Abstract

The study of radiation is incredibly important when looking at public health. Some radiation can damage cells in the human body, and lead to the development of cancers. However, not all radiation is harmful, and can be found all around us. In this study, we look at the distribution of radiation found in a room in Live Oak hall at California State University Northridge. We found that the radiation distribution follows a Gaussian distribution. When a chi-squared test was performed to determine the goodness of fit, we obtained a reduced chi-squared value of 1.0, and accept the fit at the 37% level.

Experiment	Theory	Partial Chi Squared
4	6.9	1.2
62	56.5	0.5
110	113.7	0.1
56	57	0
8	7	0.1