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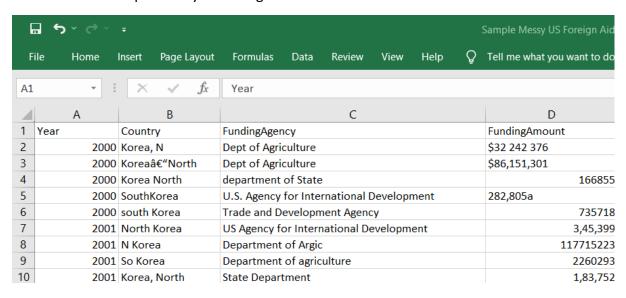
Open Refine Task

Submitted by: Aneesa Begum J

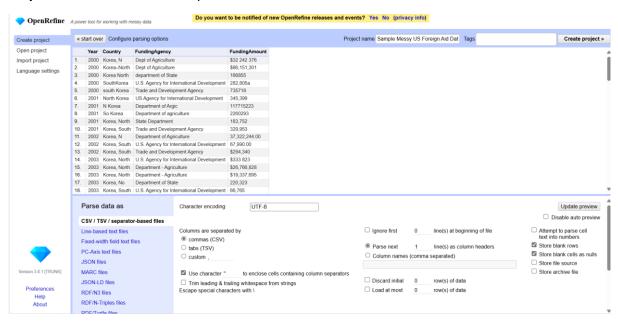
## **Open Refine Project**

Task: Data cleaning and pre-processing

Dataset used: Sample Messy US Foreign AID Dataset



Step 1: Load the Dataset in Open Refine





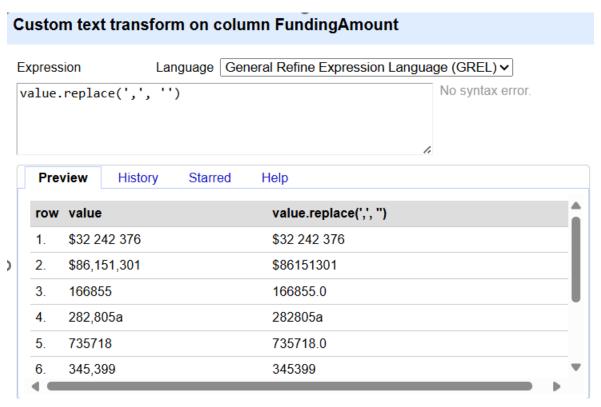
## Step 3: Standardize the Data

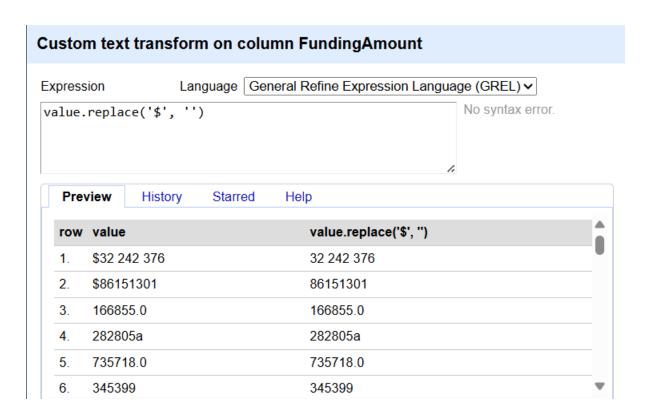
Convert Dollar Amounts from text to numbers in Funding Amount Column



Some of the rows that are colored green are transformed into numbers. But, the 1<sup>st</sup> two rows and most of the other rows are not transformed.

Removing \$ and , from the Funding Amount column.

