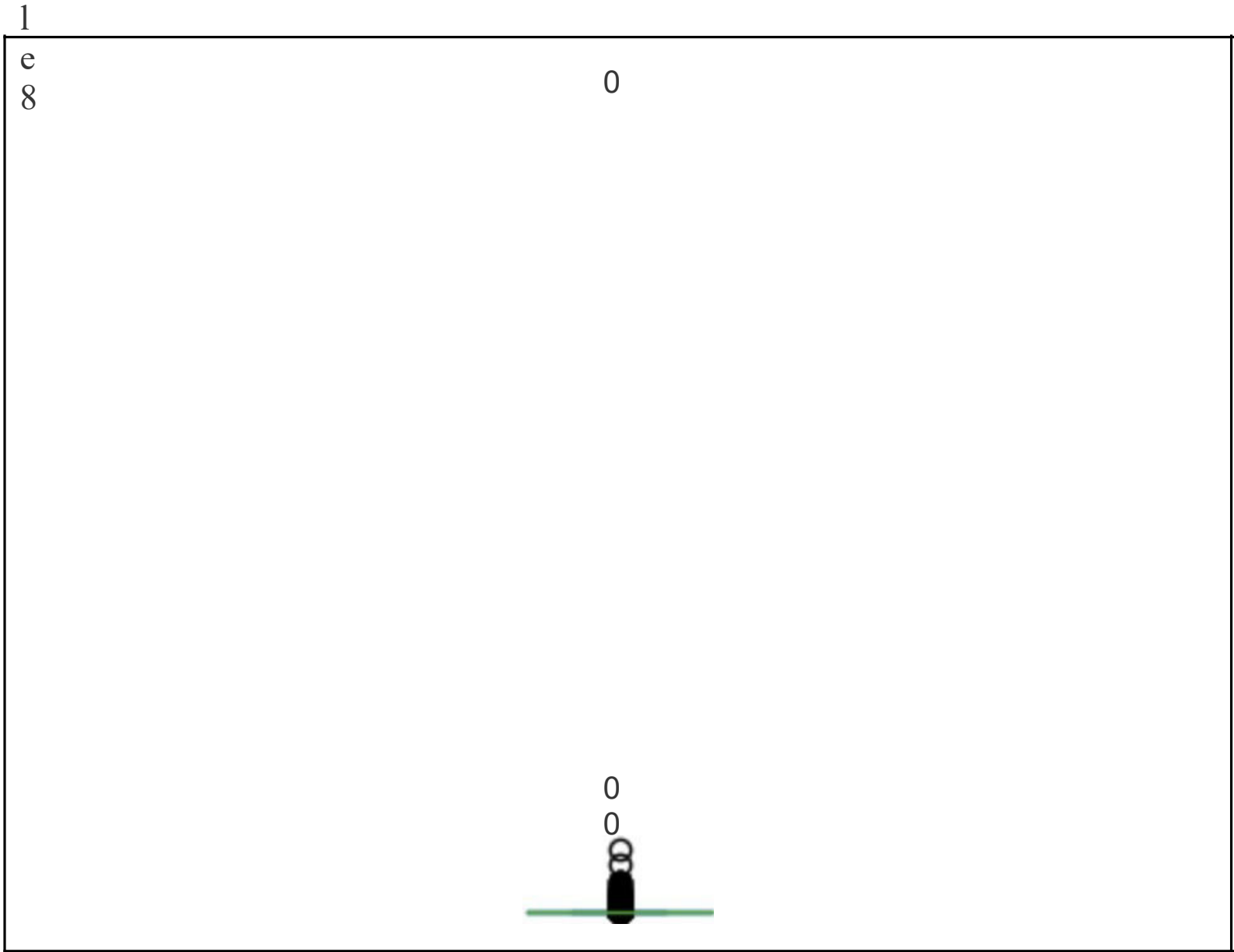
