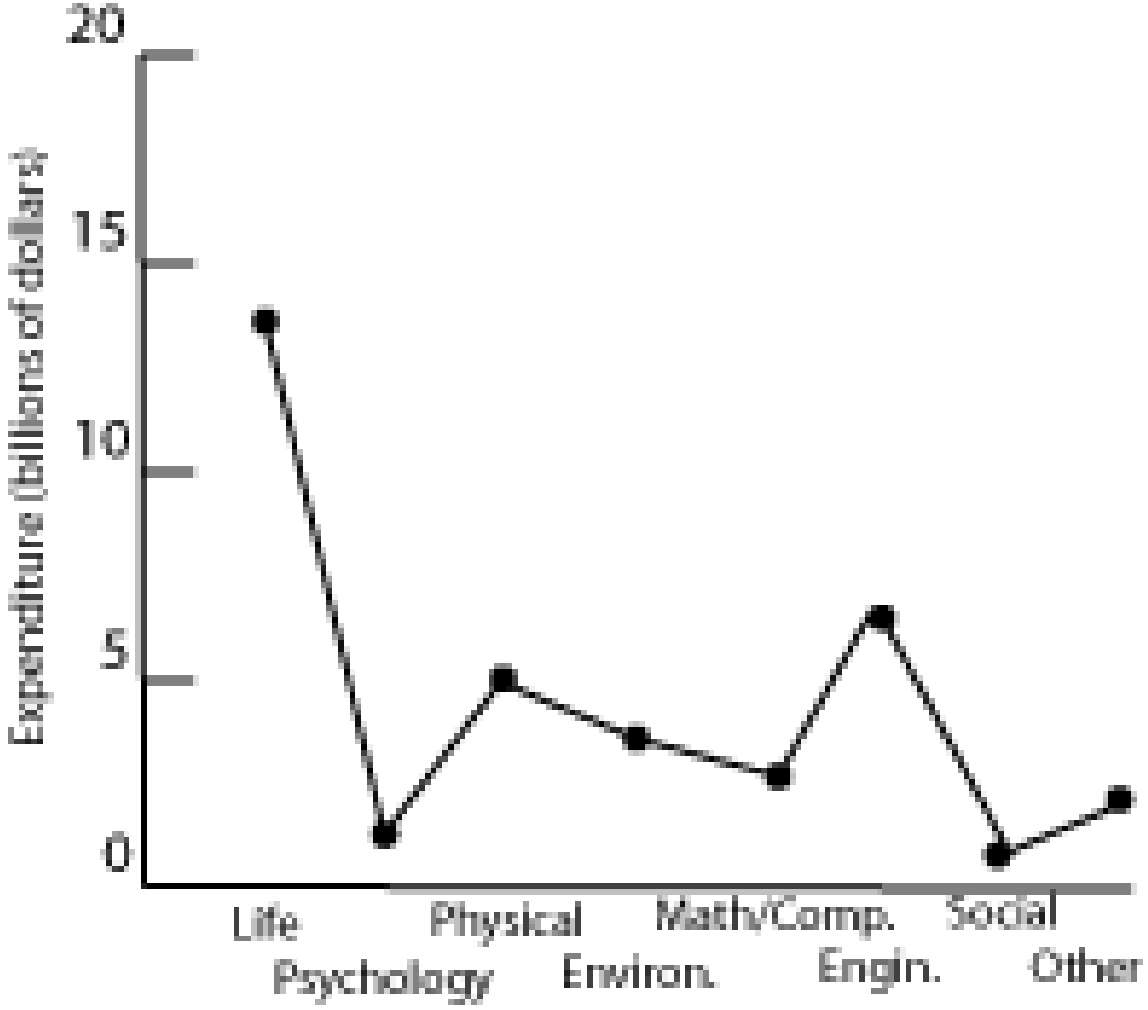
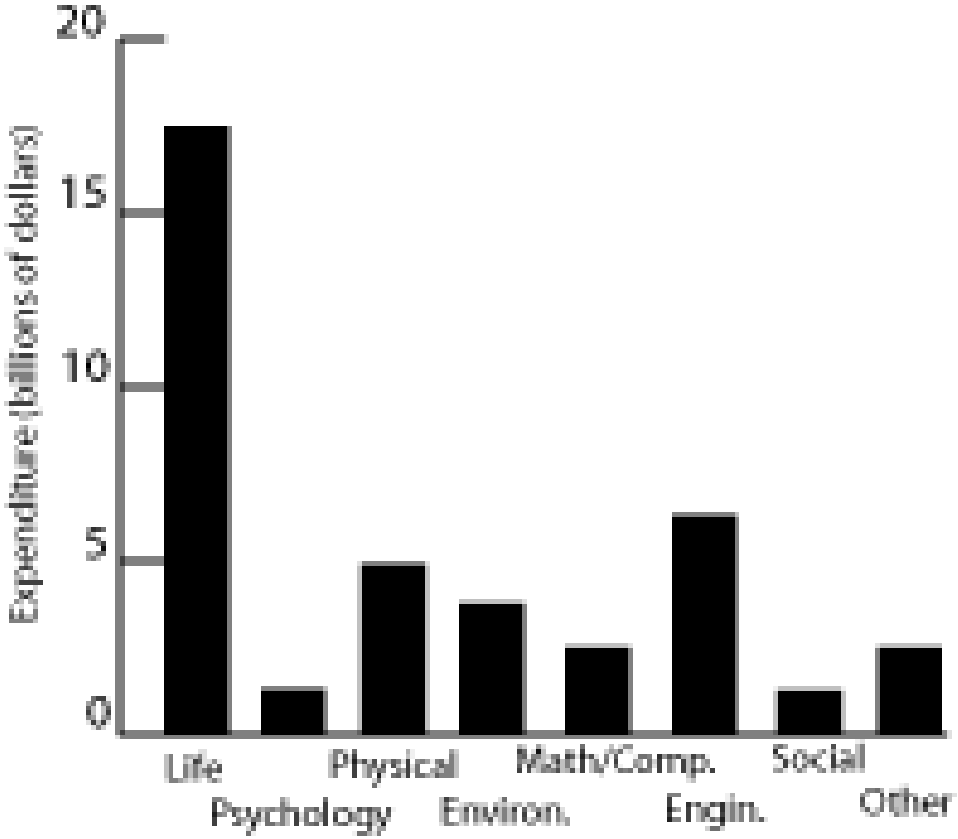
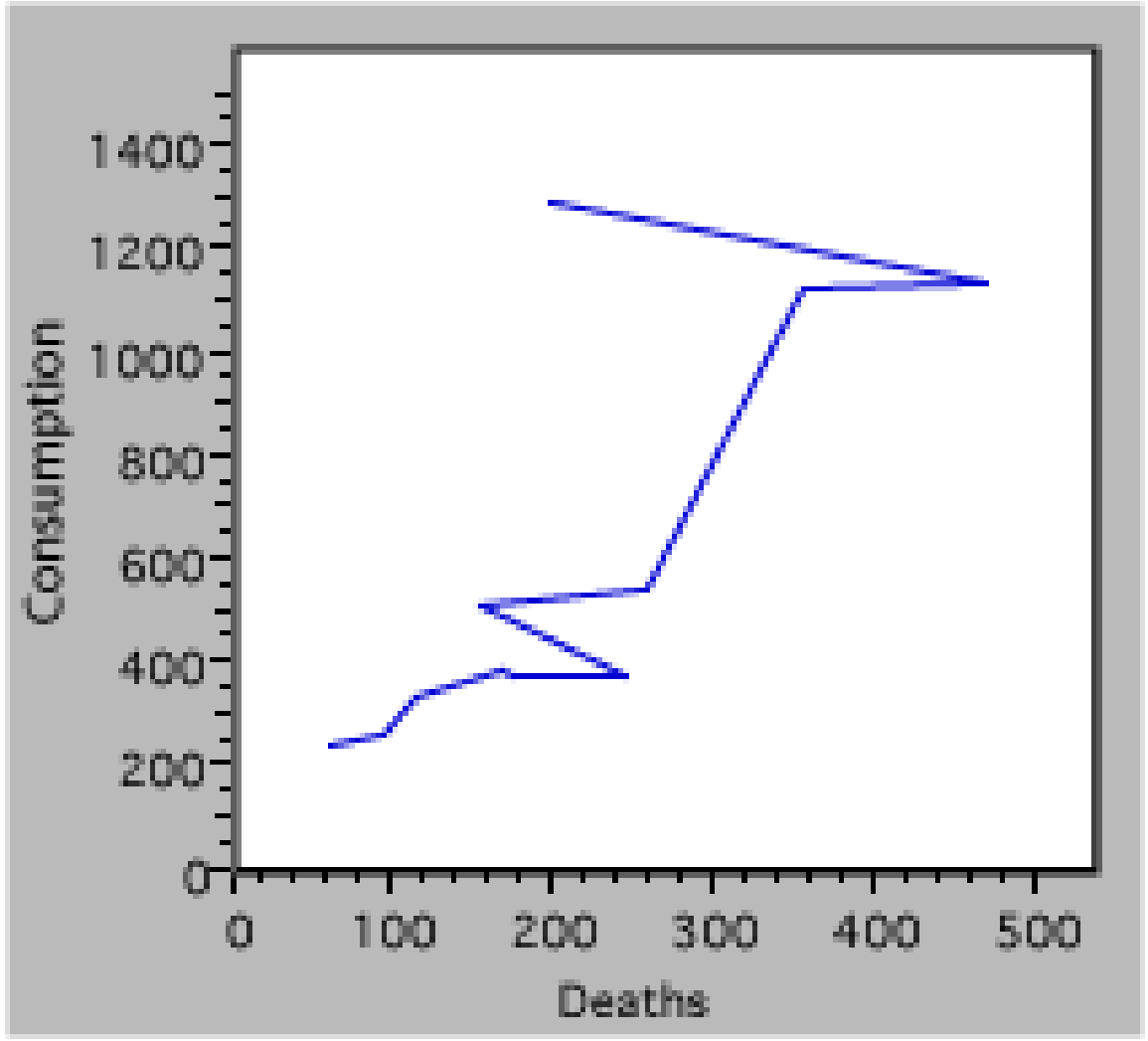


Research expenditures for various scientific fields.

