Report

1. Graphs on different datasets

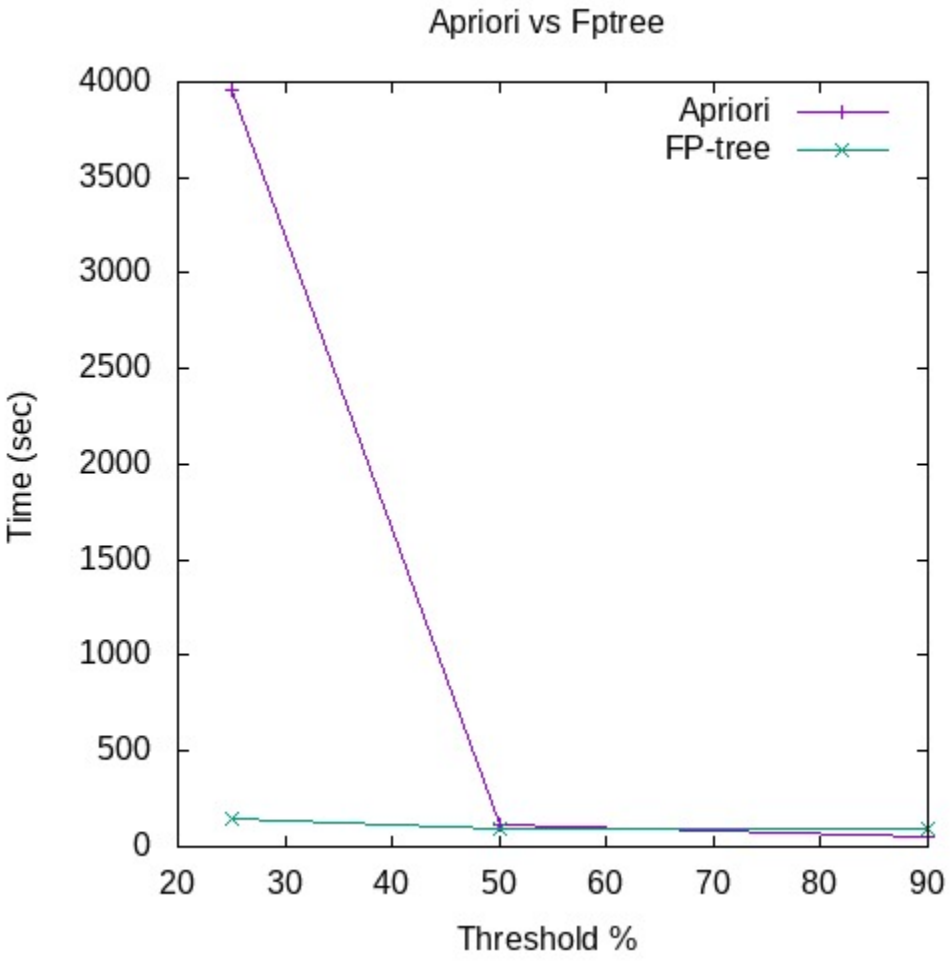

Figure 1. Apriori v/s Fptree on webdocs.dat

2. Obersvations and conclusion

Threshold(%)	Time Apriori(s)	Time Fptree(s)	Difference(s)
5	-	-	
10	-	-	
25	3958.685	144.29	3814.395
50	119.593	94.159	25.434
90	47.757	92.494	-44.737

Conclusion:

- **In the beginning for the 90% support threshold the construction of fptree has taken a significant amount of time in fptree algo. Hence apriori outperforms Fptree.**

- **As we lower the support threshold fptree starts to grow very slow with the time in comparision with the apriori.**

- **As in Apriori all the transaction loads at every candidate generation. Which consumes a significant amount of time due to disk access. In contrast with the fptree all the tree is in the main memory through which time grows significantly lower.**