Analysis of Transactional SMS Data

● ● ●

Tahsin Masruf

Overview

❏ Data analysis plays a crucial role in business applications and offers numerous benefits that can help organizations make informed decisions, optimize operations, and achieve their goals.

❏ In this presentation, I'll explore the findings from my in-depth analysis of the dataset, unveiling actionable insights that can significantly boost both business and application performance.
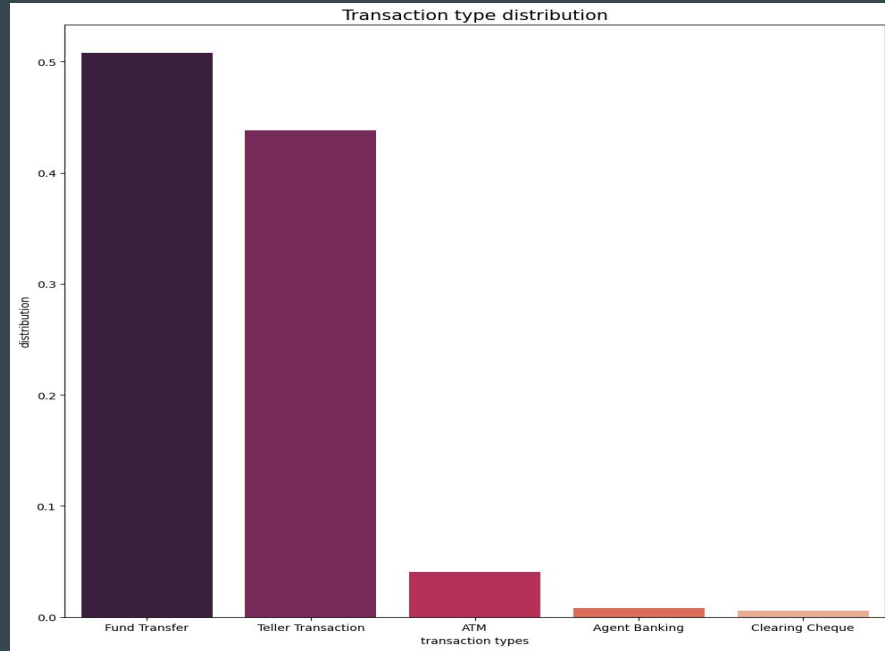
SMS Status Distribution