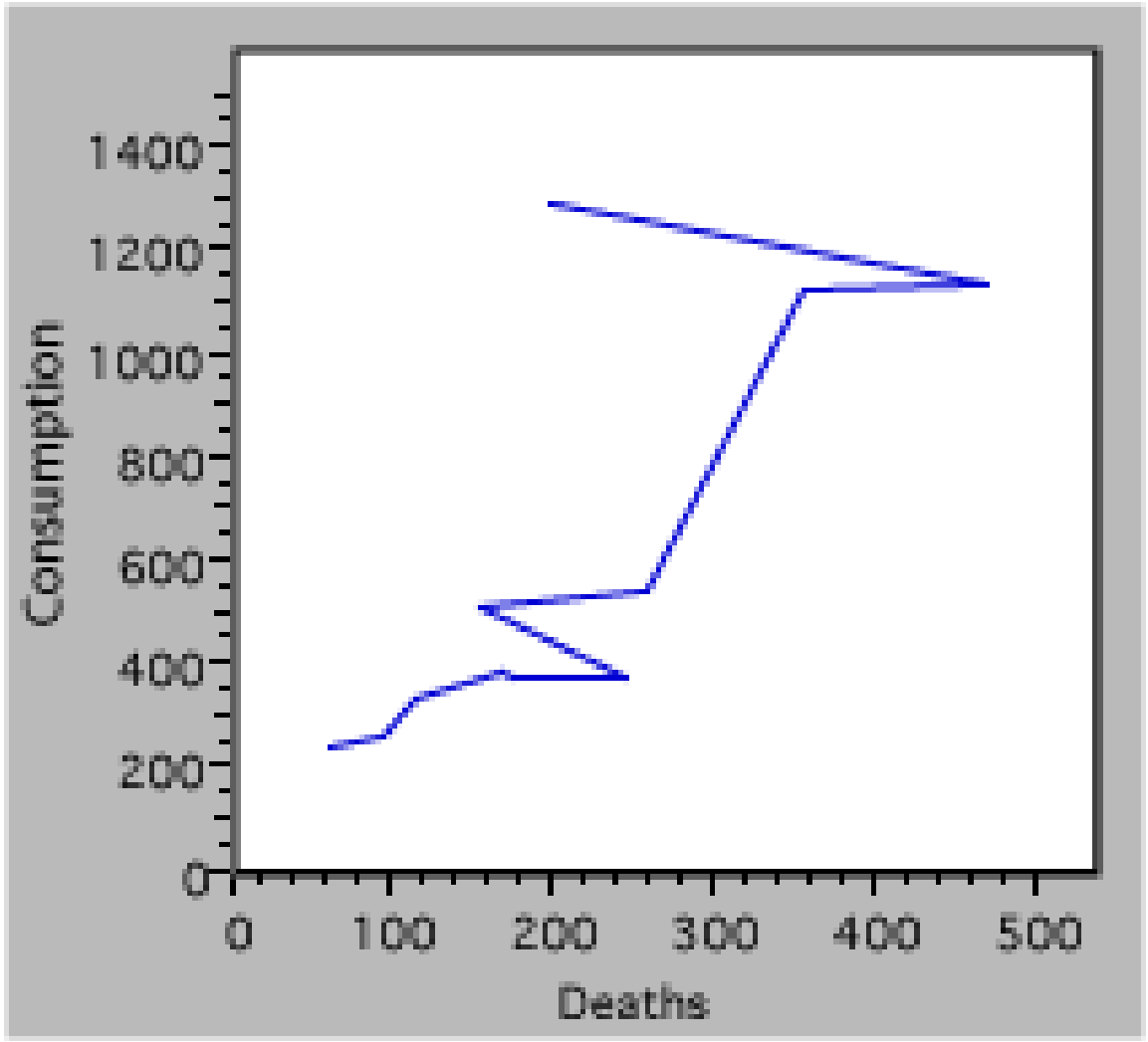


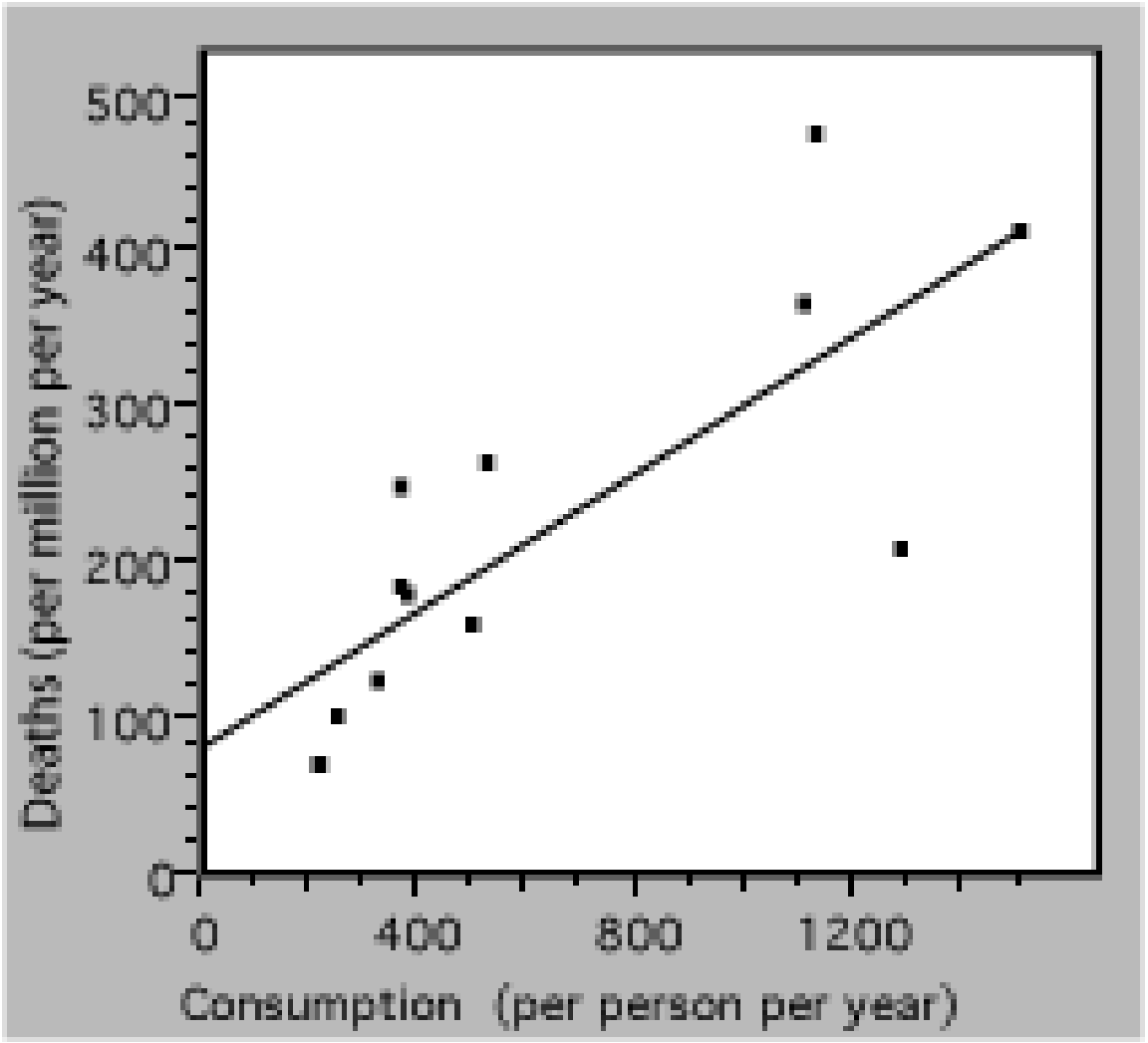


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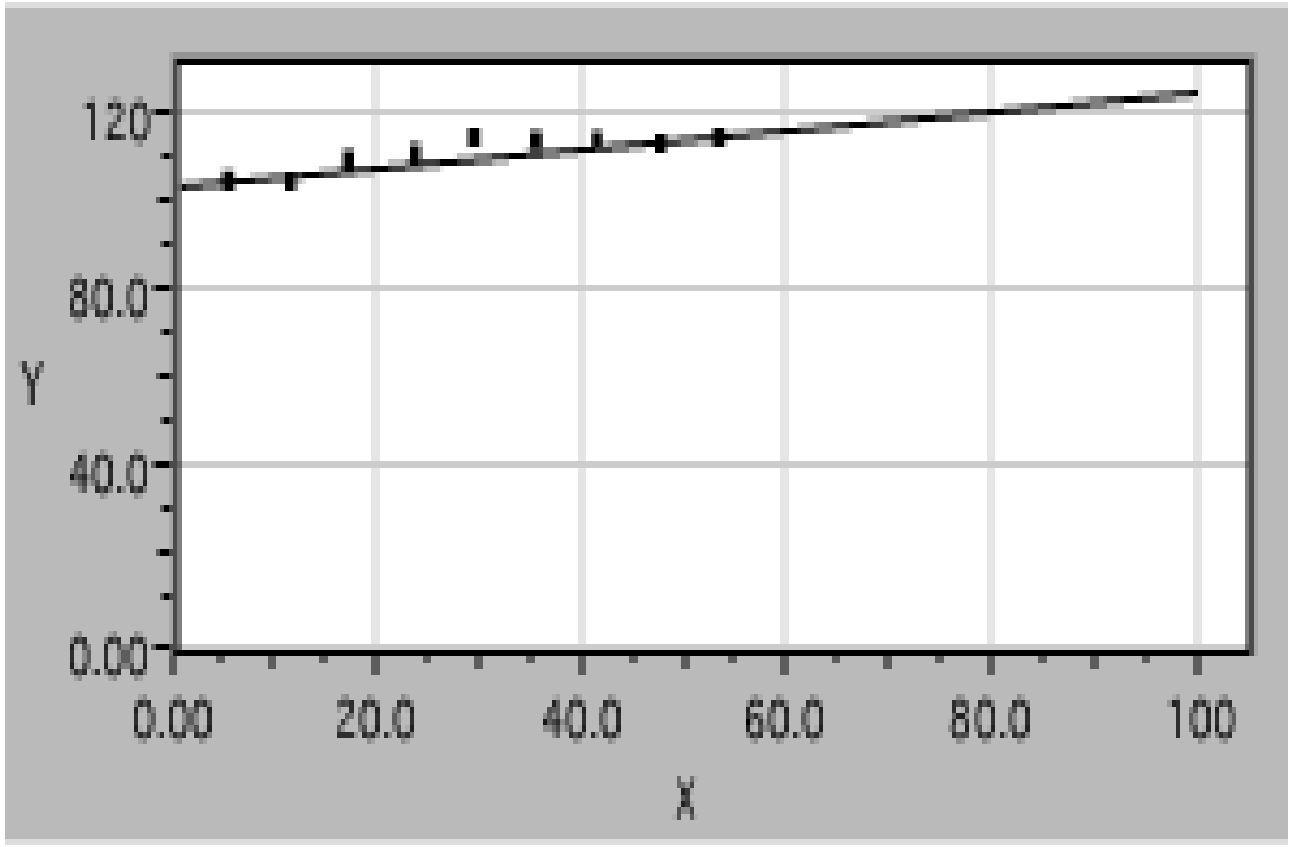


Deaths due to cigarette consumption

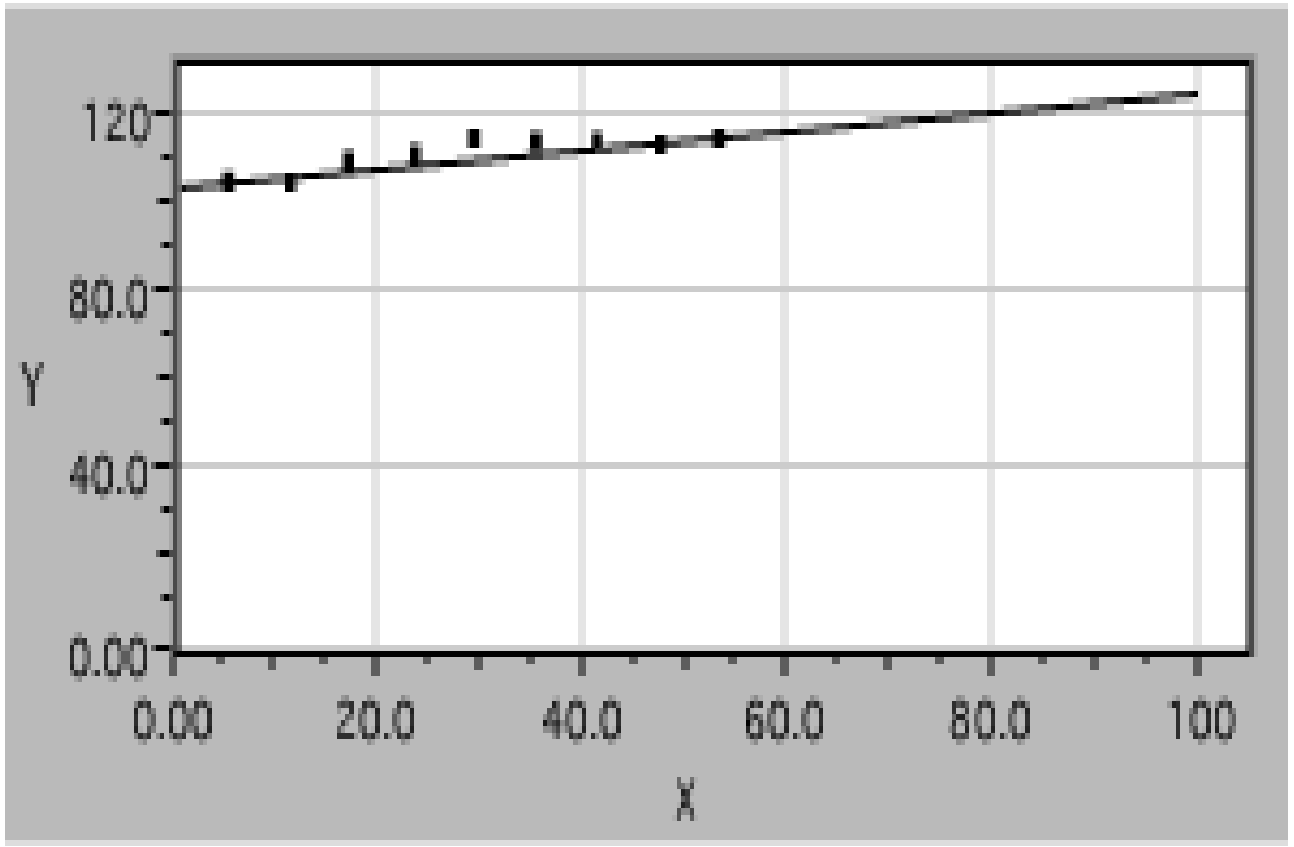


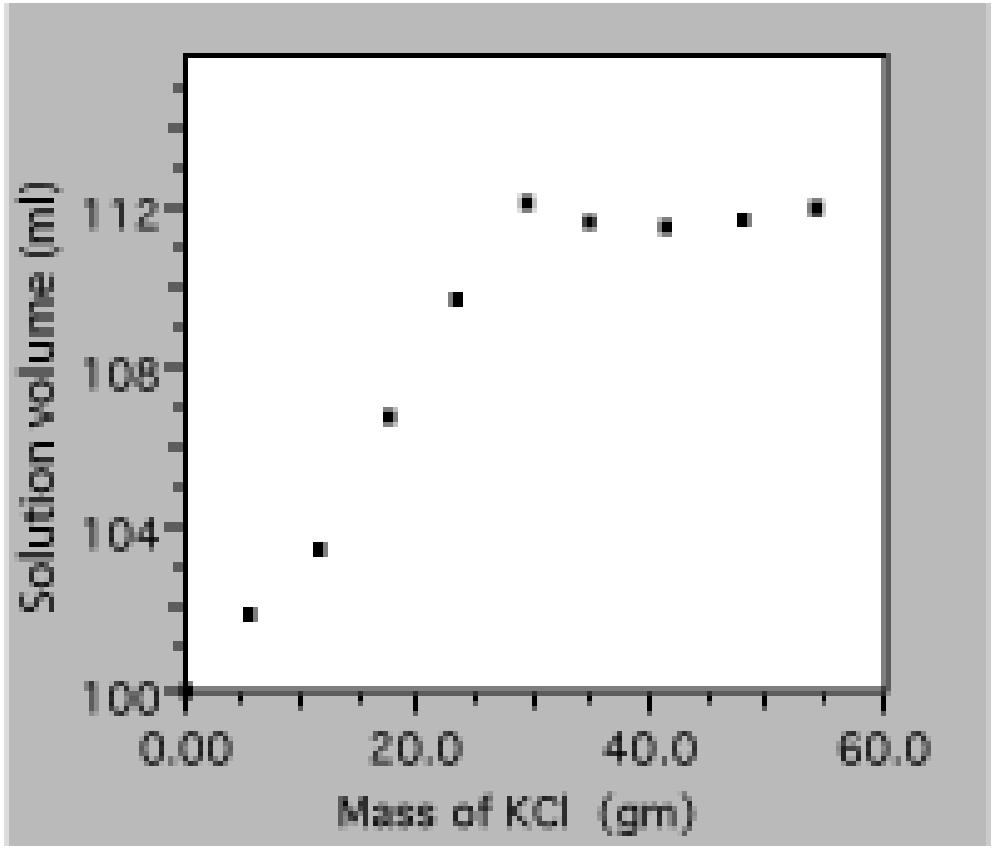


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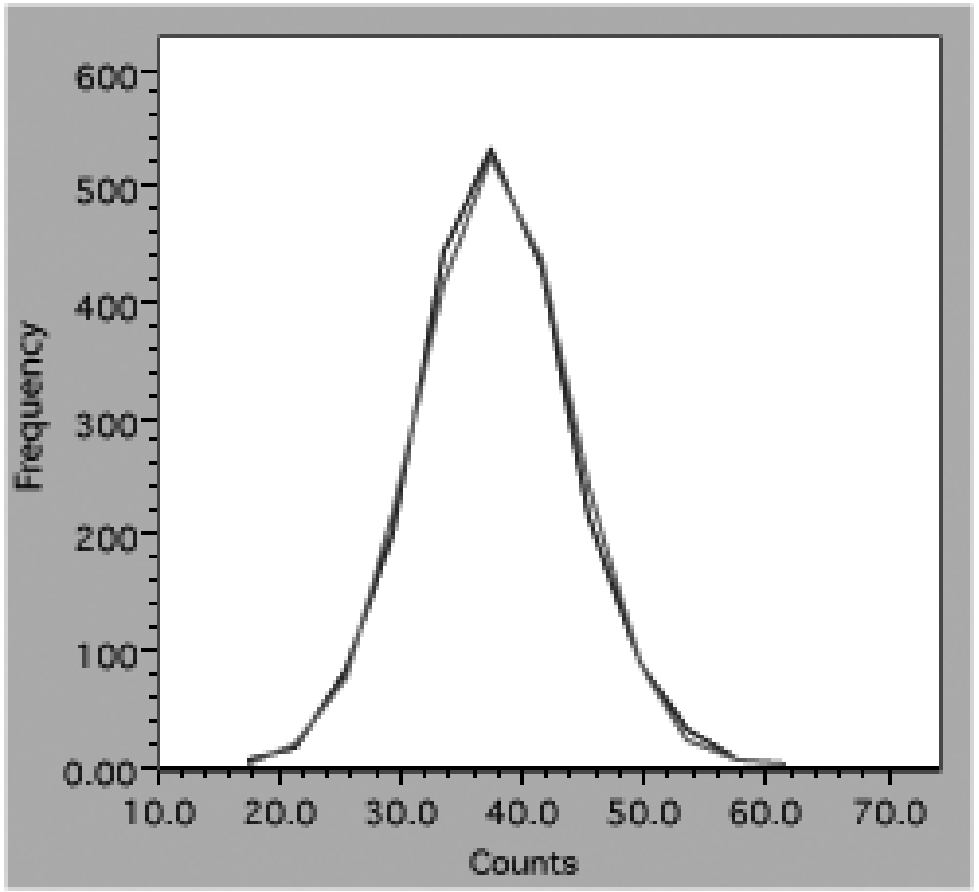
Solution volume as a function of KCl mass.





