



Opposition: Weak Signals

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Problem 16: Weak signals

Controlling **signal-to-noise ratio** is important in many measurements to **distinguish** a **meaningful signal** from **statistical fluke**. Propose a problem requiring experiments to **detect very weak signals**.

Test peoples accuracy in detecting common examples of weak signals.

Theory



1. Gave illustrative examples



1. List

Experiment



1. List



1. Too small age range
2. No units displayed for pie chart

Questions:

1. Are the obtained values in the experiment reliable (due to the low signal-to-noise ratio)?
2. What was the number of people tested in the 1st and the 2nd experiment?

Thank
you!