SMS Status distribution

SMS Status for each Massage Provider
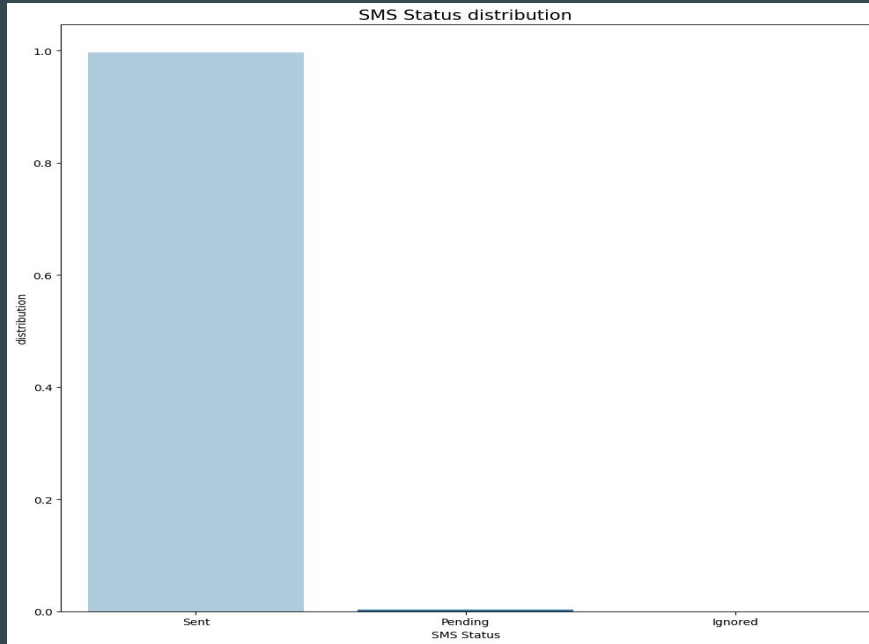
❖ Though Pending SMS rate is low but it should be check.
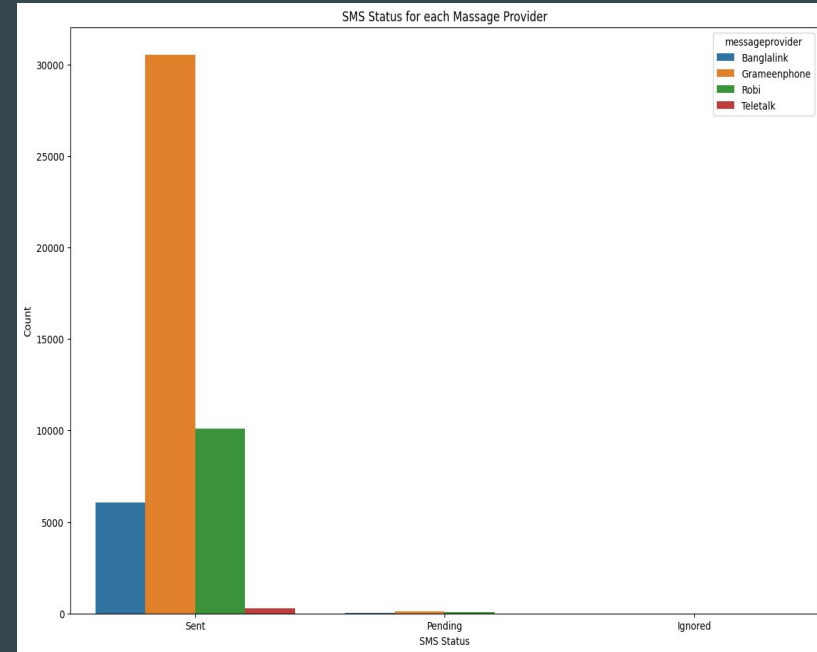
❖ Should check the application why these mobile operator's sms are pending.
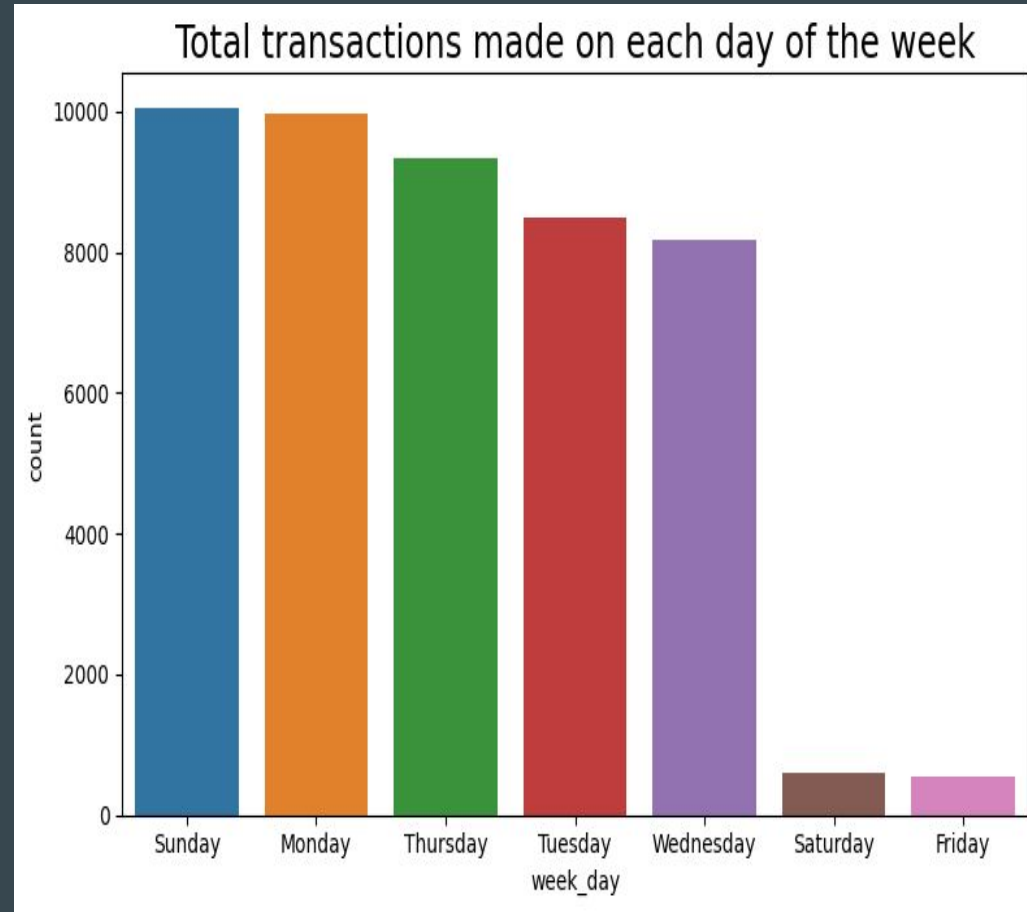
Transaction Type