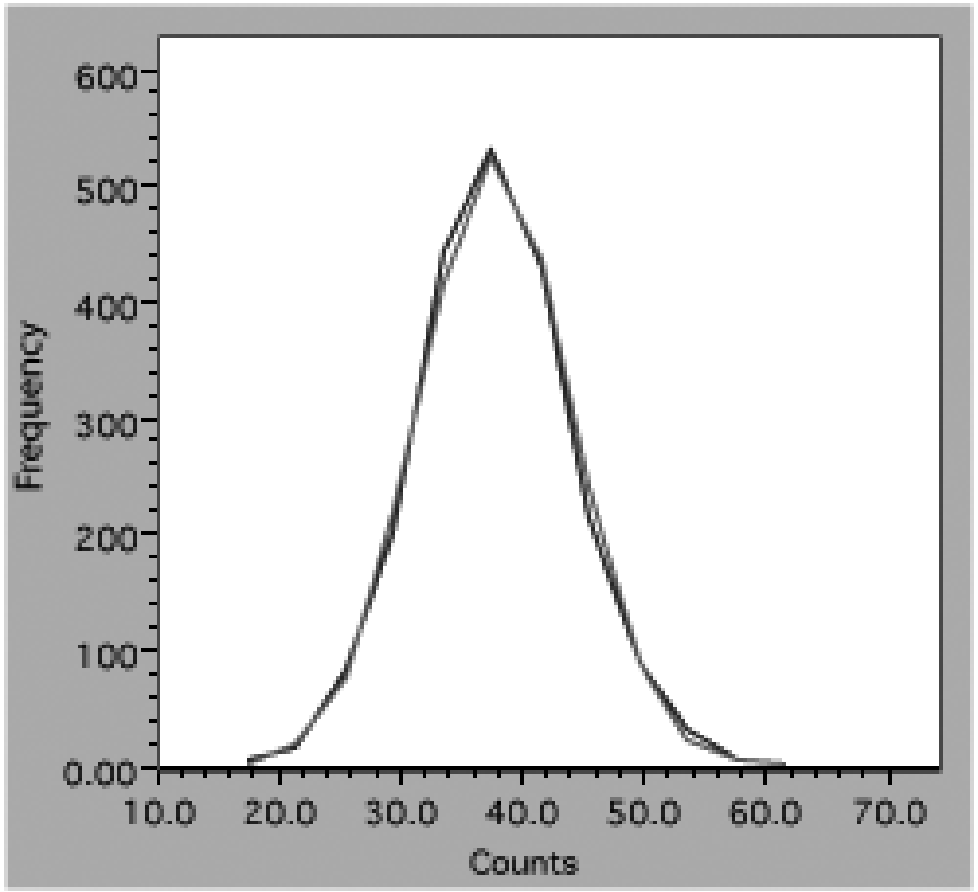
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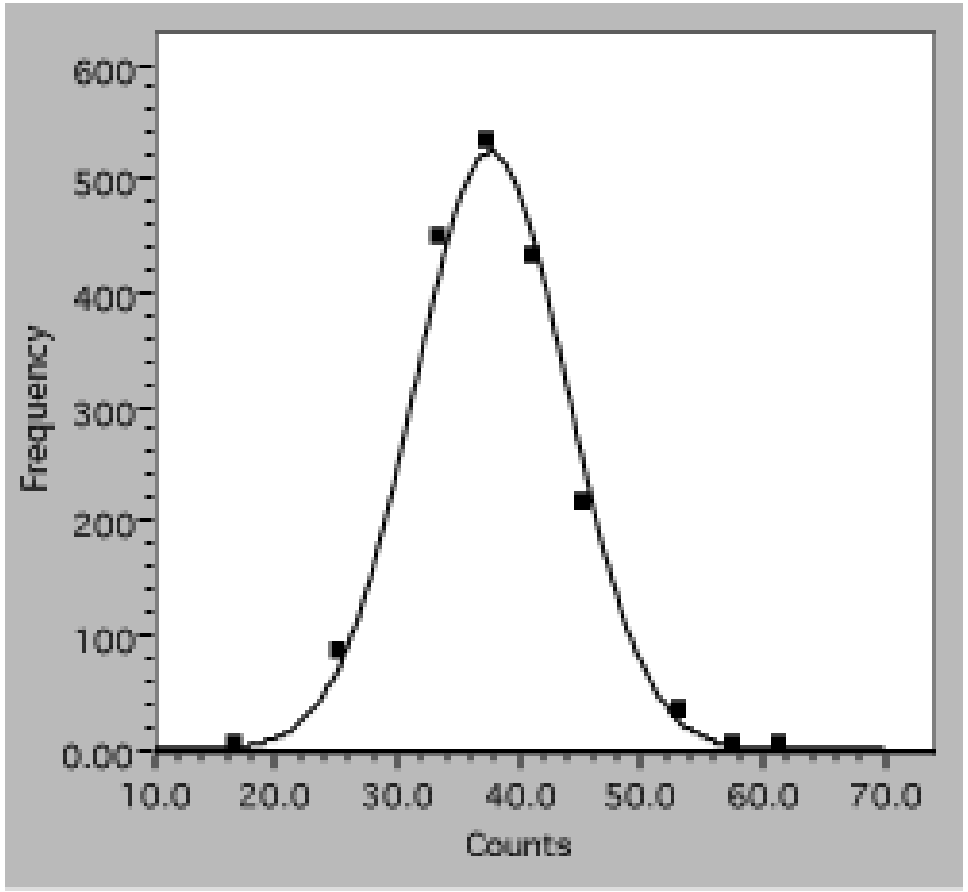
No of Gamma Rays Emitted in fixed Time



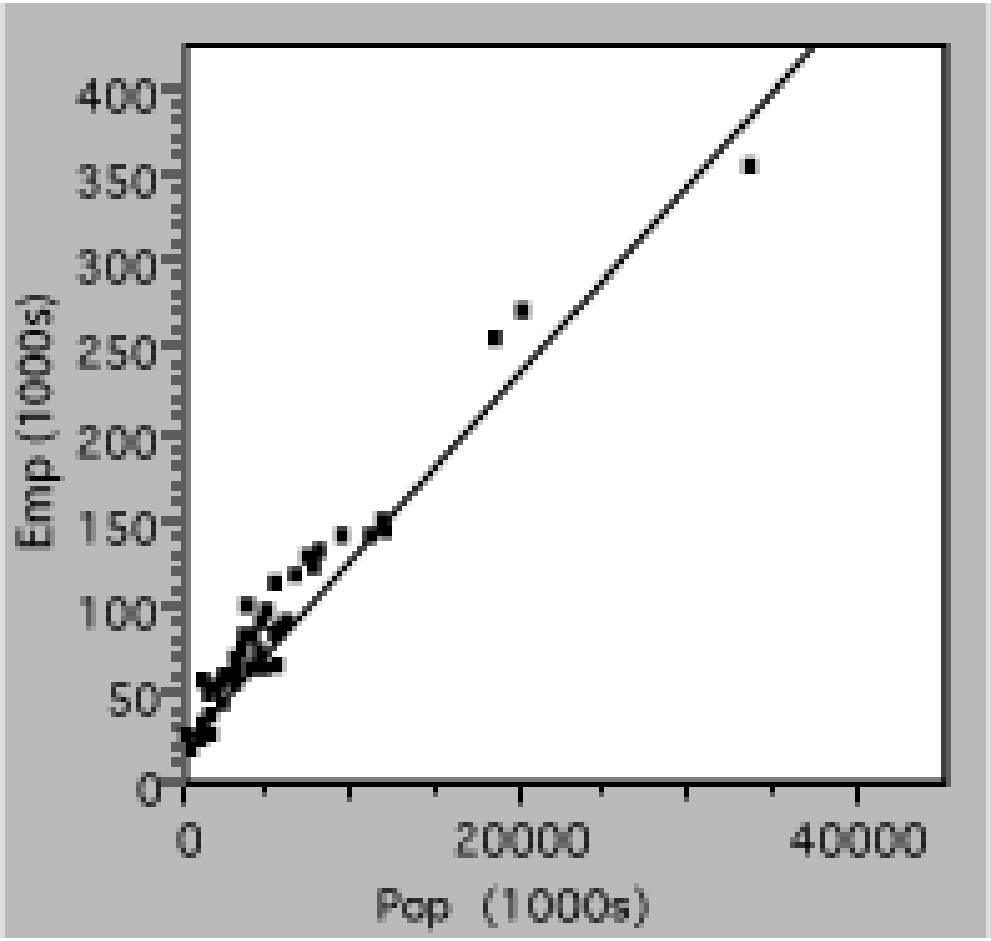
Comparison of data and theory for counting experiment.

