

Box plot showing the distribution of scores for six methods: ACAD, WMET, WAMS, PSOA, OMET, and PARM. The y-axis represents scores from 0 to 100. Each box plot shows the median (thick horizontal line), the interquartile range (box), and the range (whiskers). Outliers are marked with circles. Asterisks (*) indicate significant differences from the ACAD method.

Method	Median	Q1	Q3	Min	Max	Outliers	Significant
ACAD	~35	~25	~45	~10	~75	None	Reference
WMET	~30	~20	~55	~5	~95	None	*
WAMS	~35	~25	~55	~10	~95	None	*
PSOA	~35	~25	~50	~10	~90	~85	*
OMET	~45	~30	~55	~5	~95	~15, ~25	*
PARM	~50	~30	~60	~5	~90	~95, ~100	*

Figure 1 is a box plot showing the distribution of the number of iterations for six algorithms: ACAD, WMET, WAMS, PSOA, OMET, and PARM. The y-axis represents the number of iterations, ranging from 0.0 to 0.5. Each algorithm has a box plot with a thick horizontal line indicating the median, a box representing the interquartile range, and whiskers extending to the minimum and maximum values. Additionally, there are symbols (asterisks, crosses, and plus signs) placed near the box plots, likely indicating specific statistical markers or outliers.

Algorithm	Median (approx.)	Q1 (approx.)	Q3 (approx.)	Min (approx.)	Max (approx.)	Other Symbols
ACAD	0.49	0.48	0.50	0.47	0.51	Asterisk at 0.36, Cross at 0.23
WMET	0.48	0.47	0.49	0.46	0.50	Asterisk at 0.35, Cross at 0.26, Plus at 0.19
WAMS	0.48	0.47	0.49	0.46	0.50	Asterisk at 0.35, Cross at 0.26, Plus at 0.17
PSOA	0.37	0.36	0.38	0.35	0.39	Asterisk at 0.24, Cross at 0.16
OMET	0.44	0.43	0.45	0.42	0.46	Asterisk at 0.36, Cross at 0.26, Plus at 0.21
PARM	0.39	0.38	0.40	0.37	0.41	Asterisk at 0.36, Cross at 0.23

Method	X (Proportion)	+	*
ACAD	0.18	0.00	0.04
WMET	0.24	0.15	0.03
WAMS	0.24	0.15	0.03
PSOA	0.18	0.00	0.01
OMET	0.22	0.13	0.01
PARM	0.15	0.00	0.01