Transaction type distribution

Count of Each Transaction Type for Each Message Status

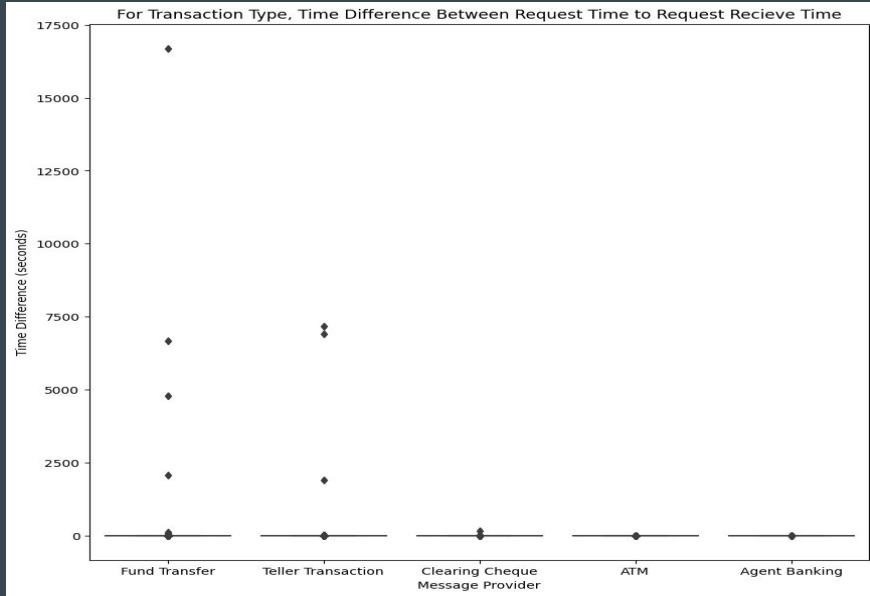❖ Client request for Fund and Teller Transaction SMS are more frequently occurred.
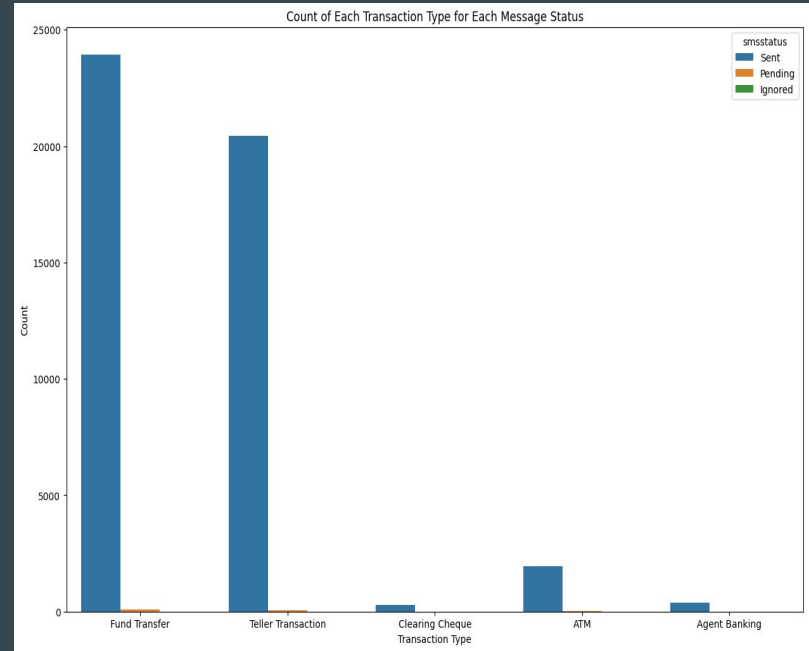
❖ We need to investigate on pending sms in the Fund and Teller transaction and make sure they are successfully sent to mobile operators.

# Transaction on Each day

❖ Transactions are heavily occured in these 5 days.

❖ The the application should work properly in these days and application maintenance can be done in friday and saturday.