No of Gamma Rays Emitted in fixed Time

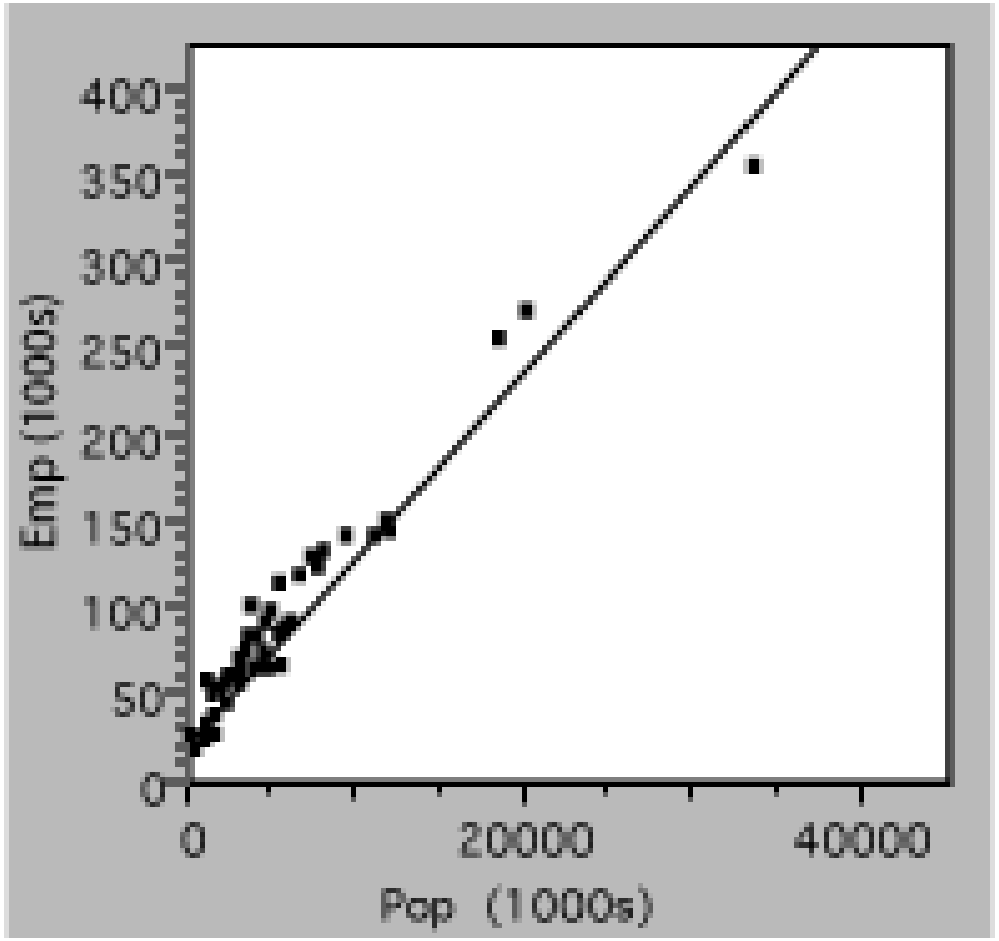


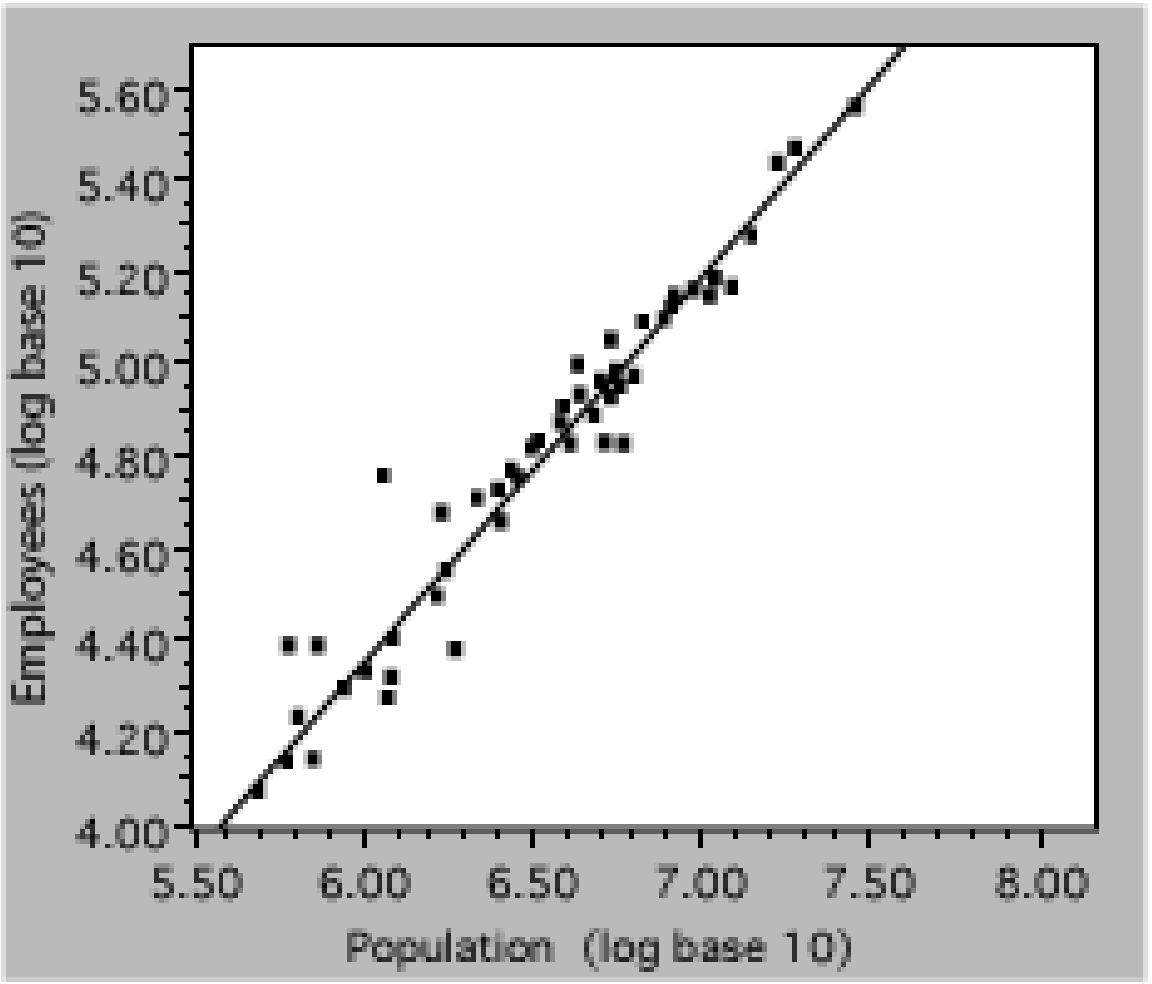


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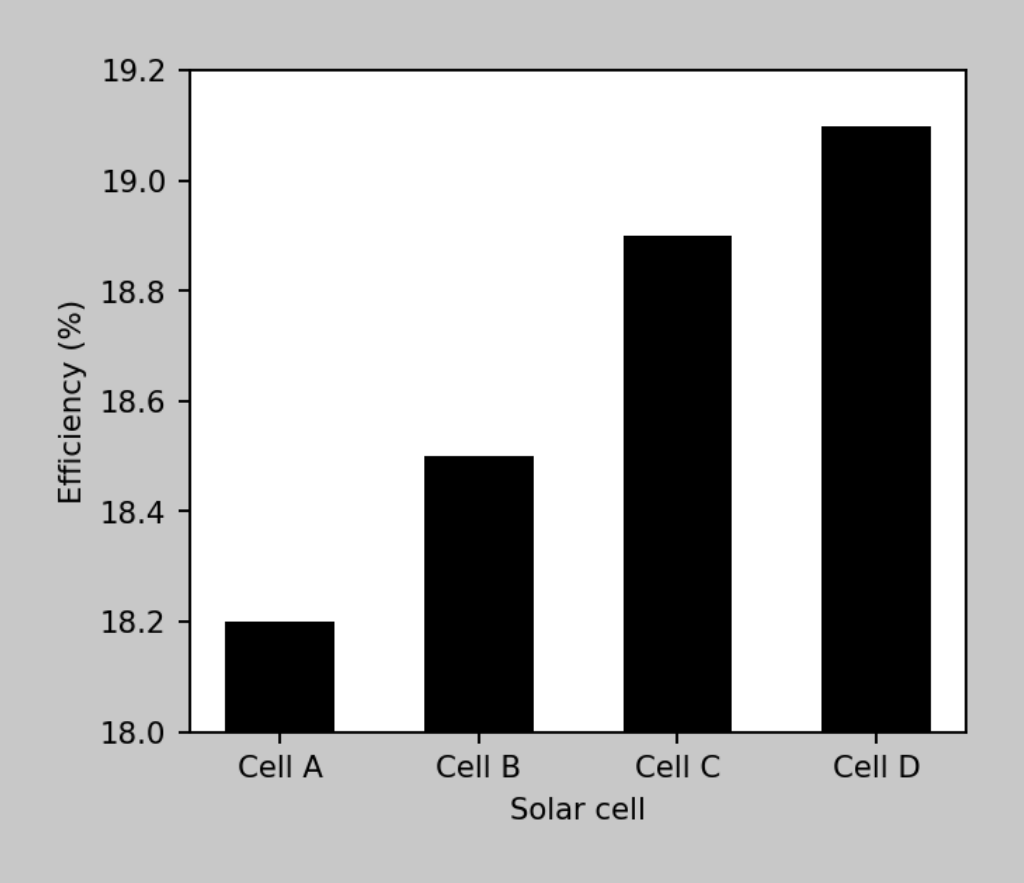


Number of state government employees vs total state population in 2000.

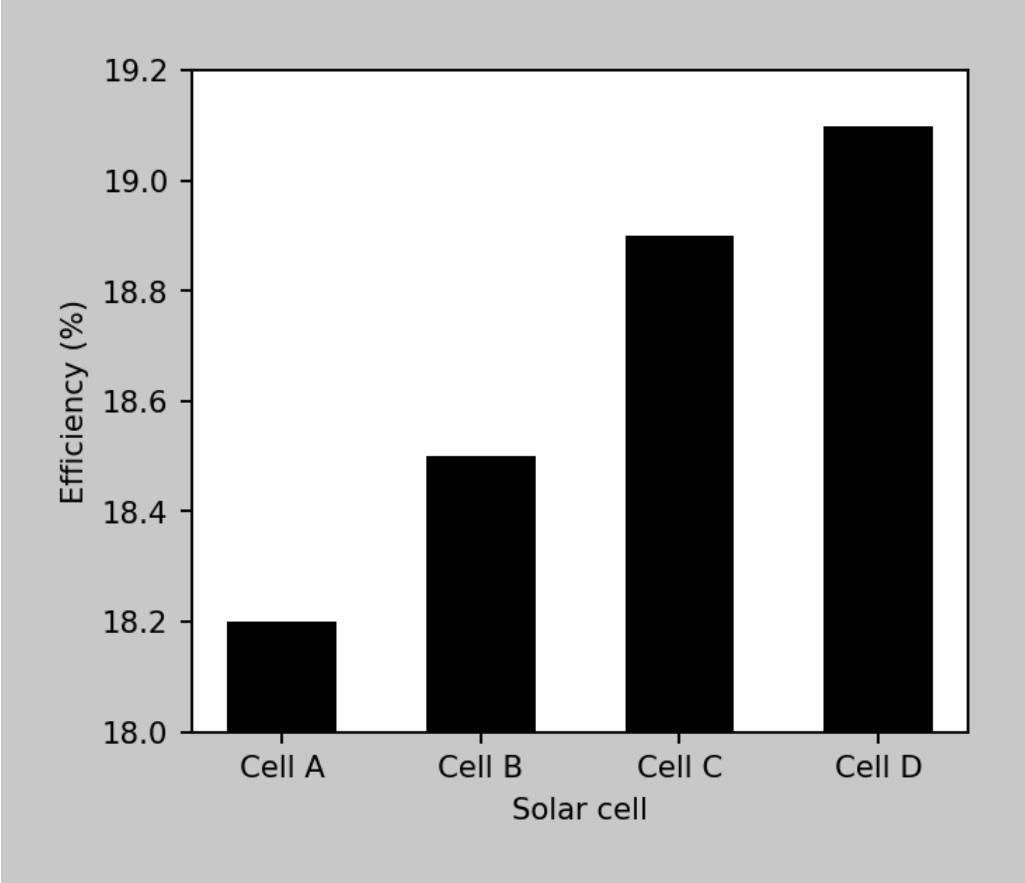


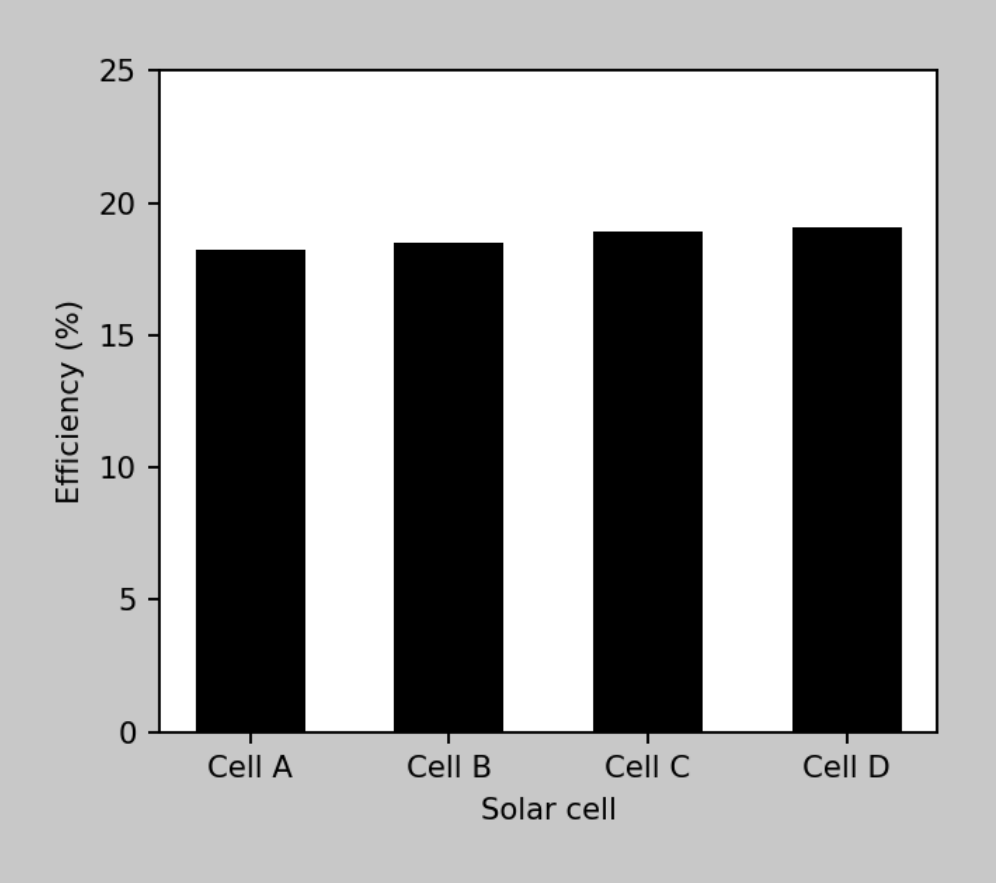


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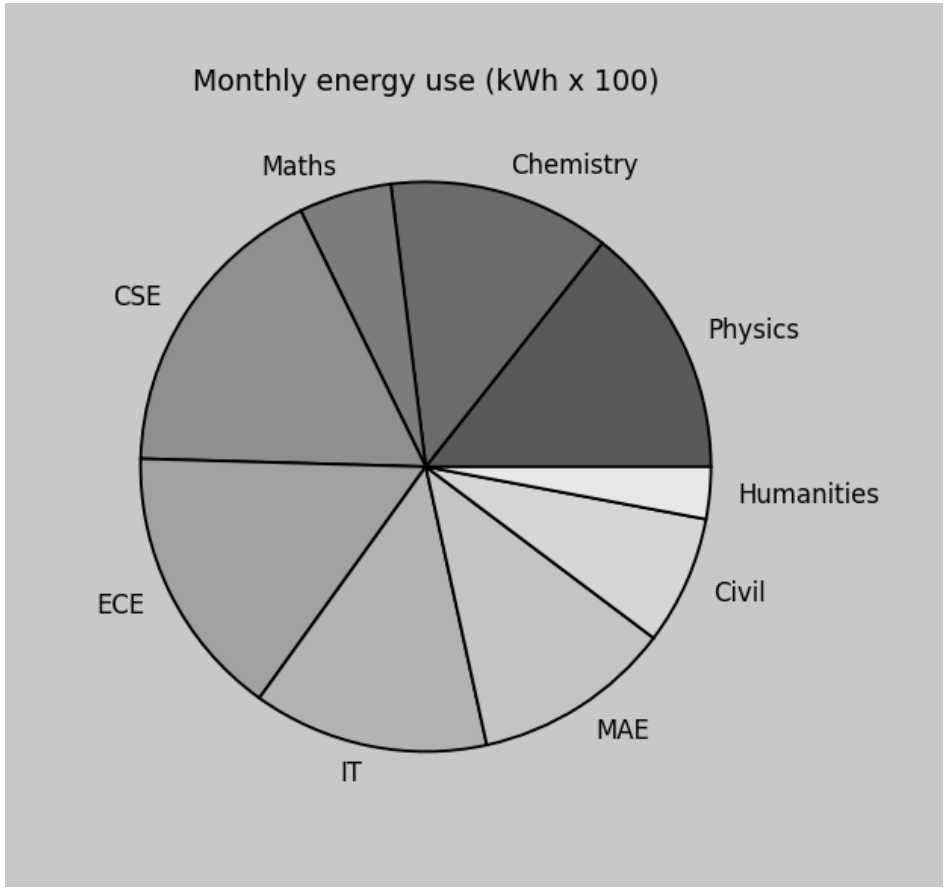


Efficiency of four solar cells measured in the lab.

