Update Delinquency Data

# Workflow

1. Get raw data in excel file format at Bloomberg terminal
2. Clean raw data at local machine
3. Update data to server oracle database
4. Update metrics and attribute in MicroStrategy

# Get raw data

Open Bloomberg software, run *<ECST T DLQTDLQT>* command to get delinquency data, use *<90>* command to export data to excel.

Select Non-Seasonal Adjustment (NSA)

1. *Unit/Person* for total number of loan
2. *Percent* for delinquency rate

Data contain national, region, division and state level data quarterly from 2000 to latest.

# Clean data

Must manually delete first eight rows in each file.

Then, use *merge.py* to reformat raw data to match database structure which output is a csv file.

Replace “--” to NULL

# Update data to oracle

1. Raw data table name: *DM\_MDS. F\_DELINQUENCY\_ALL\_AREA*
   1. Create copy of old raw data table
   2. Drop old raw data table
   3. Create a new raw data table with same name with updated data
2. Materialized view name: *DM\_MDS. MV\_ DELINQUENCY\_ALL\_AREA*
   1. Create copy of old Materialized view
   2. Drop old Materialized view
   3. Using *Create\_Delinquency\_MV.sql* to create new Materialized view with same name base on new raw data table. For Materialized view, it only contains state data. It does not contain nation, region, division and no Puerto Rico

# Update MicroStrategy

Once the materialized view updated, the metrics and attribute in MicroStrategy will automatically updated.