

A box plot showing the distribution of 'cost' for three different values of α : 0.1, 0.01, and 0.001. The x-axis is labeled 'cost' and has major ticks at 4, 8, and 16. The y-axis is labeled with the values of α . The plot shows that as α decreases, the median cost increases and the variability (interquartile range and whiskers) also increases. The $\alpha = 0.1$ group has a median cost of approximately 4. The $\alpha = 0.01$ group has a median cost of approximately 8. The $\alpha = 0.001$ group has a median cost of approximately 12. There are several outliers for the $\alpha = 0.001$ group, with costs ranging from approximately 14 to 18.