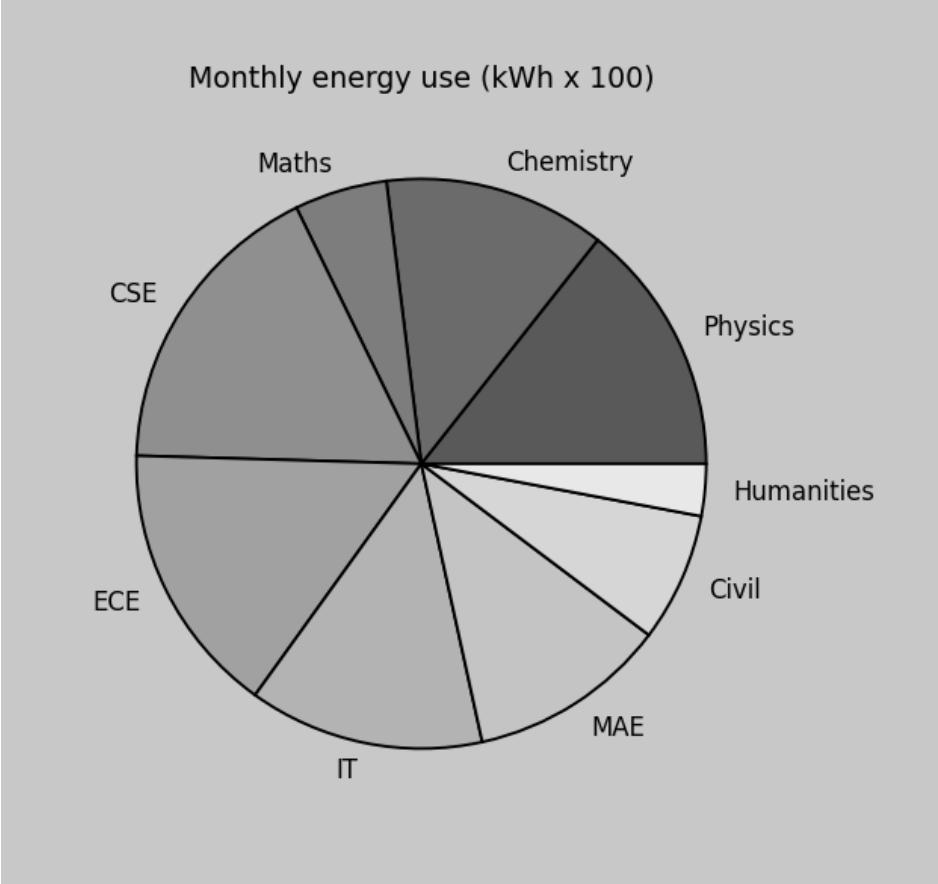


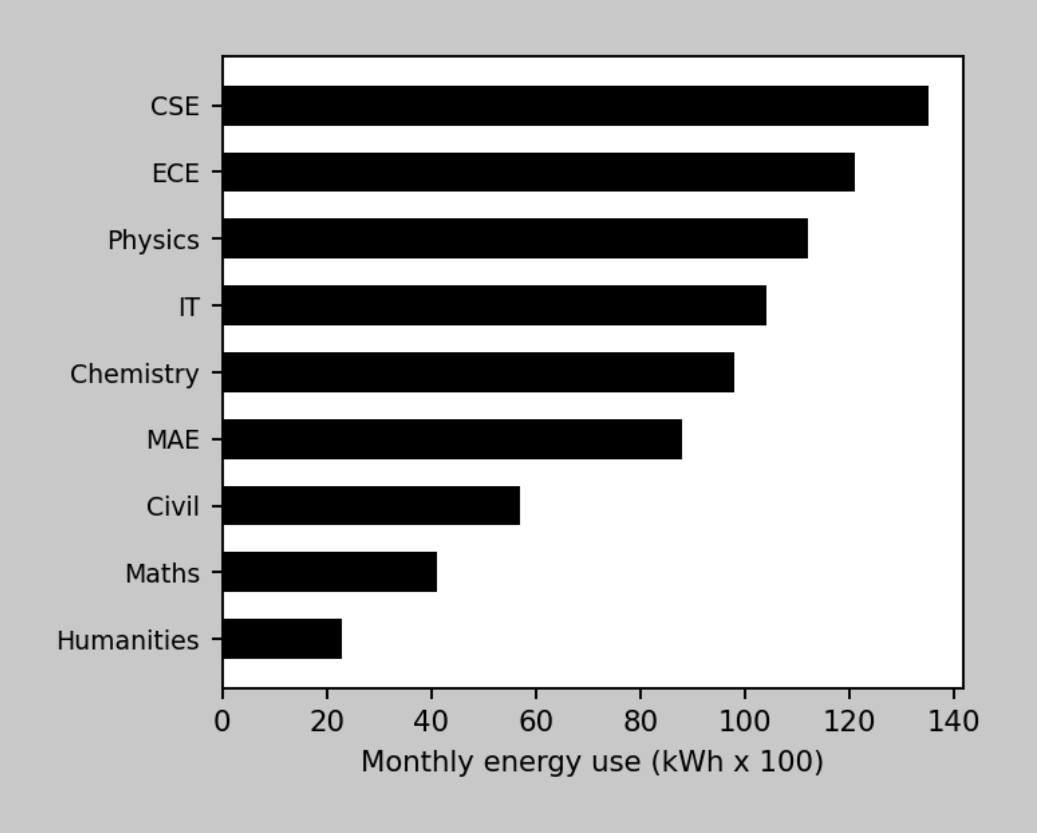


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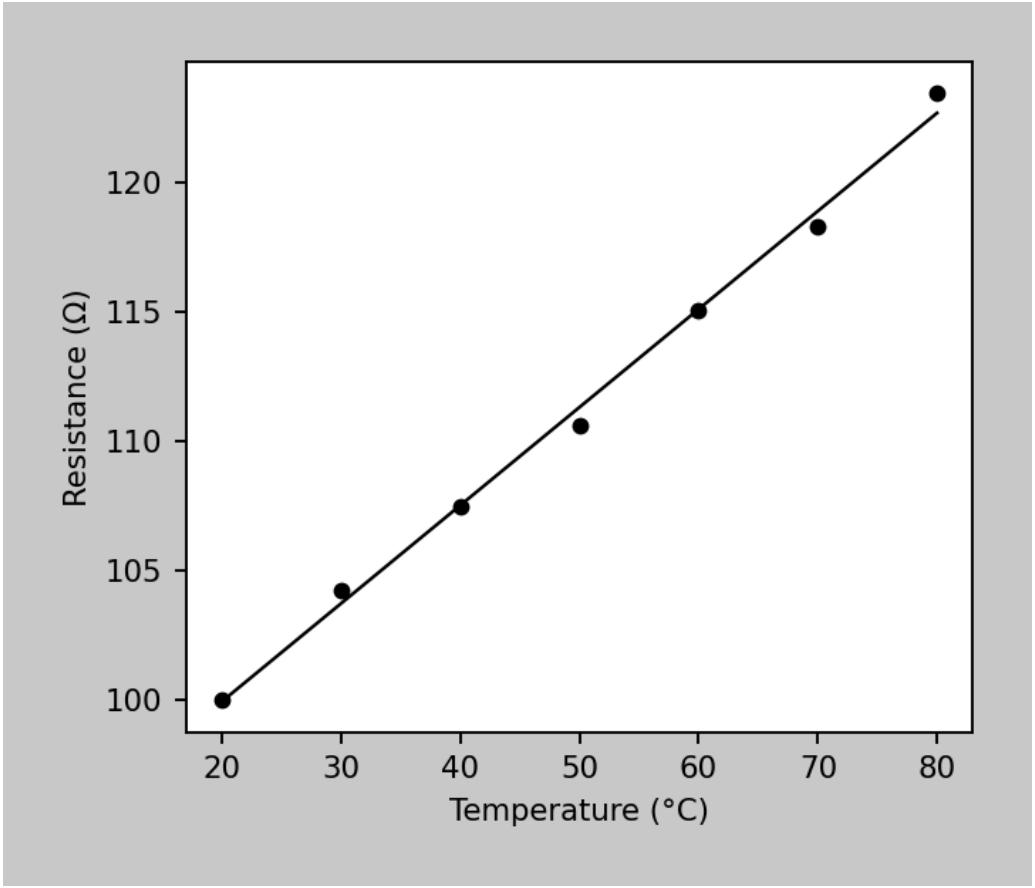


Monthly electricity consumption of nine departments.

