

Indian Institute of Technology Kanpur



CS633

PARALLEL COMPUTING

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## Bonus Assignment

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Author:

Group 36

Kalika(210482)

[kalika21@iitk.ac.in]

Monil Lodha(210630)

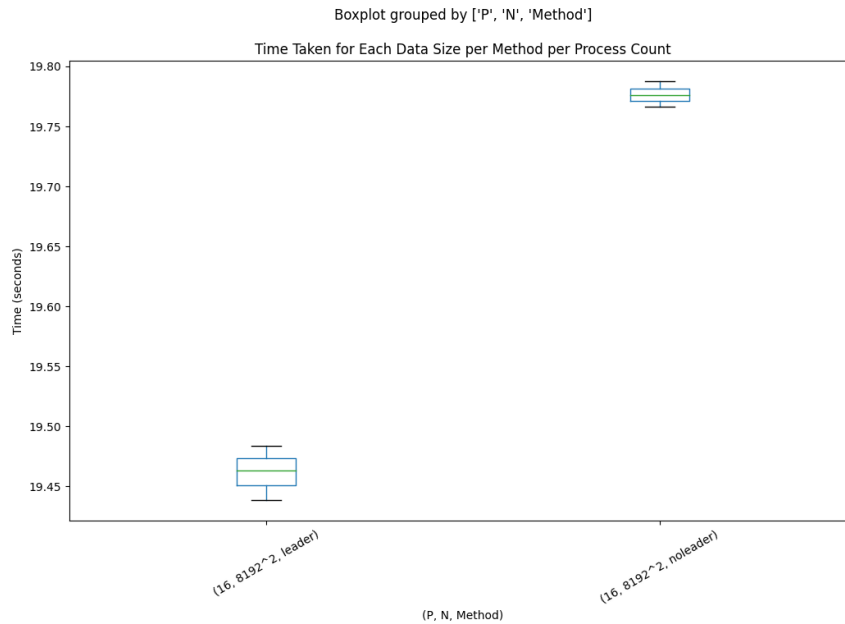
[monill21@iitk.ac.in]

Akshat Rajani(210812)

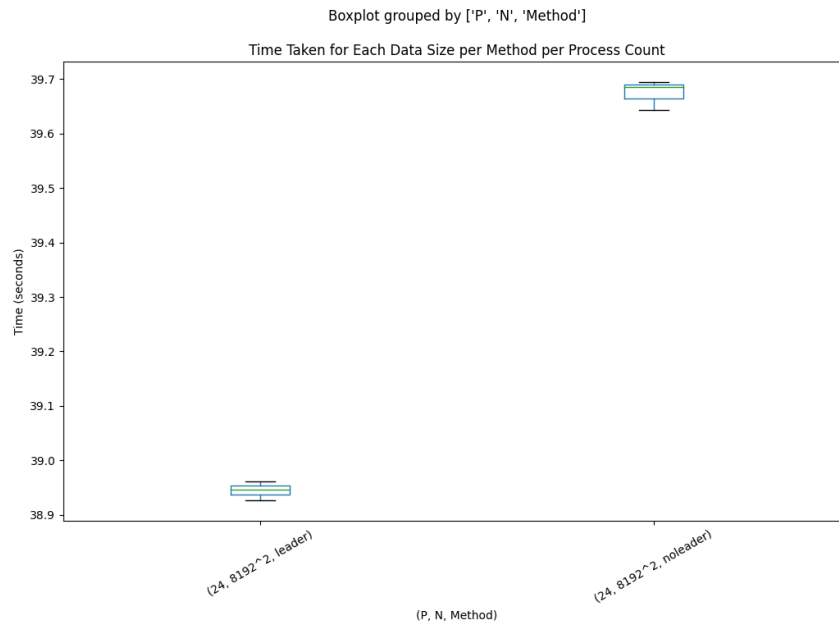
[rajanias21@iitk.ac.in]

April 16, 2024

# 1 PLOT ANALYSIS



(a)  $P = 16$



(b)  $P = 24$

Figure 1: Time vs P,N,Method

Observations from the plots:

We can see that the time taken by the process is more without leader and less with leader. Also, as we increase the Processes from 16 to 24, the time taken by the process increases. This is because the number of processes are more and the communication overhead is more.