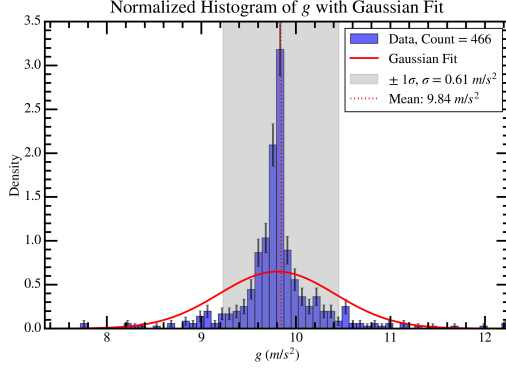


Response to Homework 2

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The following graph presents the aggregate data of gravitational acceleration g . The data is collected from all the students across the years. The result is $g = (9.84 \pm 0.61) \text{ m/s}^2$. The error is the standard deviation of the data. The result is consistent with the known value of 9.80 m/s^2 .



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FIG. 1. Histogram of the gravitational acceleration g measured by students. The result is $g = (9.84 \pm 0.61) \text{ m/s}^2$. The error bar is the poisson error; the aggregate uncertainty is the standard deviation of the data.

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