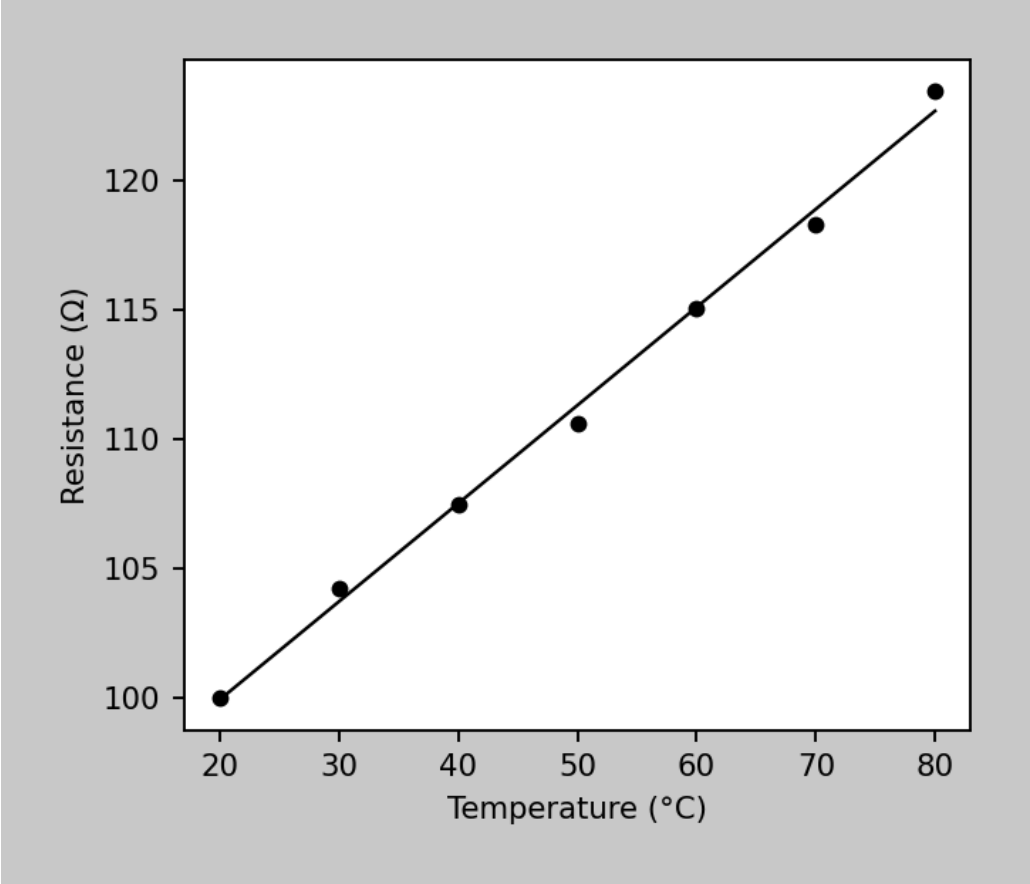


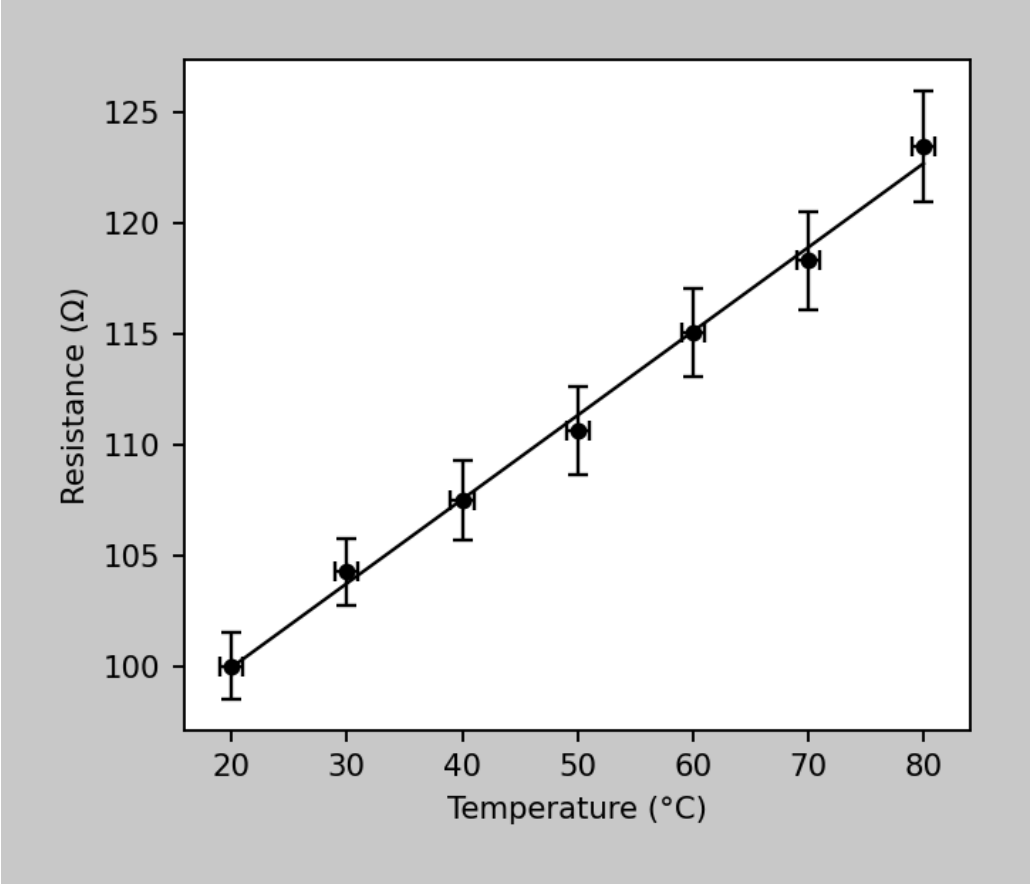


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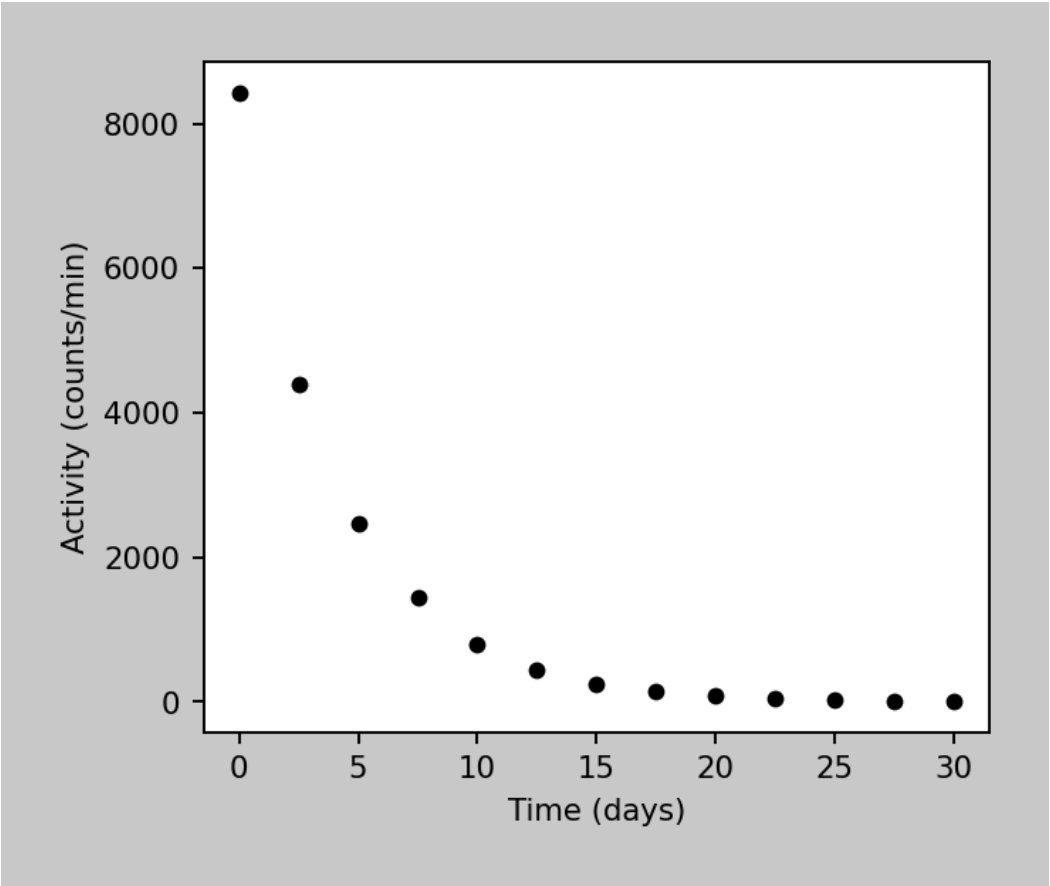


Resistance of a copper coil as a function of temperature.

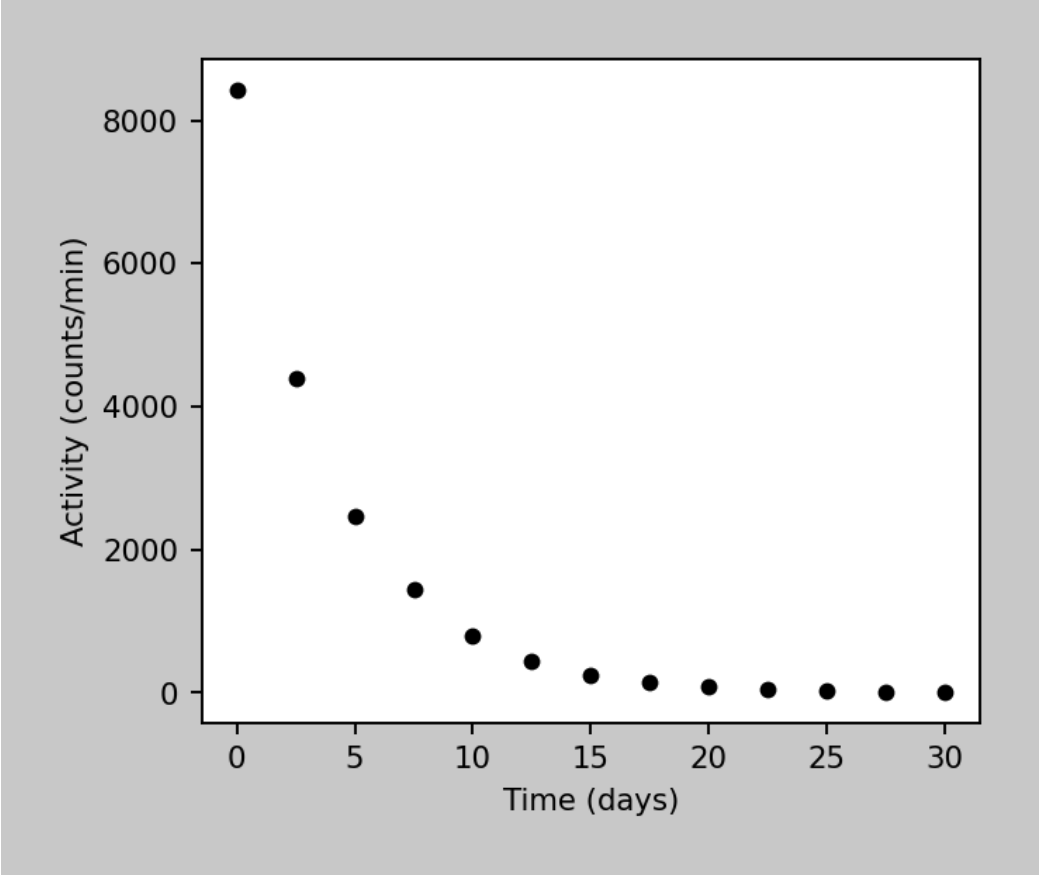


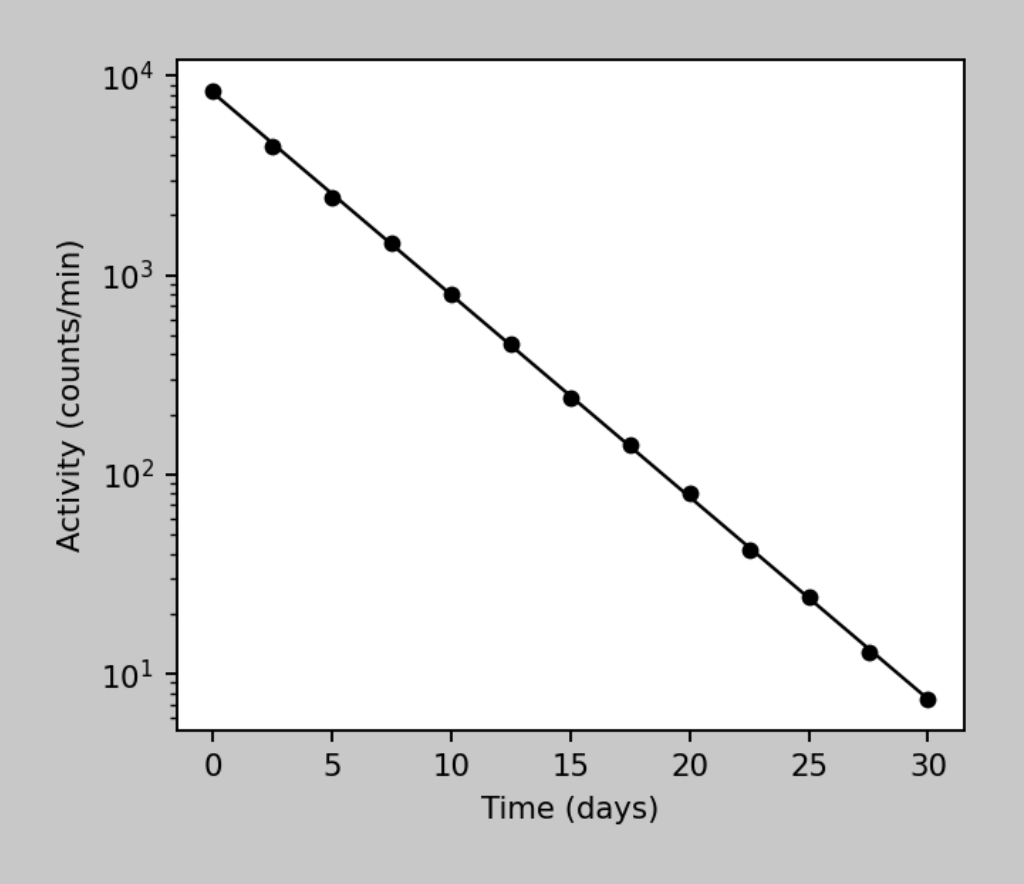


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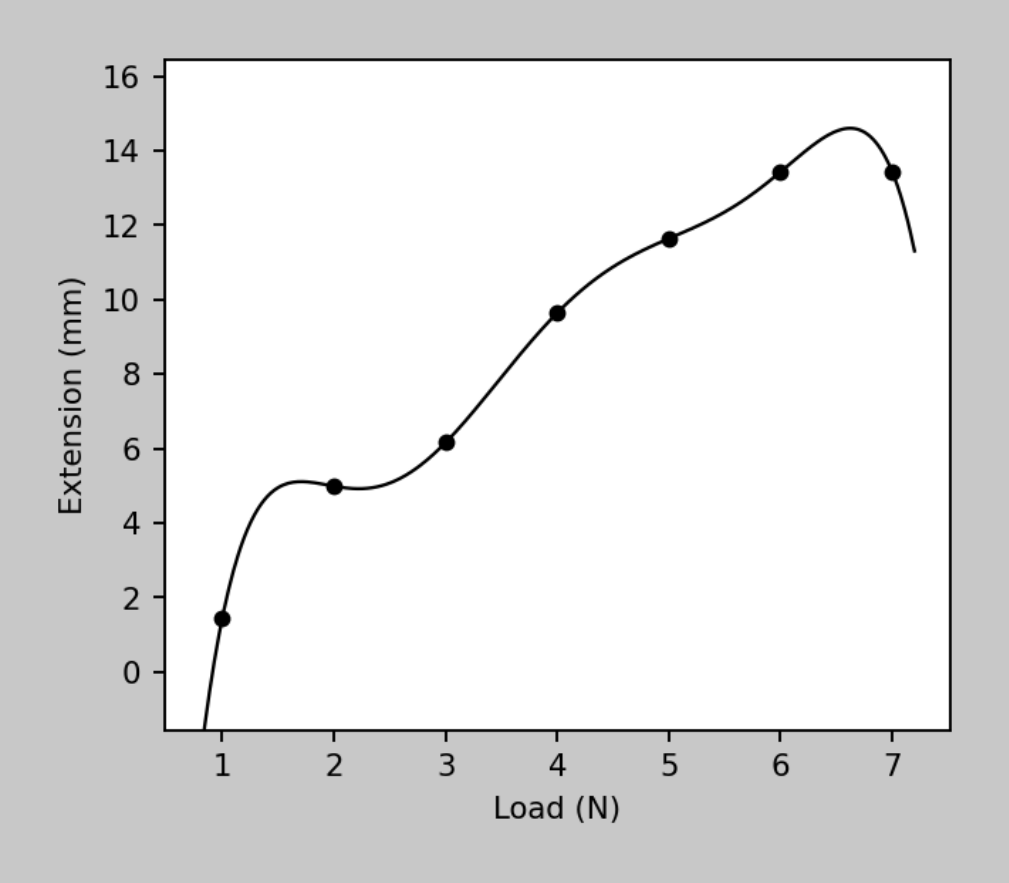


Activity of a radioactive sample measured over 30 days.

