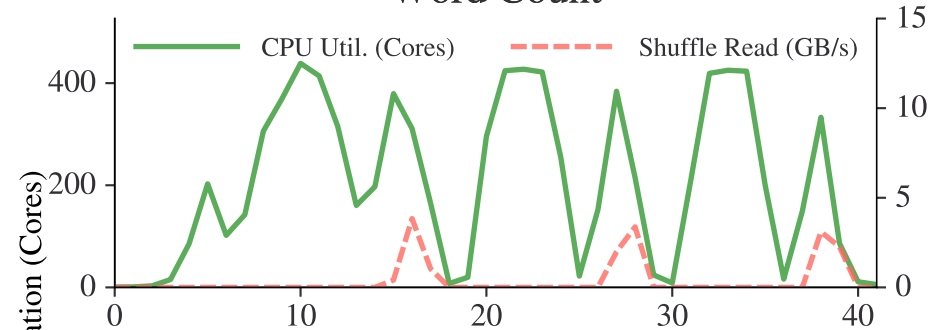
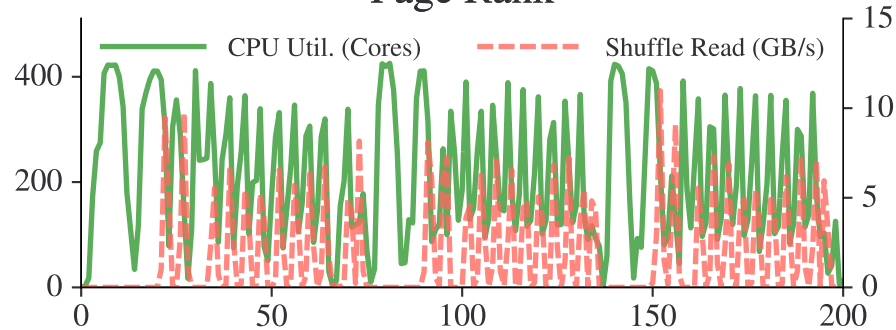


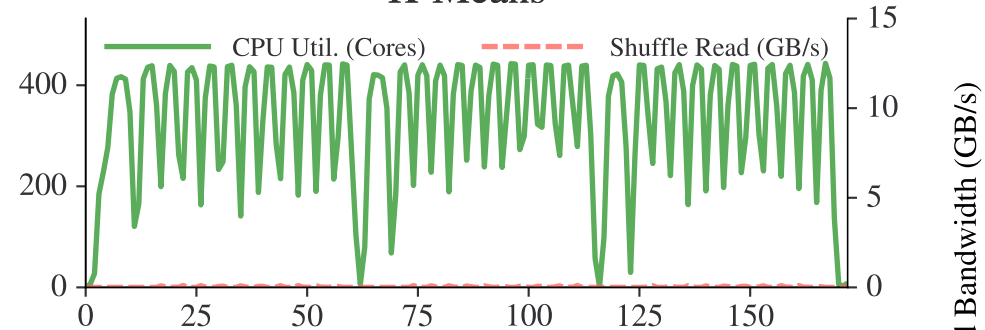
Word Count



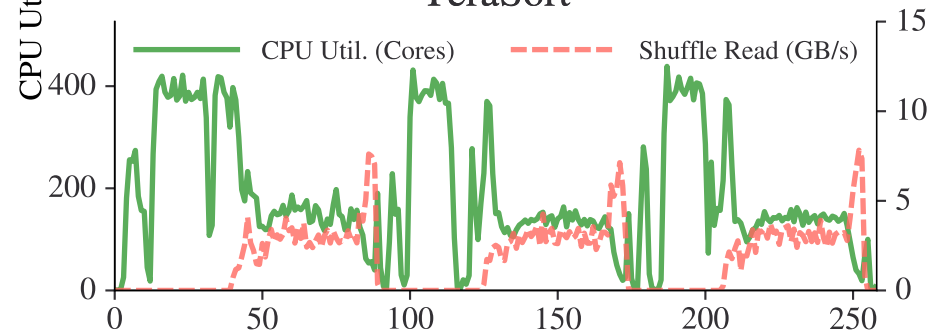
Page Rank



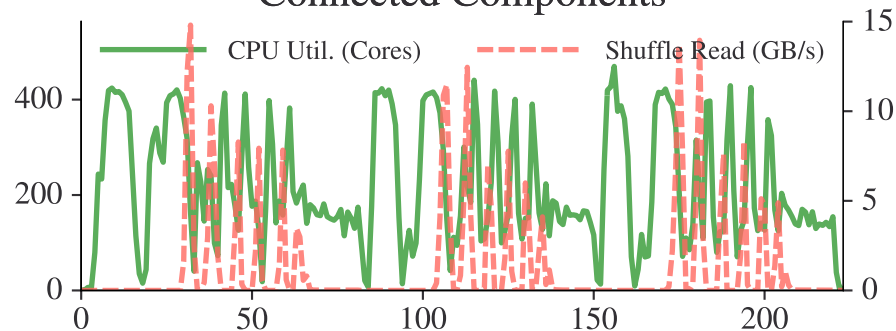
K-Means



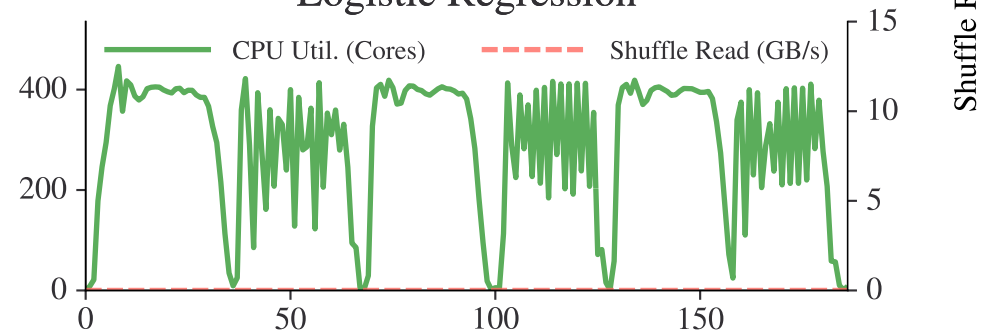
TeraSort



Connected Components



Logistic Regression



Timestamp (sec)

Shuffle Read Bandwidth (GB/s)