

JINJA CITY REVENUE MOBILIZATION DATA ANALYSIS

Trading License Data for North and South Division

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PURPOSE

Data integrity checks and EDA

- ☐ Data Characteristics
 - ☐ Data Consistency
 - ☐ Data duplication
 - ☐ Missing Values
 - ☐ Data anomalies
- ☐ Data discrepancies
- ☐ Human errors etc.

Analysis

- ☐ Visualising the performance trends of trading license in revenue mobilisation

DATA INTEGRITY CHECKS AND EDA NORTHERN DIVISION

Assessments list 4051 records

- **Customer:** 17 missing values, 116 Names have typing errors eg ! , : *
- **Branch Name/ Code:** has 24 missing values
- **Created by:** 24 missing values, how did they enter into the system
- **Updated by:** 4045 missing values, have never been updated.
- **Duplicates:** 451 same customer name, same Branch Name / code or business name.
- **No contact details**
- **No Entry / creation date**

Payment list 2687 records FY 23/24

- **Customer Name:** 231 missing values (No Names but have paid)
- **Collecting Agent:** 577 missing values,
- **Date paid:** 577 missing values but with payment registration date
- **Amount:** 11 records have less than 10k ugx with least 740ugx
- **904 Paid but not in the register/ not assessed**

DATA INTEGRITY CHECKS AND EDA SOUTHERN DIVISION

Payment list 1842 records

- **TIN:** 4 wrong tins, 1008 missing values
- **17 Paid but not in the register.** However all these have errors in the names

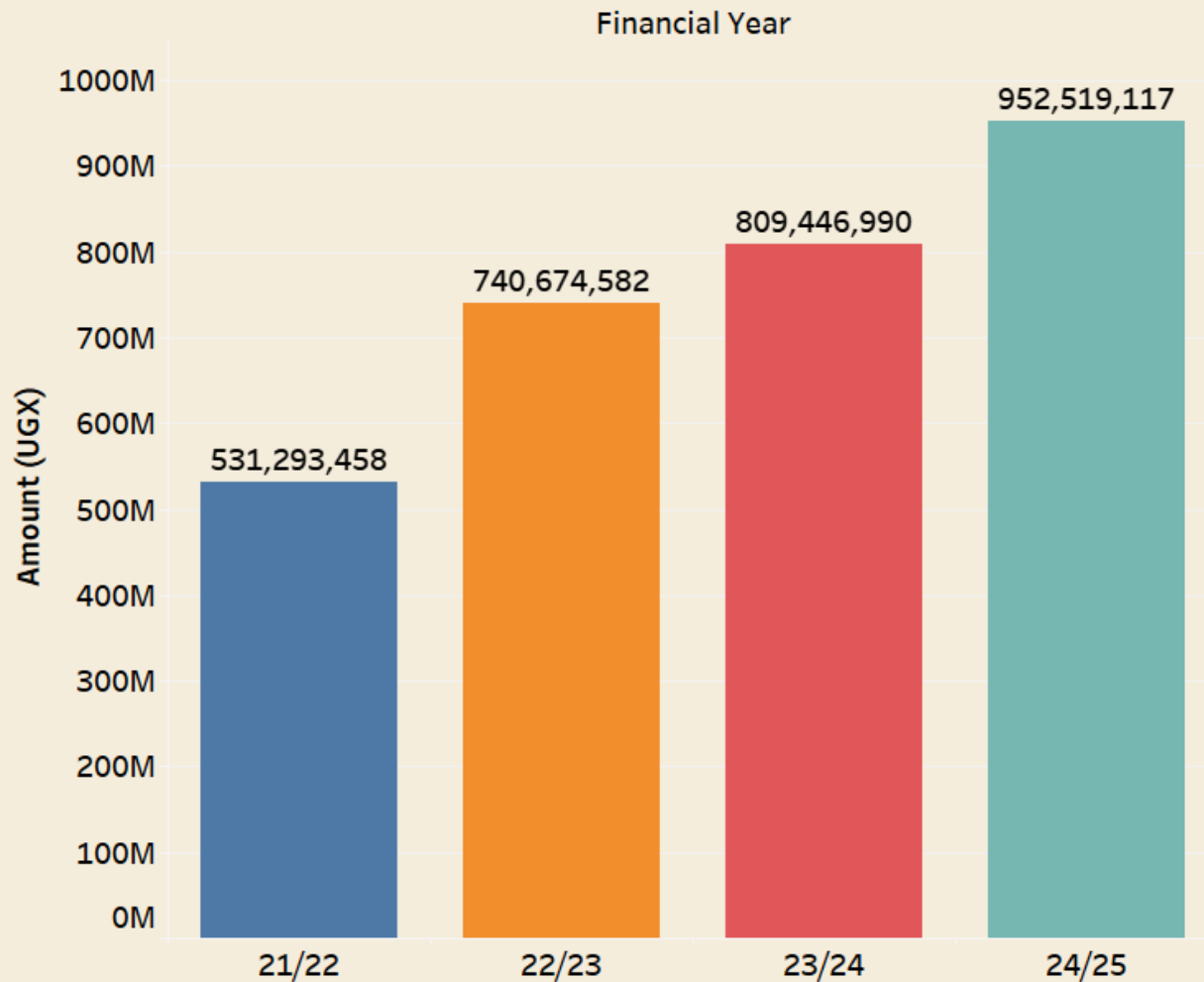
Assessments 8866 records (Lacks assessed amount)