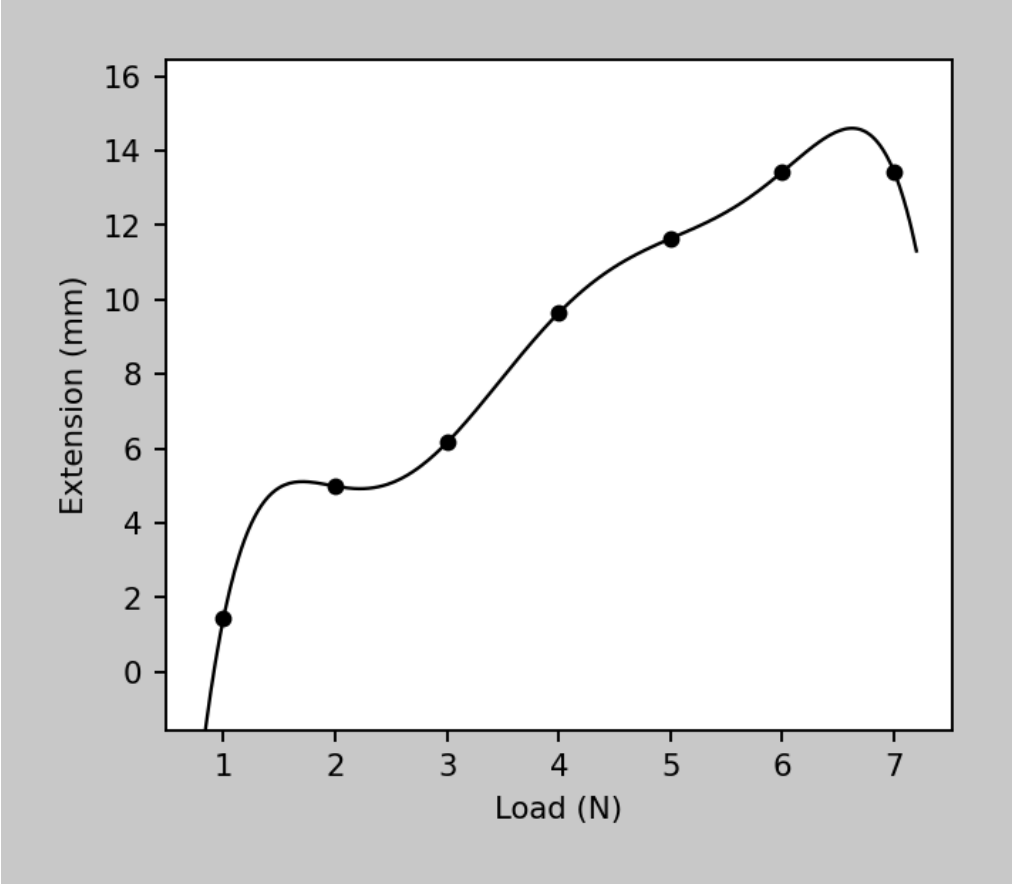


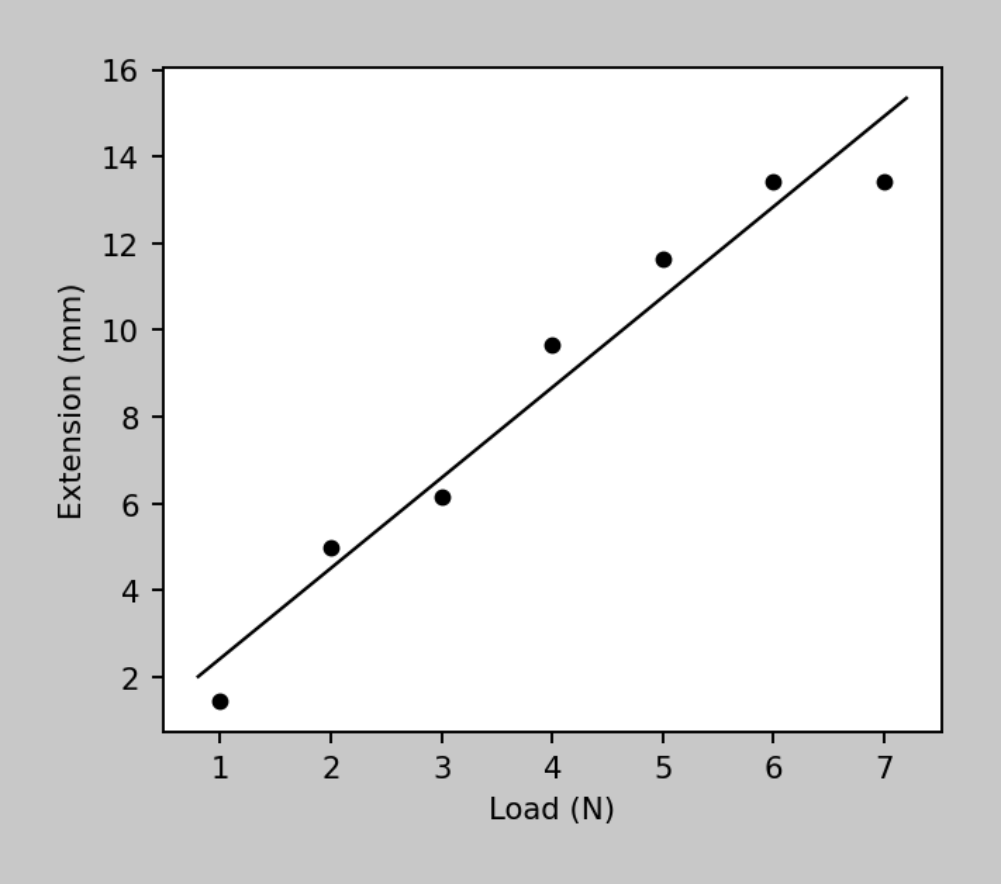


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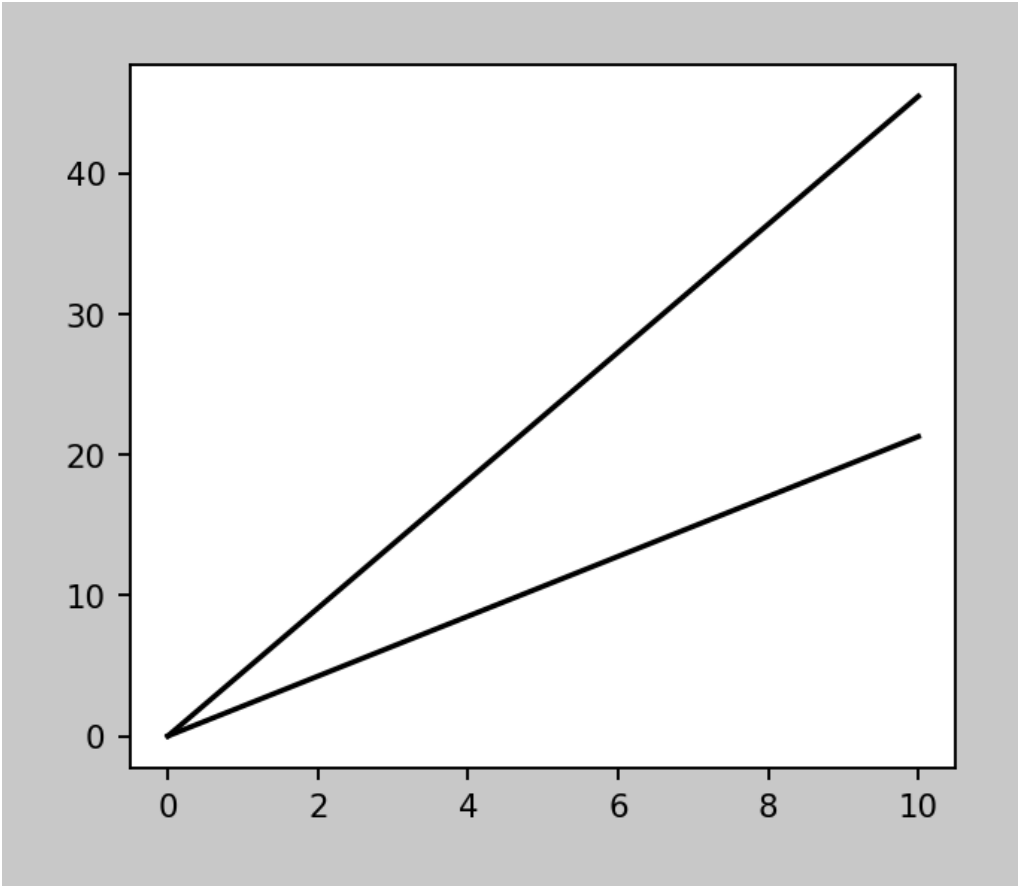


Extension of a spring under increasing load.

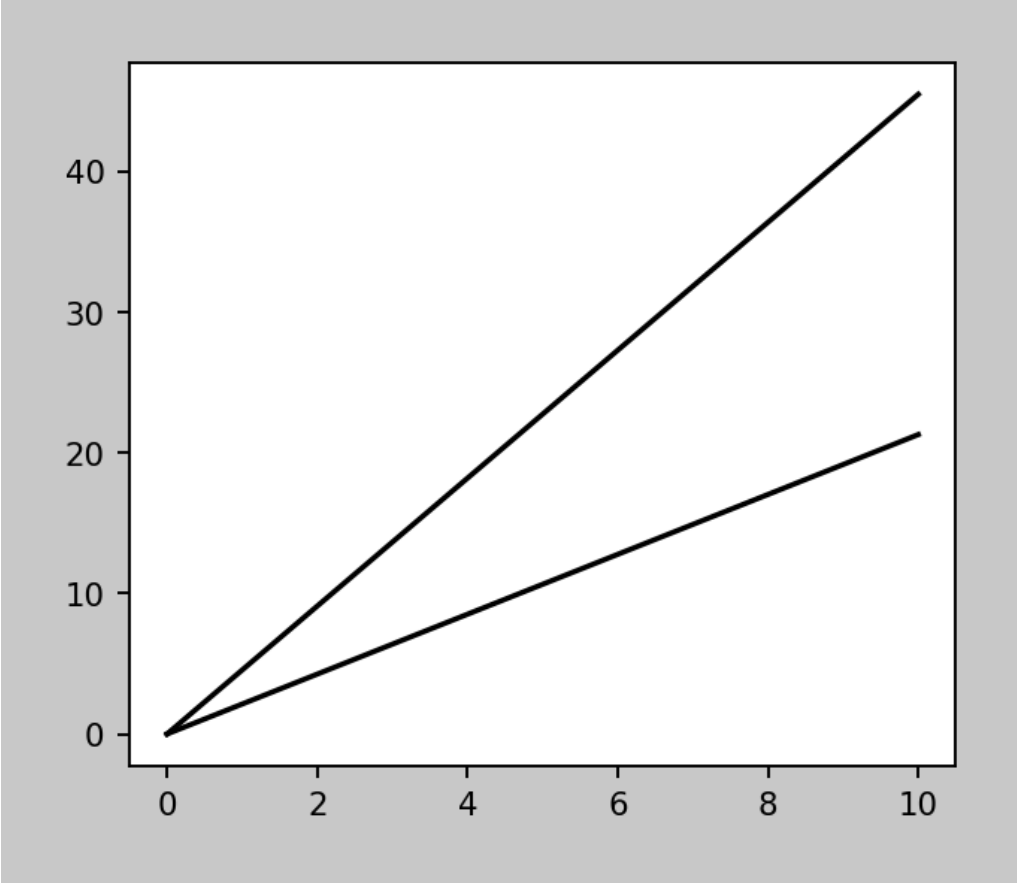


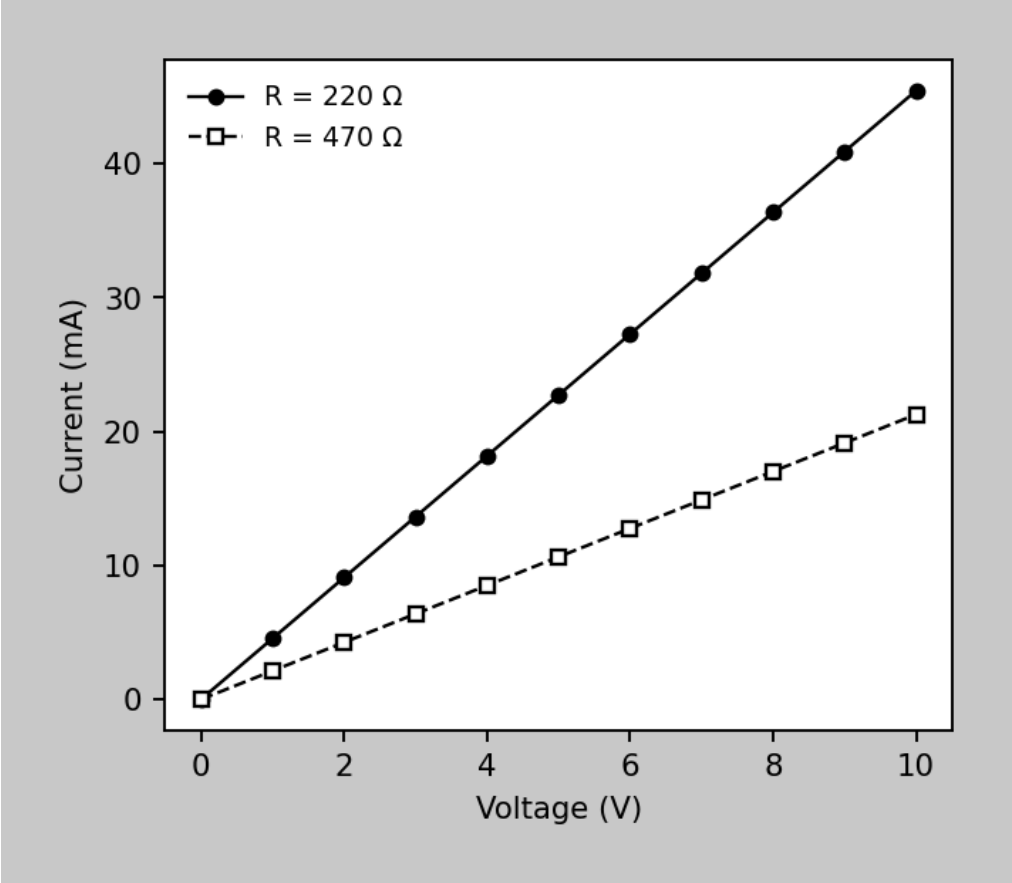


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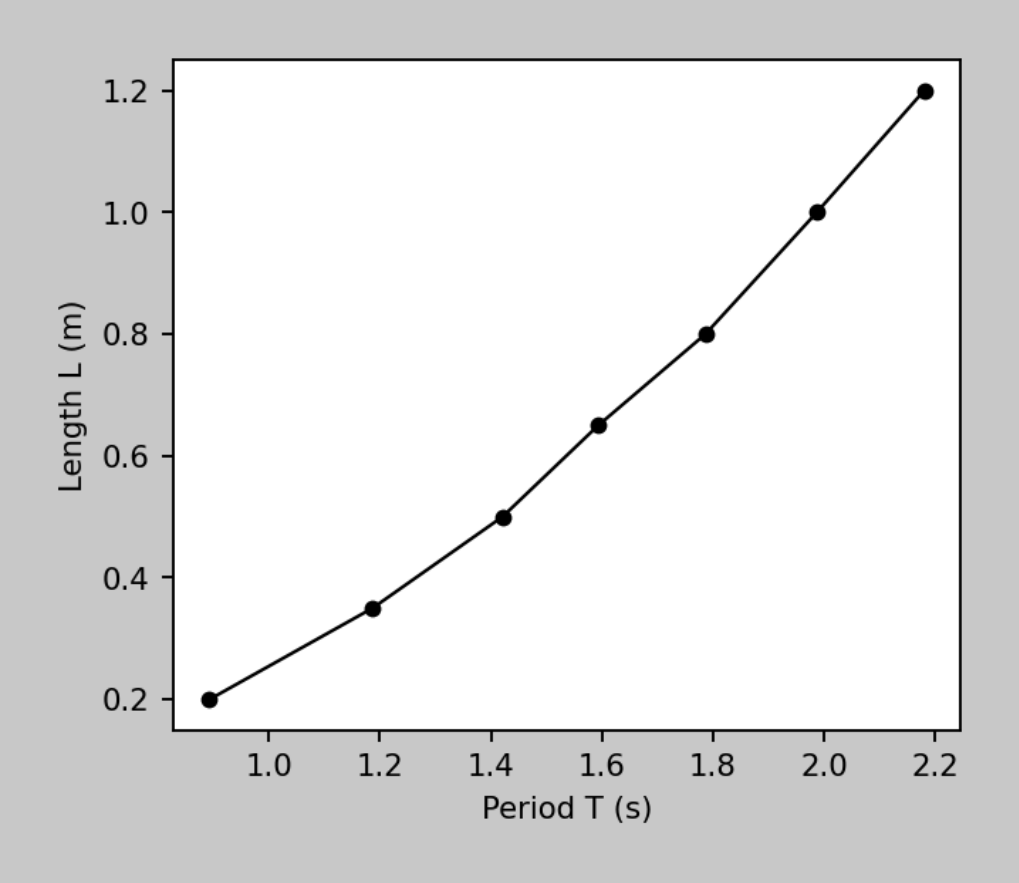


Current through two resistors for applied voltage.

