

A box plot showing the distribution of 'cost' for three different values of  $\alpha$ : 0.1, 0.05, and 0.01. The x-axis is labeled 'cost' and has major ticks at 4, 8, and 16. The y-axis represents the different  $\alpha$  values. The box for  $\alpha = 0.1$  is orange, while the boxes for  $\alpha = 0.05$  and  $\alpha = 0.01$  are blue. The plot shows that as  $\alpha$  decreases, the median cost increases and the variability (range and interquartile range) also increases. The  $\alpha = 0.01$  group has several outliers at higher cost values.

$\alpha$	Min (whisker)	Q1	Median	Q3	Max (whisker)	Outliers
0.1	~3.5	~3.5	~3.5	~3.5	~3.5	None
0.05	~3.5	~6.5	~7.5	~9.5	~10.5	None
0.01	~3.5	~10.5	~12.5	~14.5	~16.5	~17.5, ~18.5, ~19.5, ~20.5

