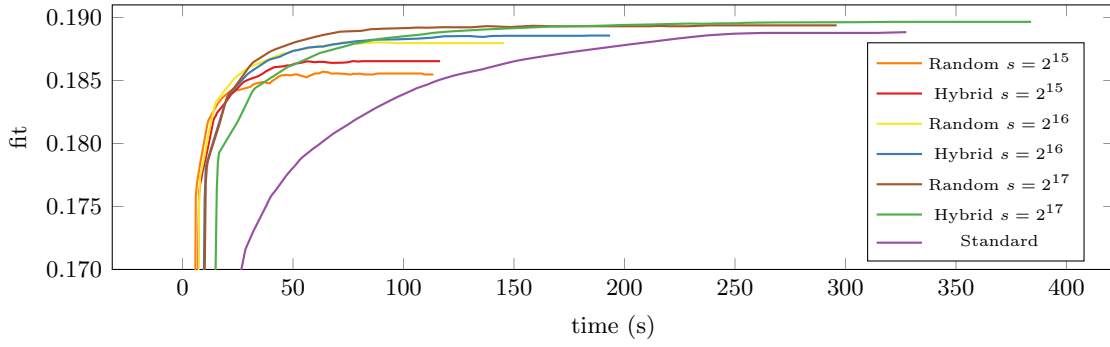


(a) Box plot of final fit and total time over 10 runs.



(b) Median fit (computed exactly) across 10 runs plotted for all methods.

Figure 0.1: Comparison of CP-ARLS-LEV (random and hybrid) with varying number of samples $s \in \{2^{16}, 2^{17}, 2^{18}\}$ and CP-ALS (standard) to compute a rank $r = 25$ CP decomposition of the Uber tensor with 3.3 million nonzeros. Random uses $\tau = 1$ and hybrid uses $\tau = 1/s$. Each experiment is run 10 times.