- **Customer name:** 49 missing values, 50 typing errors eg @ ? , . !
- **Trading Licence Classification:** 66 have Business names or customer name instead of clear specific classification.
- **Phone numbers:** 16 wrong phone numbers, inconsistency: +256, 256, and 07
- **TIN:** 16 wrong or incomplete, 5523 missing values

ANALYSIS

Visualising the performance trends of trading license in
revenue mobilisation

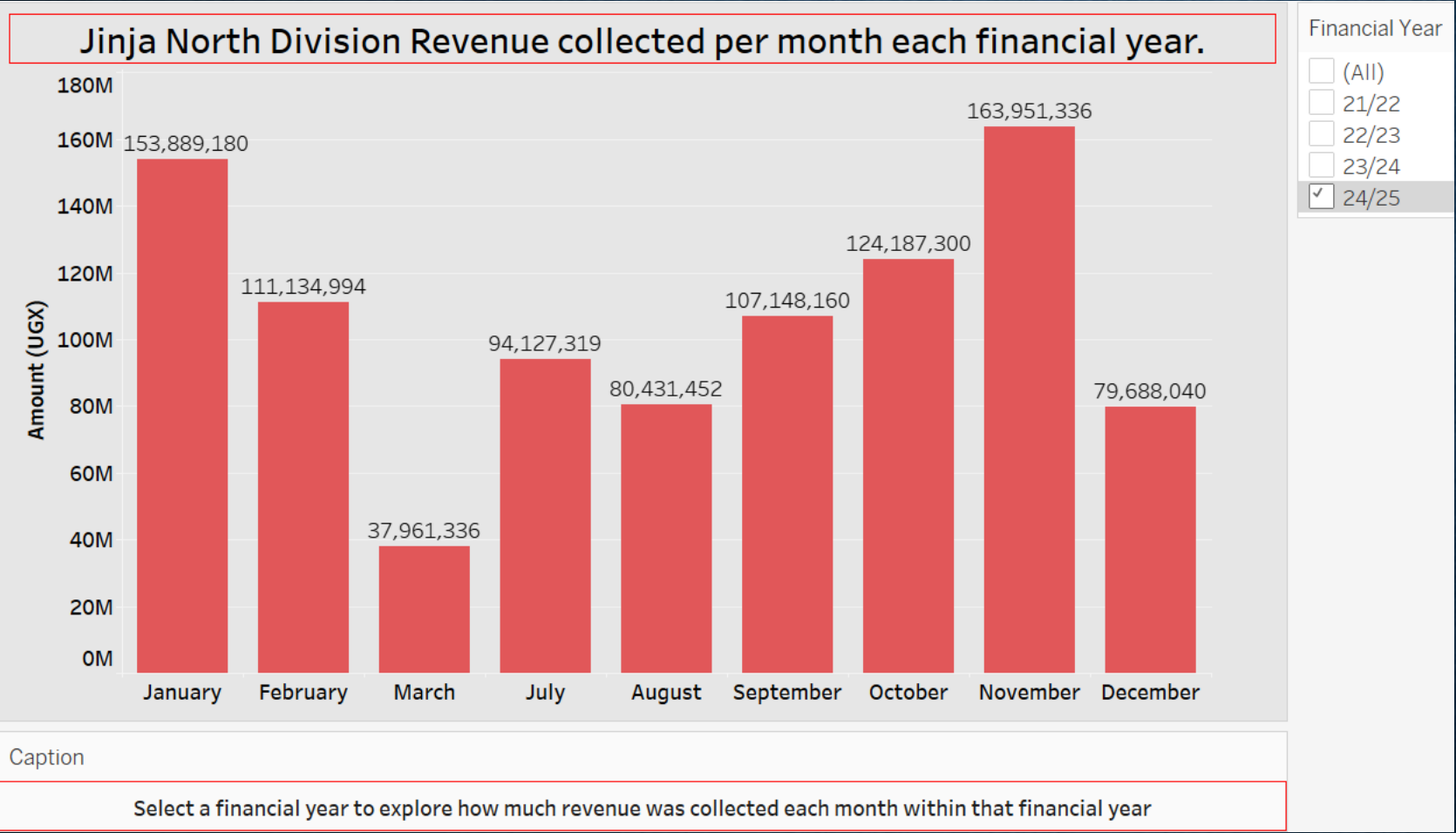
Jinja North Division: Amount of Revenue collected from Trading License per Financial Year.