Total transactions made on each day of the week

Application Performance on transaction

For Transaction Type, Time Difference Between Request Time to Request Recieve Time

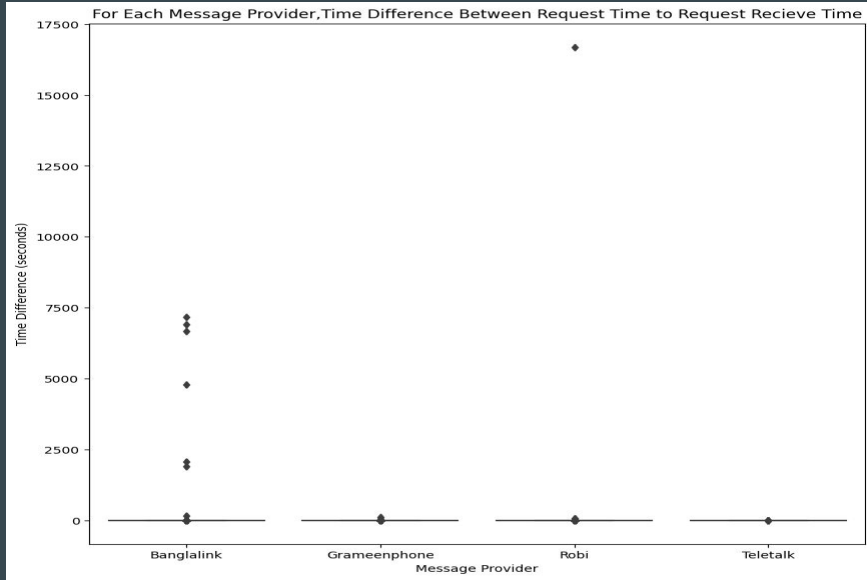For Transaction Type,Time Difference Between Request Recieve Time to Provider Response Time

❖ For fund and Taller transaction, sometimes it takes much time to receive the provider request. Application performance needs to improve in these scenario.
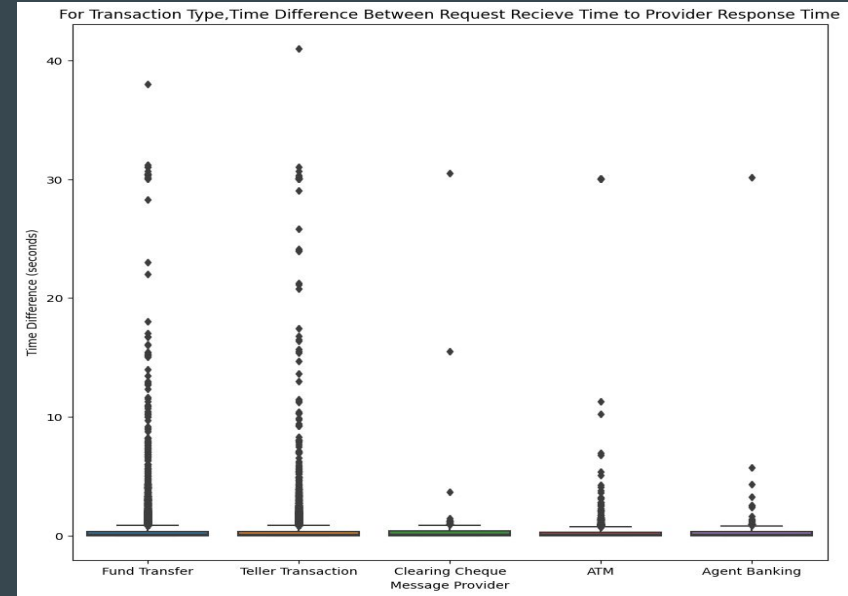
❖ Similar things found in request receive time to response time. Application needs to improve its performance responding client request.

Application Performance on Mobile Operators

For Each Message Provider,Time Difference Between Request Time to Request Recieve Time