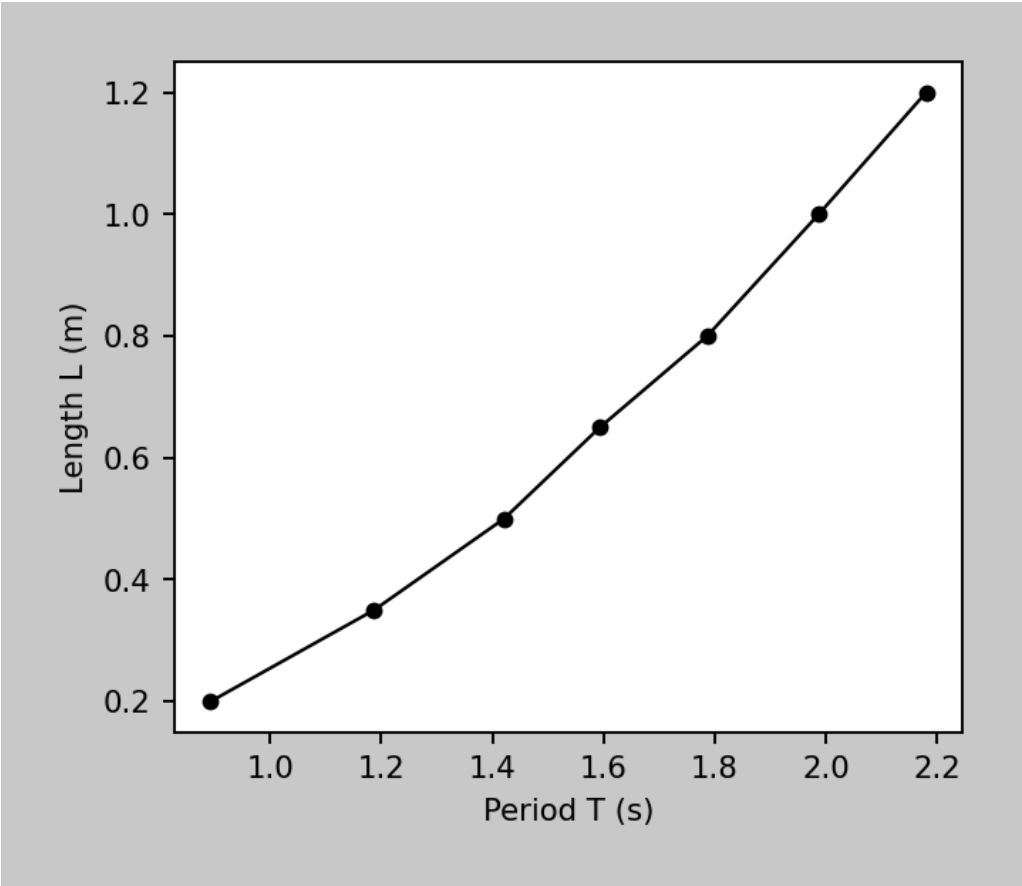


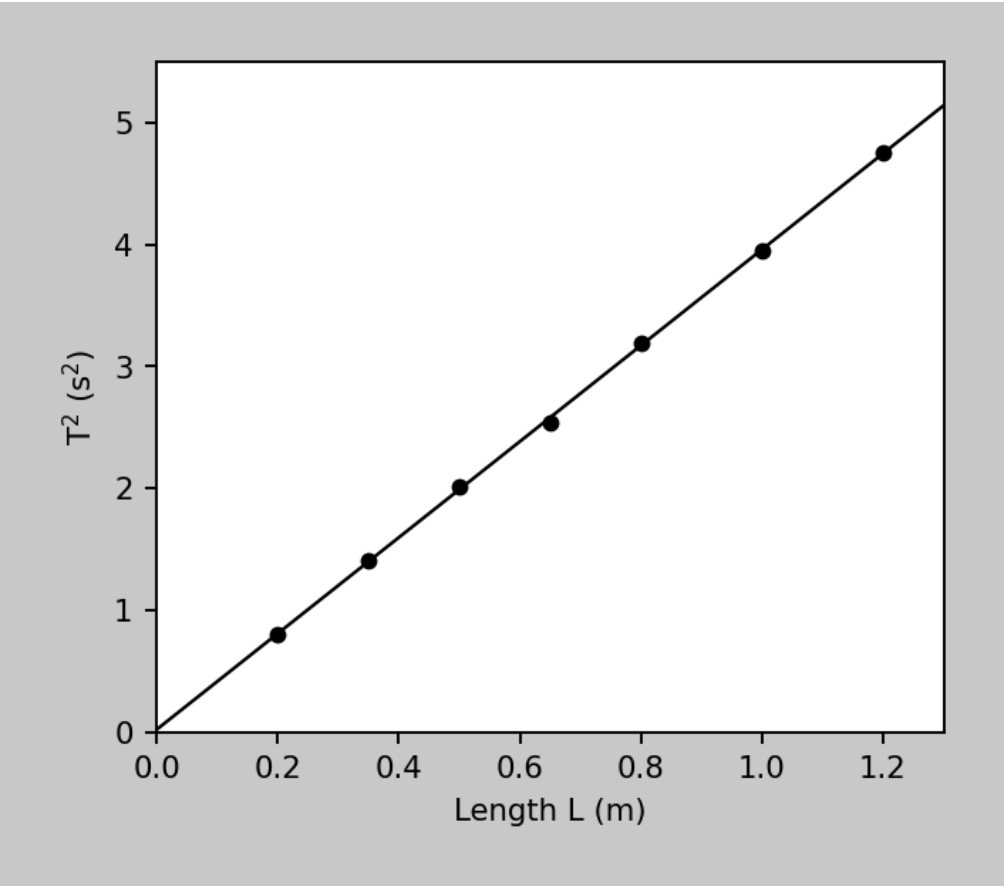


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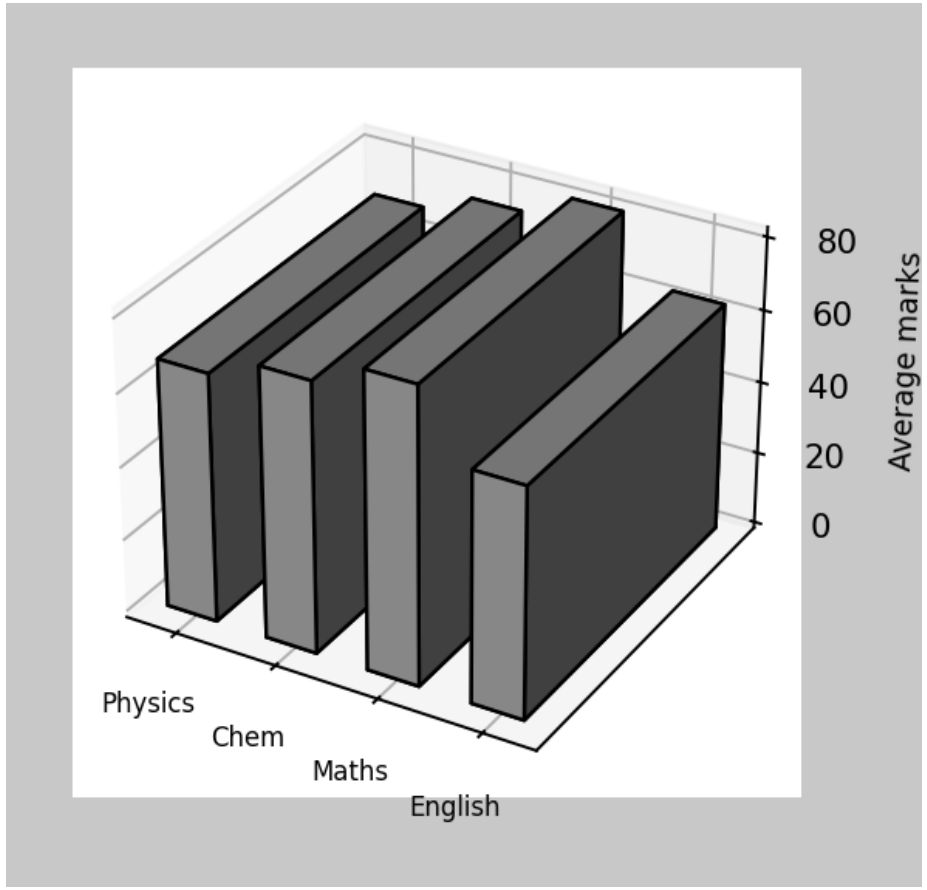


Simple pendulum: length and time period.

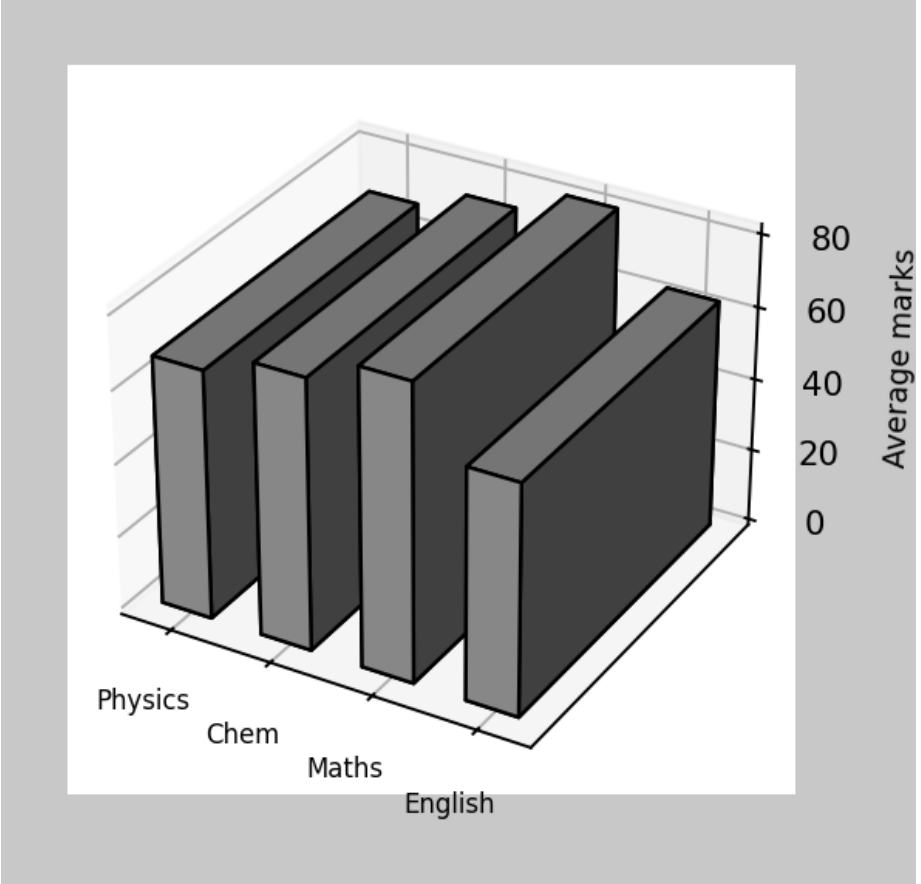


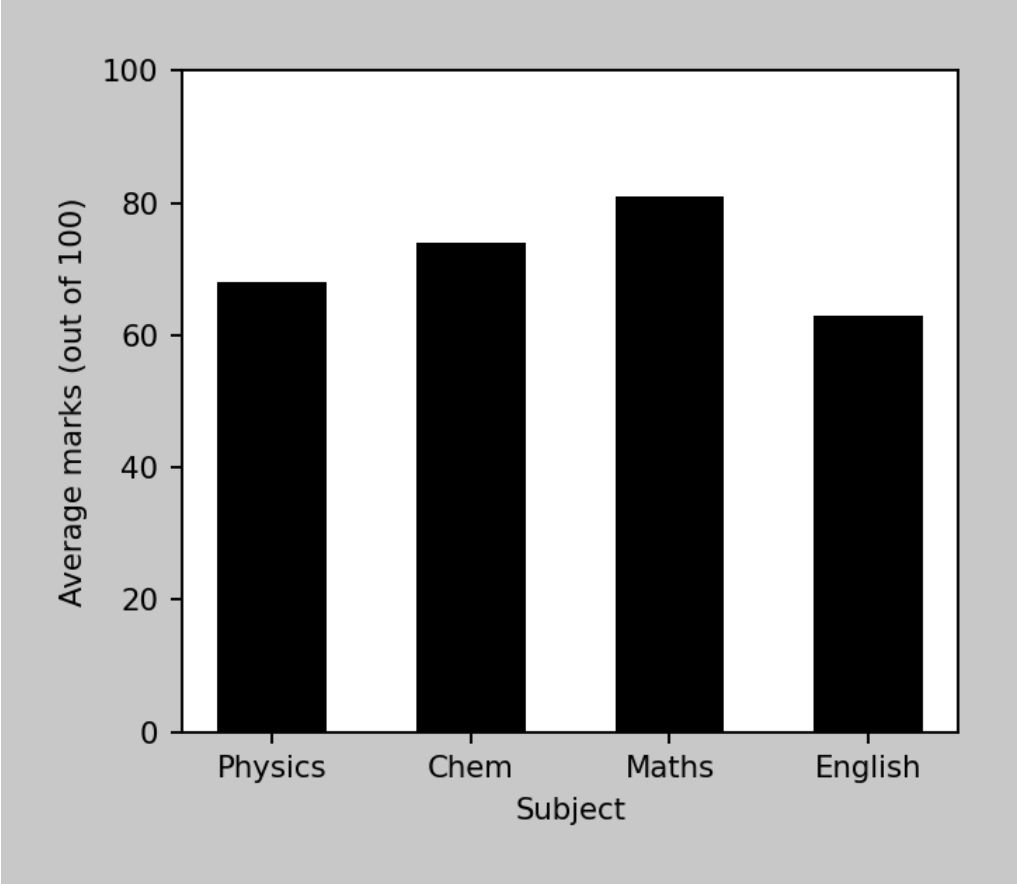


Simple pendulum: length and time period.



Average marks of a class in four subjects.





Average marks of a class in four subjects.

Checklist: before you show a plot

- Independent variable on the x-axis, dependent on the y-axis.
- Every axis labelled, with units; numeric axes start at zero unless there is a good reason.
- Choose the plot type for the data: bars for categories, points for measurements, never join scattered points with lines.
- Show measured points as symbols with error bars; the theory or fit as a smooth line.
- Fit the simplest model the physics allows; a curve through every point is not a fit.
- Use log axes when data span several orders of magnitude, or transform to get a straight line.
- Distinguish series by symbols and a legend, not by colour alone; avoid 3-D and other chart junk.
- A caption should let the reader understand the figure without the text.

Design an experiment to verify the following equation .
Plot your observations

$$n_1 \sin\theta_1 = n_2 \sin\theta_2$$