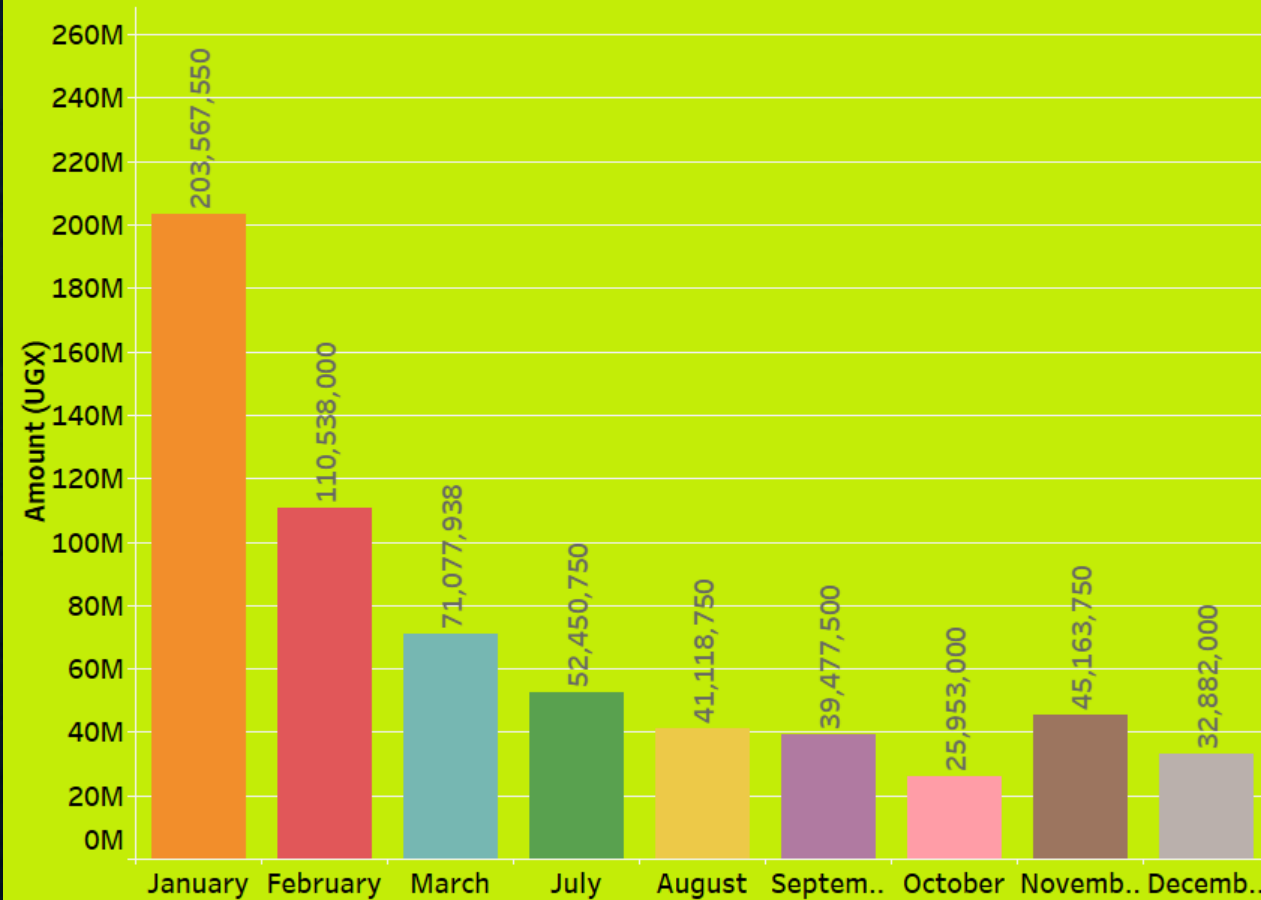
In Jinja city, trading licenses serve as a source of revenue for the city. Businesses operating within Jinja city's jurisdiction are required to obtain and renew these licenses annually, contributing to the city's revenue collection.

An analysis done on Jinja north division's trading license data revealed that there has been a steady increase in the amount revenue collected as of 19th March 2025 as seen in the chart on this page.

What should be done to maintain this positive trend?



