

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 box for $\alpha = 0.1$ is centered around a cost of 4, while the boxes for $\alpha = 0.01$ and $\alpha = 0.001$ are centered around costs of approximately 8 and 12, respectively. Outliers are present for $\alpha = 0.01$ and $\alpha = 0.001$.

α	Min (whisker)	Q1	Median	Q3	Max (whisker)	Outliers
0.1	~3.5	~3.8	~4.0	~4.2	~4.5	None
0.01	~6.5	~7.5	~8.0	~9.0	~11.5	~12.5, ~13.5
0.001	~10.5	~11.5	~12.0	~13.0	~15.5	~16.5