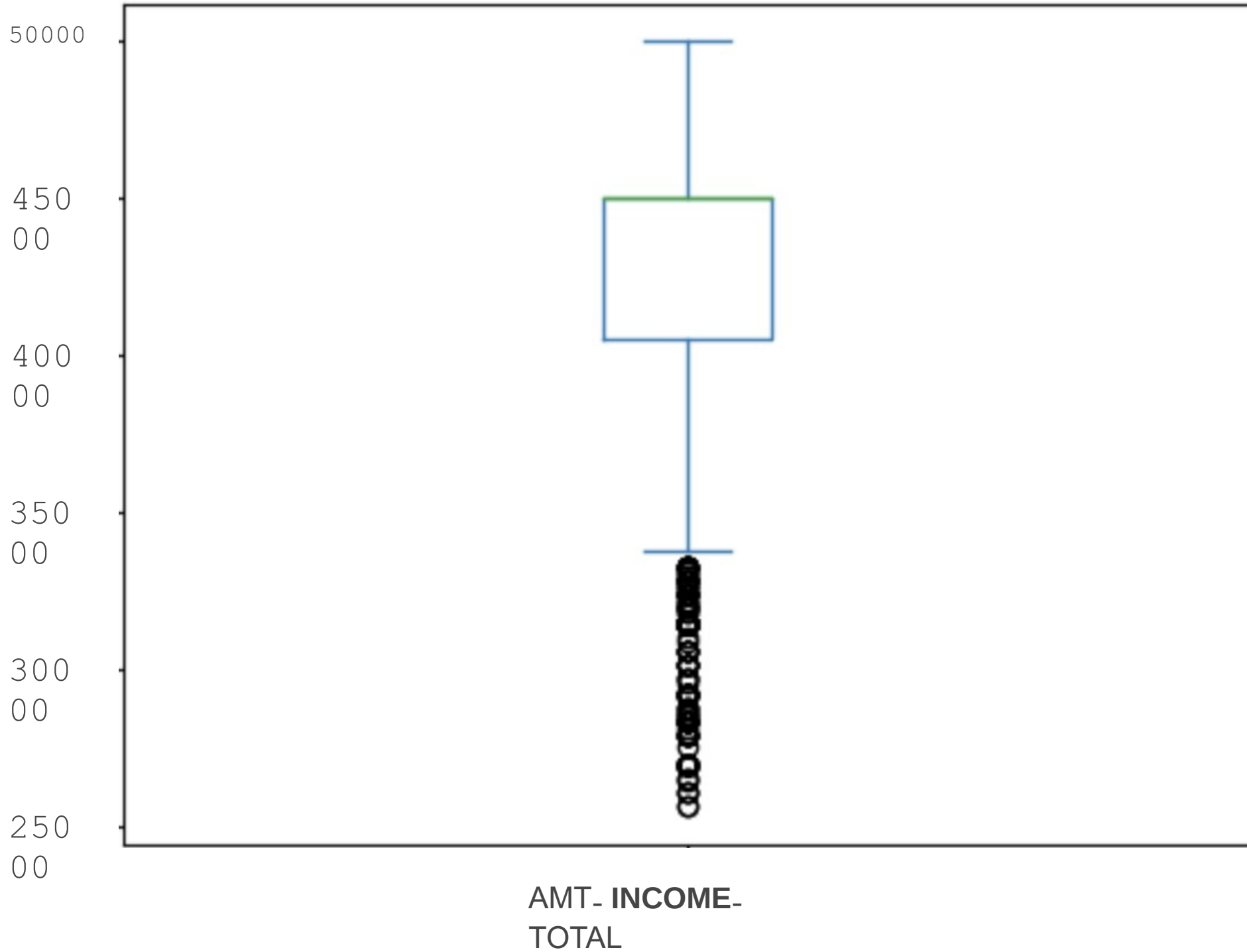