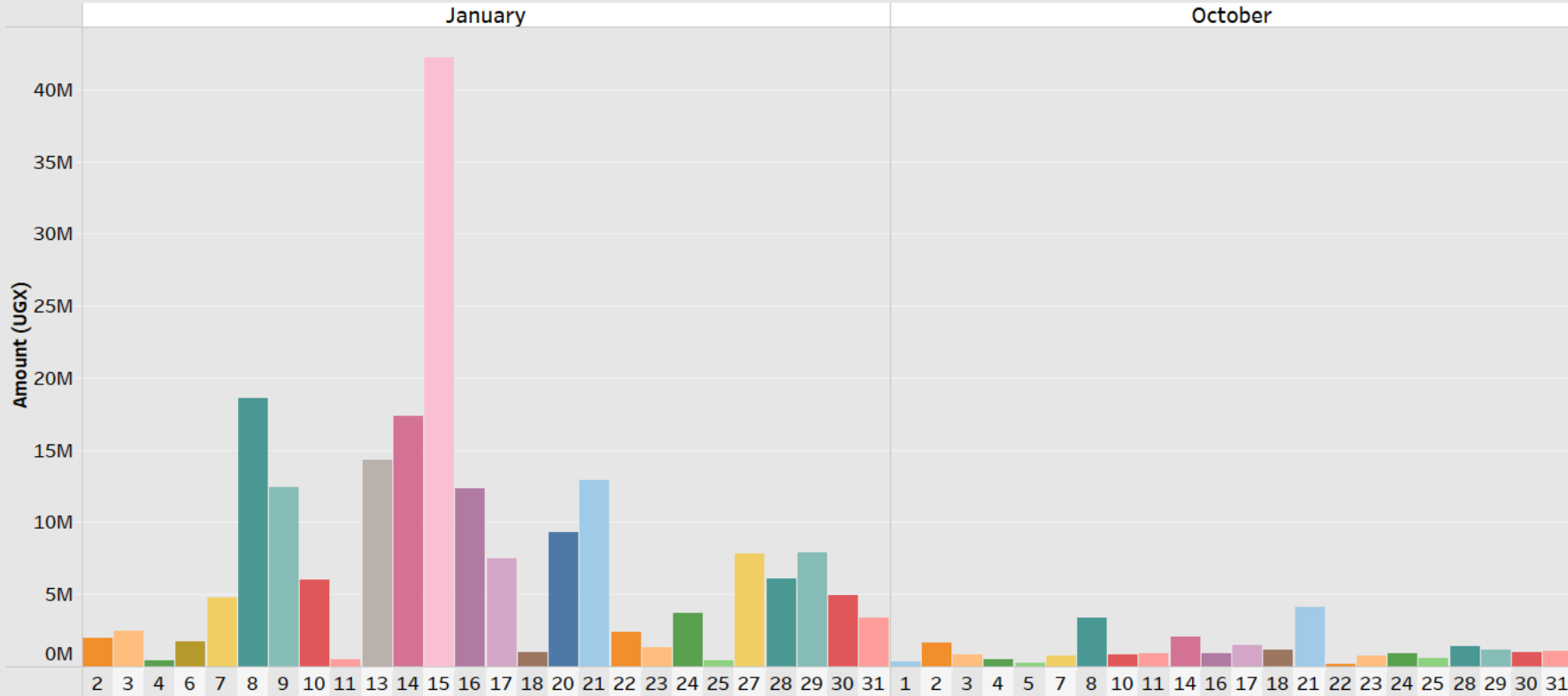
Jinja South Division Revenue Collections per month As of 19th March 2025, FY 24/25



The same analysis was done on the southern division's trading license data.

The data revealed that over 200 Millions were collected in January. However, less than 26 Millions were collected in the month of October.

Amount of Revenue collected each day of the Month in Jinja South Division.



Emphasis was put on the best and worst collections in January and October FY 24/25 to analyse the collections per day as seen in the chat on this page.

On 15th January 2025, over 40 Millions were collected. What kind of enforcement was it used on that day? The same should be maintained on all the days to achieve the best.

TECHNICAL RECOMMENDATIONS IN REGARDS TO DATA USE

1. Strengthen data validation at entry level through use of dropdown menus and real time feedback e.g. Data already exists
2. Establish ongoing training programs for personnel involved in data handling to reduce error rates.
3. Remove redundant records using predefined rules like latest timestamp.
4. Apply standardization rules through use of consistent formats for dates, Personal Names, phone numbers.
5. Centralise access to trading license data and the whole system at large. (eg. Give central access to the IT person)
6. Complete / full details data extraction to ease analysis(partial payments, balances, sign post)
7. Regular data updating
8. Need to Include coordinates(Latitude and longitude)
9. Digitalise the trading license assessment process.

END -----THANK YOU