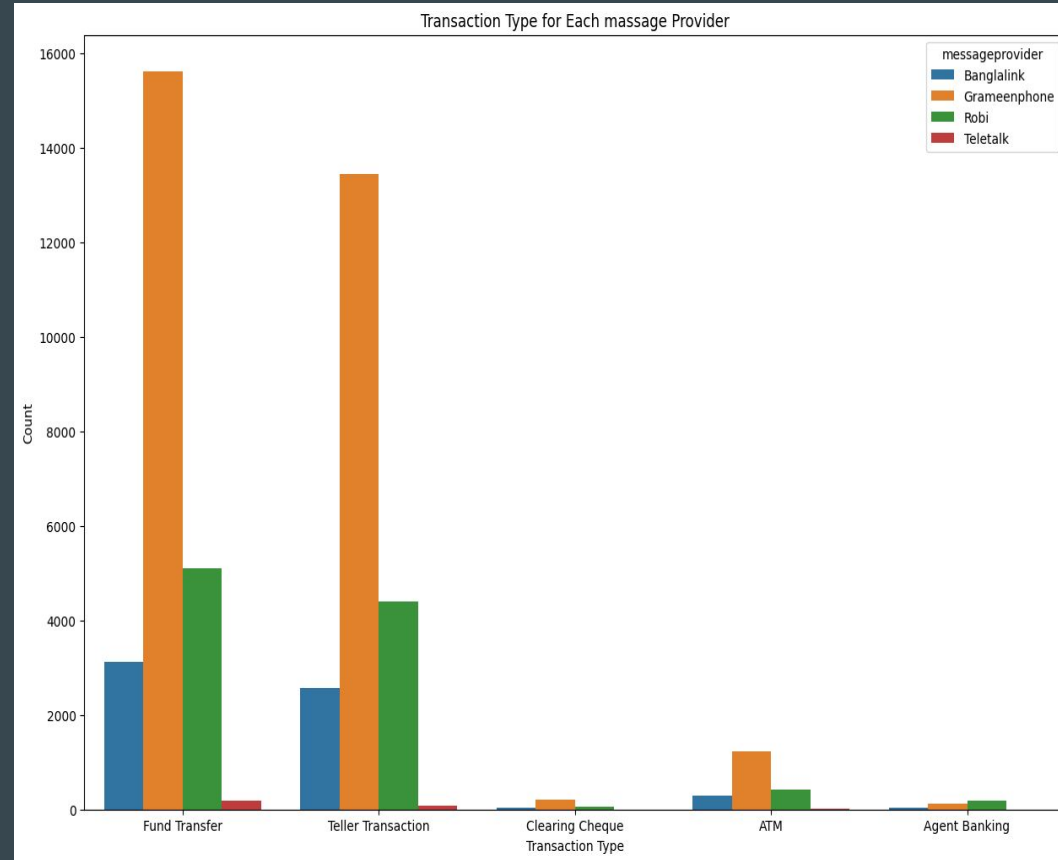For Each Message Provider,Time Difference Between Request Recieve Time to Provider Response Time

❖ Clients request for Banglalink and Robi takes much time to receive in some cases. Need to find out the issue behind it.
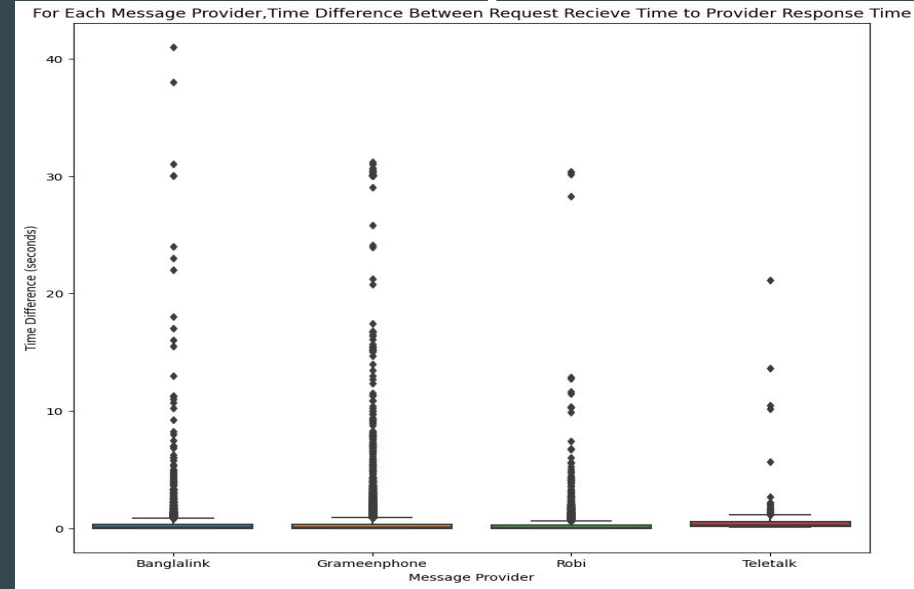
❖ Application takes more time to response for every mobile operator. This indicates application have performance issue. This issue needs to fix soon as possible.

Transaction Type on Mobile Operators

❖ Grameenphone and Robi are top mobile operator for each type of transaction.

❖ Other mobile operator users should increase for business growing.

Transaction Type for Each massage Provider

Thank You