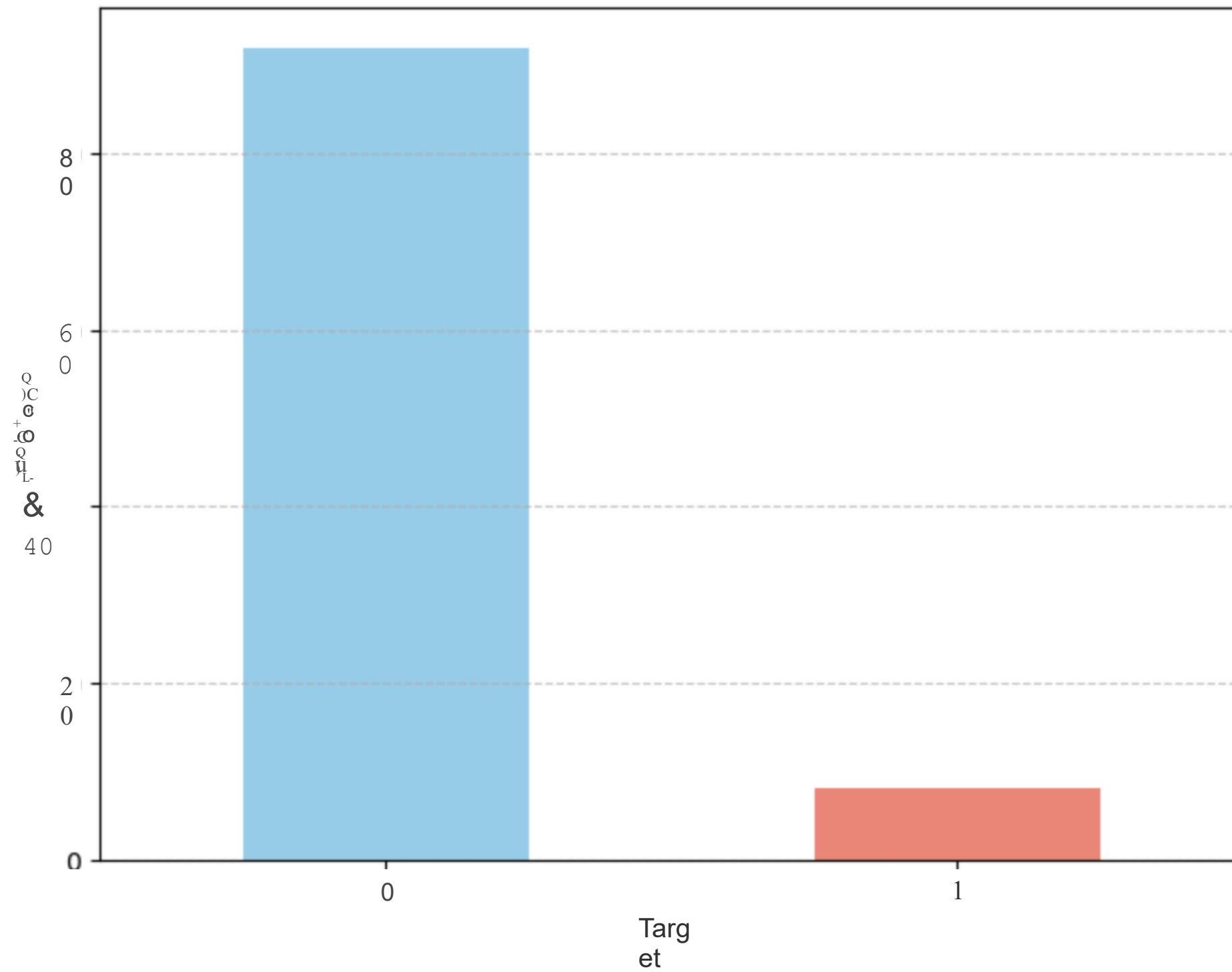
1
.
2
1
.
0
0
.
8
0
.
6
0
4
0
.
2
0
.
0

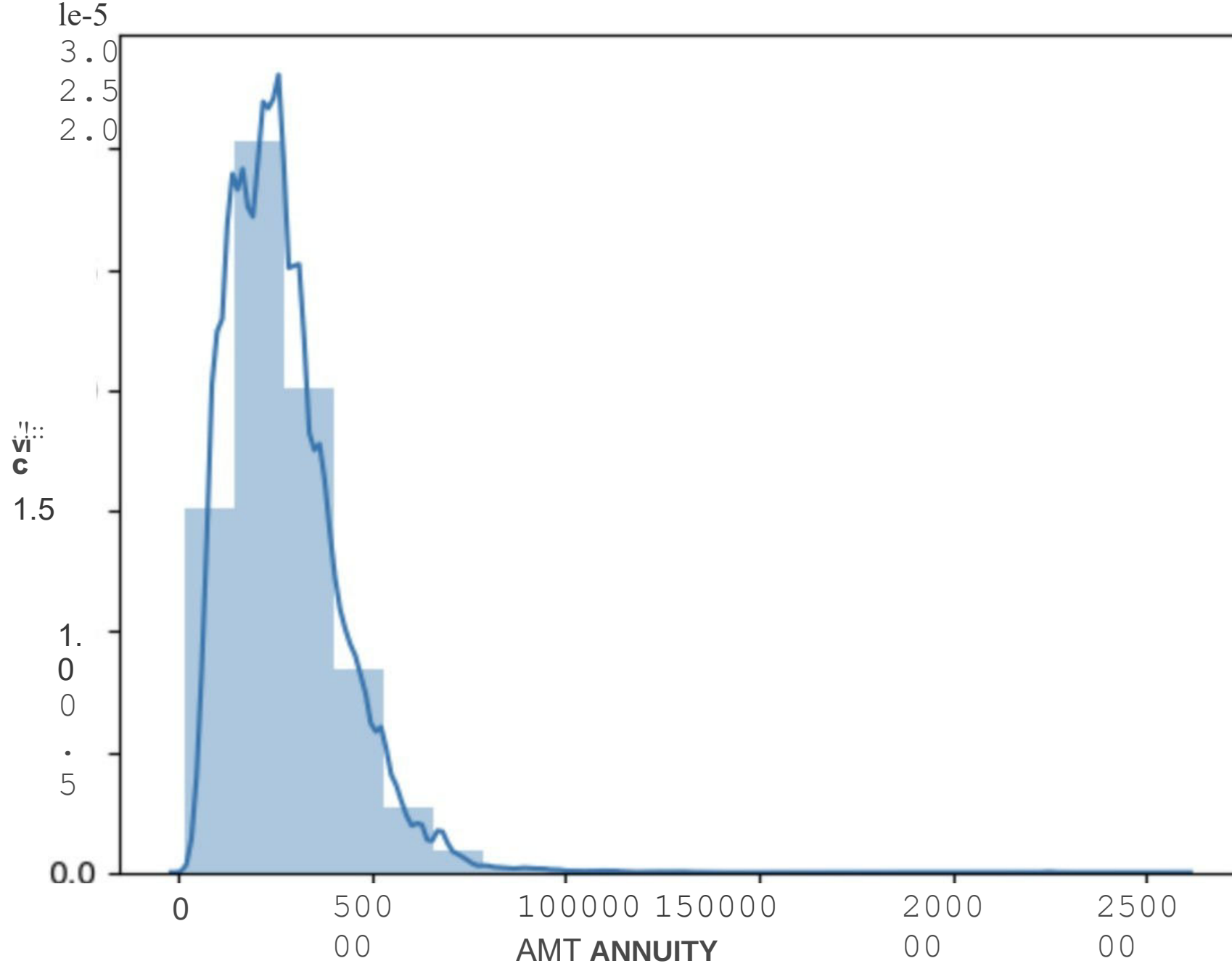


AMT INCOME TOTAL

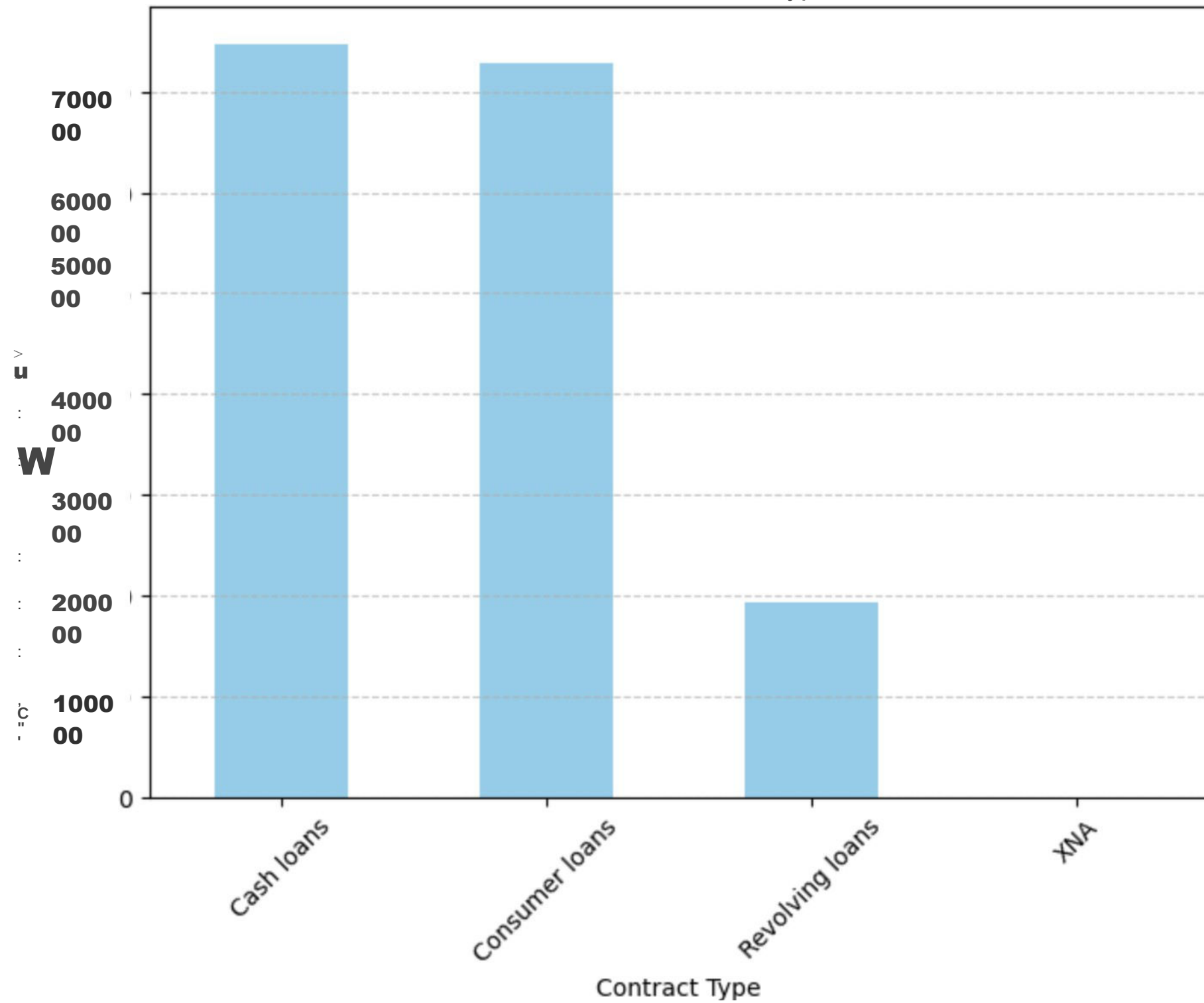


Distribution of Target Variable

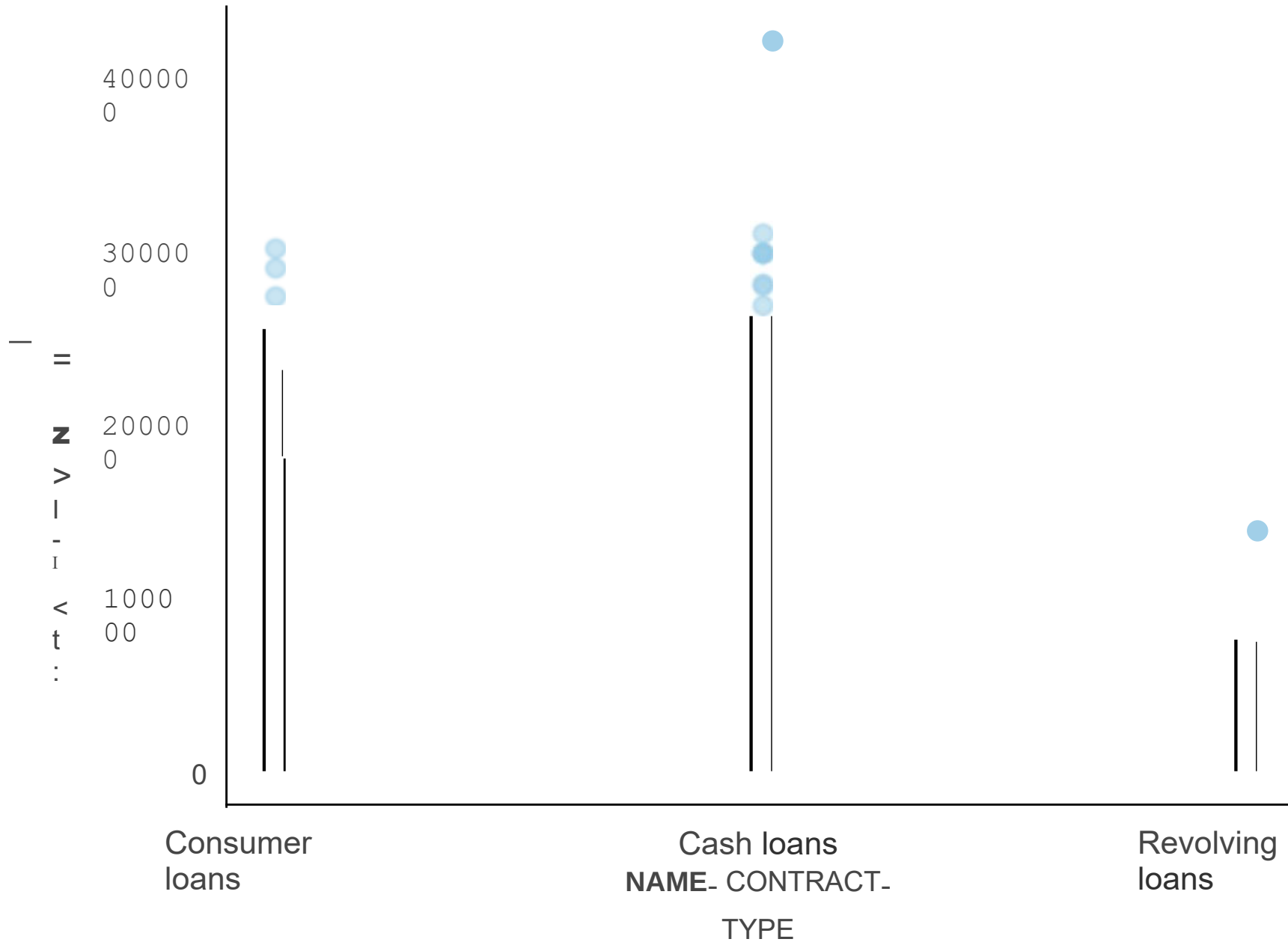