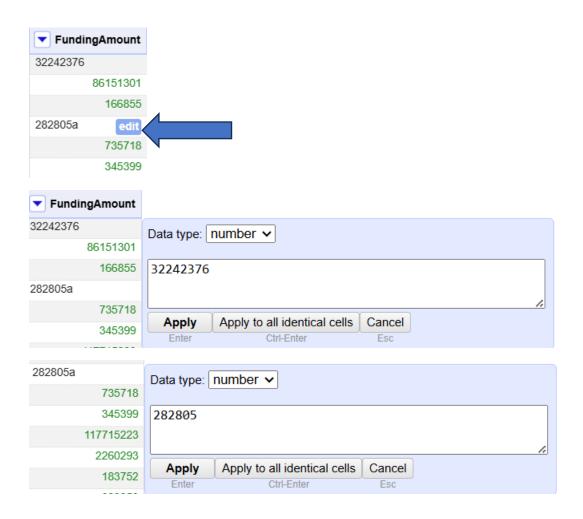




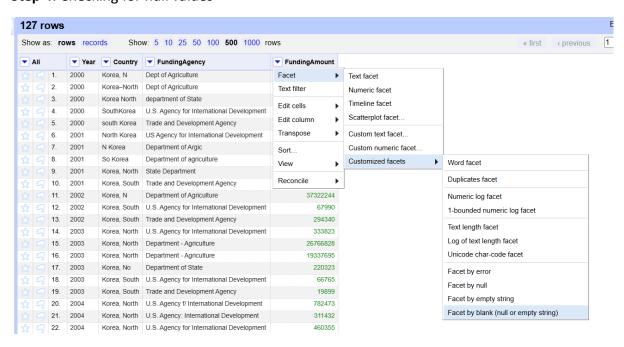


Still few rows have non-numeric rows with the space and ending letter 'a'.

· Fixing it manually by clicking 'edit' on each non-numeric row



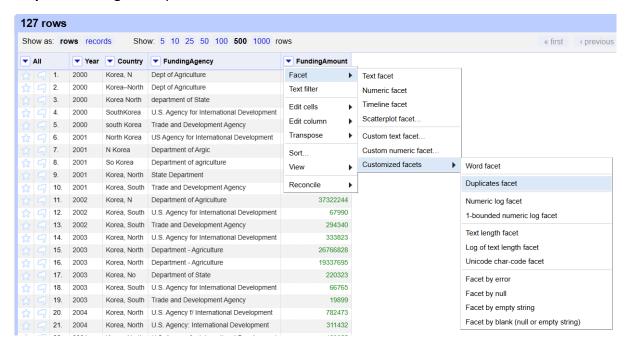
Step 4: Checking for null values





There are no null values found.

Step 5: Checking for Duplicates



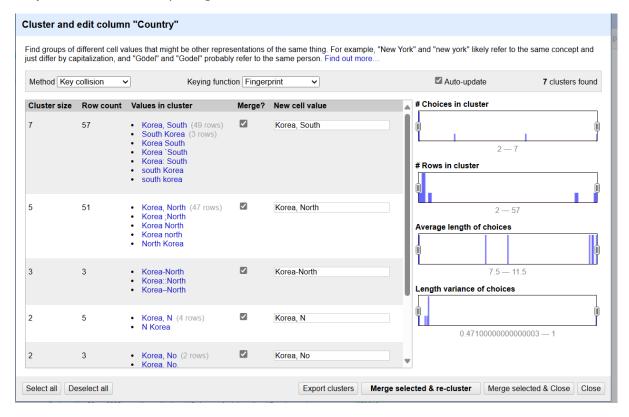


There are no duplicates found on this dataset.

## **127 rows** Show: 5 10 25 50 100 500 1000 rows Show as: rows records ▼ AII Year ▼ Country FundingAgency FundingAmount 1. 2000 Korea, N Dept of Agriculture 32242376 2. 2000 Dept of Agriculture 86151301 Korea-North 3. 2000 Korea North department of State 166855 4. 2000 SouthKorea U.S. Agency for International Development 282805 5. 2000 south Kedit Trade and Development Agency 735718 2001 North Korea US Agency for International Development 6. 345399 7. 2001 N Korea Department of Argic 117715223 Department of agriculture 8. 2001 So Korea 2260293 9. 2001 State Department Korea, North 183752 10. 2001 Korea, South Trade and Development Agency 329953 2002 Korea, N Department of Agriculture 37322244 11. 2002 U.S. Agency for International Development 67990 12. Korea, South 13. 2002 Korea, South Trade and Development Agency 294340 14. 2003 Korea, North U.S. Agency for International Development 333823 2003 Department - Agriculture 15. Korea, North 26766828 16. 2003 Korea, North Department - Agriculture 19337695 17. 2003 Korea, No Department of State 220323 2003 Korea, South U.S. Agency for International Development 66765 18. 19. 2003 Korea, South Trade and Development Agency 19899 2004 U.S. Agency f/ International Development 20. Korea, North 782473 21. 2004 Korea, North U.S. Agency: International Development 311432 22. 2004 Korea, North U.S. Agency for International Development 460355 23. 2004 Korea, North Department of Agriculture 11503280 24. 2004 Korea, N Department of Agriculture 54680490 25. 2004 1108637 Korea, North Department of State

Therefore, all the rows in the Funding Amount column is cleaned and are converted into the numeric values.

Step 6: Cluster Similar Spelling Vaues



Therefore, the Sample Messy US Foreign AID Dataset is clean now.

Step 7: Checking the numeric facet of the column "Year"

