Call Centre Trend Analysis with Power Bl

Final year 2023 Data Analysis Report

Prepared by

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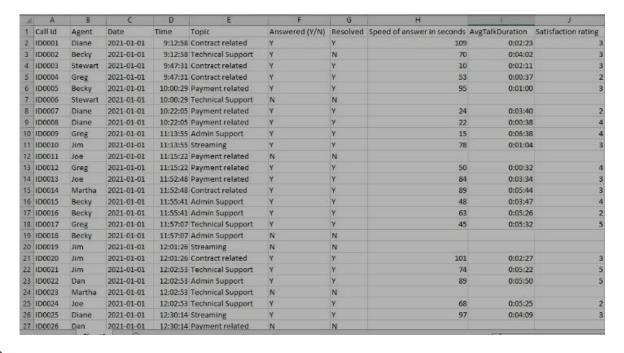
Introduction

For firms to always thrive, it's critical to do analysis of it's business performance over a period of time. What such analysis does is to basically help finding out issues if there's any, help understand trends/performances and put up strategies to address such issues to help such firm to reach it's goal.

This analysis was done to find trends and insights using some visuals and understand the performance of this particular "Call Centre" for the first quarter of the year using some key performance indicators (KPI's).

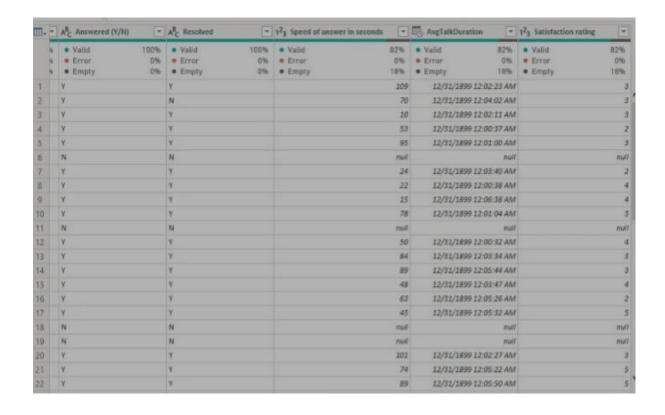
Data Preparation

We had a glance of the dataset using excel and we are able to find out that the data consists of 10 columns and 5001 rows with the column names as Call Id, Agent, Date, Time, Topic, Answered (Y/N), Resolved, Speed of answer in seconds, AvgTalkDuration and Satisfaction rating.



After taking a glance at the dataset, we moved to Power BI and connected to the dataset then did some cleaning and processing in the power query editor such as:

• Replacing the null values in some columns with o. Replacing null with o isn't the only way to treat null values but we chose to replace with o because there were no trends in those columns to say we want to follow existing trends neither do we have access to the stakeholders to give me an insights as to why those cells had null values hence, resolving to o. we couldn't replace the AvgTalkDuration with o because it can't take any value that isn't in the time format.



2. Changed the N and Y in Answered (Y/N) and Resolved to Yes and No which people could easily relate with.



3. The "AvgTalkDuration" column name was changed to "Avg. Talk Duration" and initially, the column consisted of both time and date but we changed the data type to only time since it was talking about duration and it was on a particular day.



