

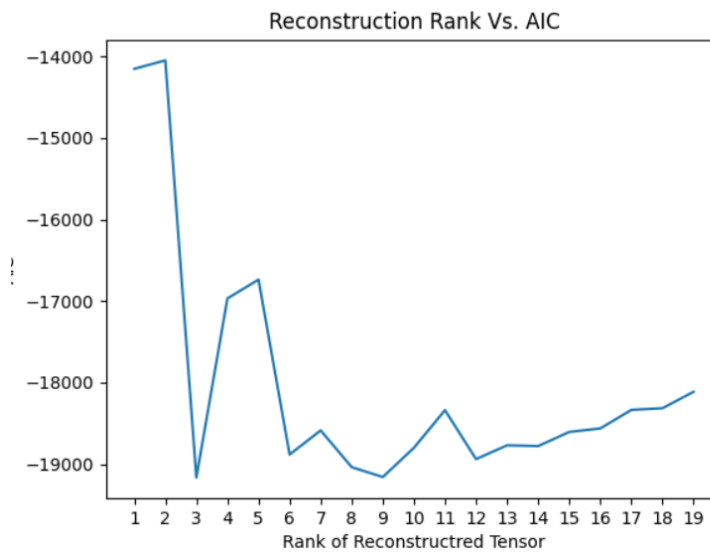
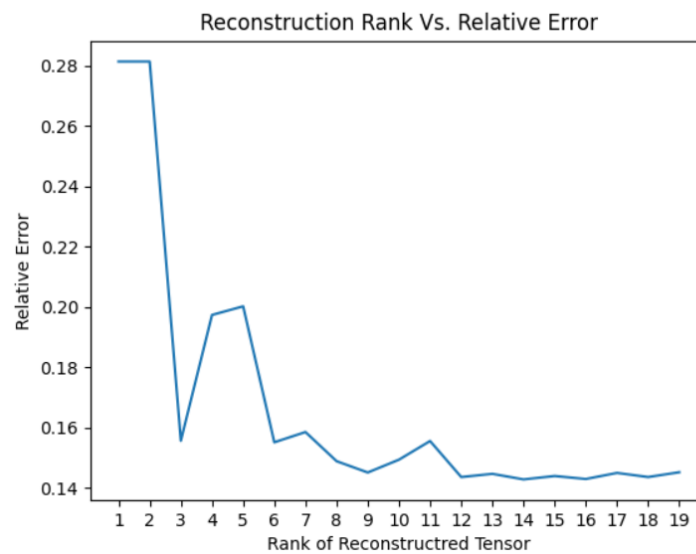
Topics High Dimensional Data Analytics

Mid-term Exam

Question 3

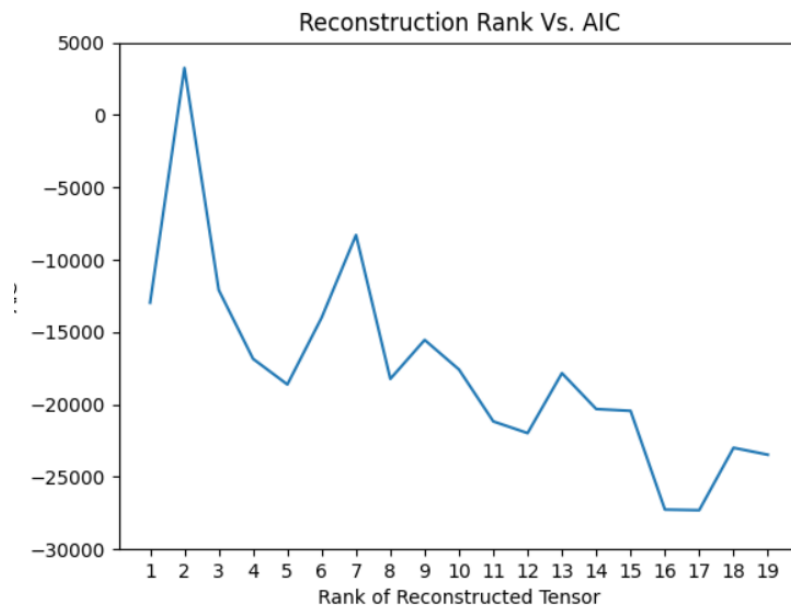
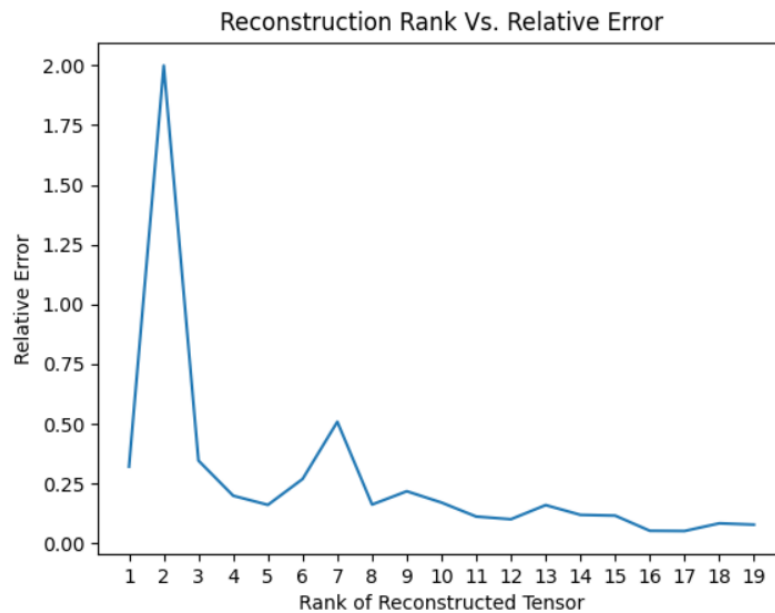
Ian Dover

Part 1.



The optimum rank using CP decomposition would be 7 to get a get trade-off between size and data quality.

Part 2.



The optimum rank using CUR decomposition would be 5 to get a get trade-off between size and data quality.