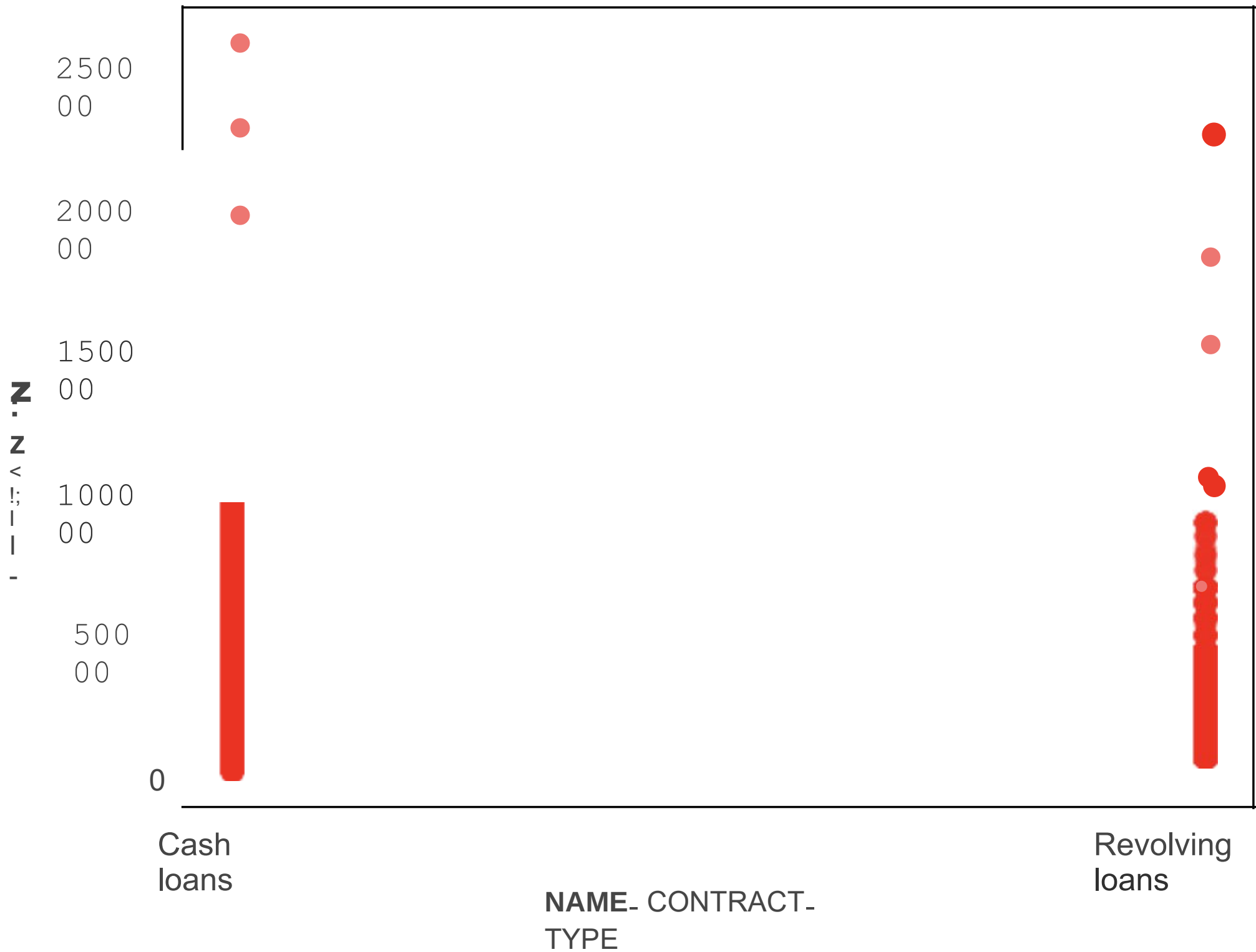
Distribution of Contract Types



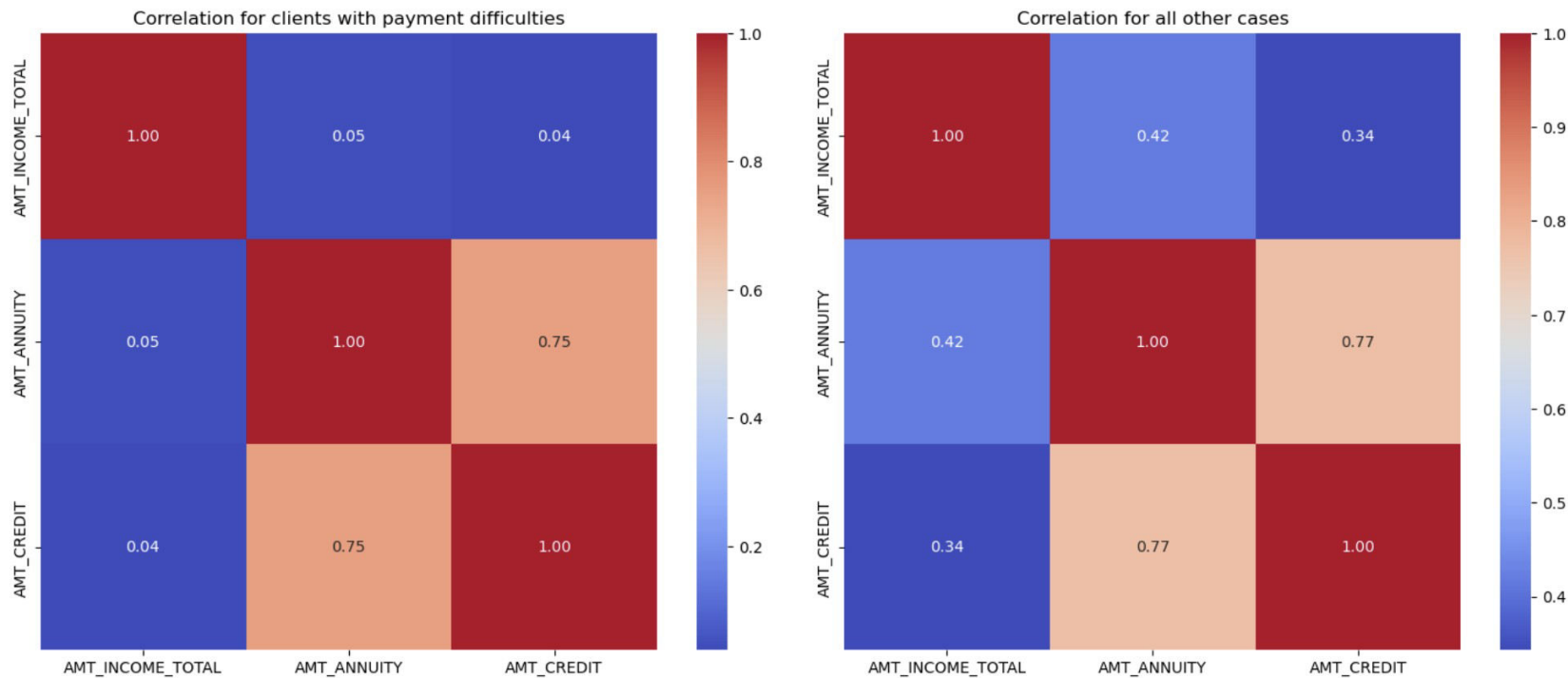
Correlation of Contract type and amount annuity of previous applications



Correlation of Contract type and amount annuity of recent applications



307511 rows x 4 columns



Summary of Correlations:

1. Clients with Payment Difficulties:

- AMT_INCOME_TOTAL and AMT_CREDIT show a strong positive correlation of **0.04**.
- AMT_CREDIT and AMT_ANNUIITY exhibit a moderate positive correlation of **0.75**.
- AMT_INCOME_TOTAL and AMT_ANNUIITY have a weak positive correlation of **0.05**.
- No significant negative correlations were observed.

2. All Other Cases:

- AMT_INCOME_TOTAL and AMT_CREDIT show a strong positive correlation of **0.34**.
- AMT_CREDIT and AMT_ANNUIITY exhibit a moderate positive correlation of **0.77**.
- AMT_INCOME_TOTAL and AMT_ANNUIITY have a weak positive correlation of **0.42**.
- No significant negative correlations were observed.

Overall, clients with payment difficulties show distinct patterns of correlation compared to **all** other cases.

AMT_INCOME_TOTAL and AMT_CREDIT appear to be closely related for clients with payment difficulties, while AMT_CREDIT and AMT_INCOME_TOTAL are strongly correlated in **all** other cases. These insights could inform targeted strategies for addressing payment difficulties and improving overall business performance.