Data Analytics Bootcamp 12 June 12, 2021

Tecnologico de Monterrey

ETL- Project Report

Housing loans Analysis for Mexican Municipalities.

To achieve the objective for the project the following steps were taken:

**Extraction**

1. Data was acquired from two different CSV sources from INEGI (Instituto Nacional de Estadística y Geografía) and SNIIV (Sistema Nacional de Información e Indicadores de Vivienda).

Sources:[[1]](#footnote-1)

https://www.inegi.org.mx/programas/ccpv/2020/default.html#Datos\_abiertos

https://sniiv.conavi.gob.mx/reportes/datos\_abiertos.aspx

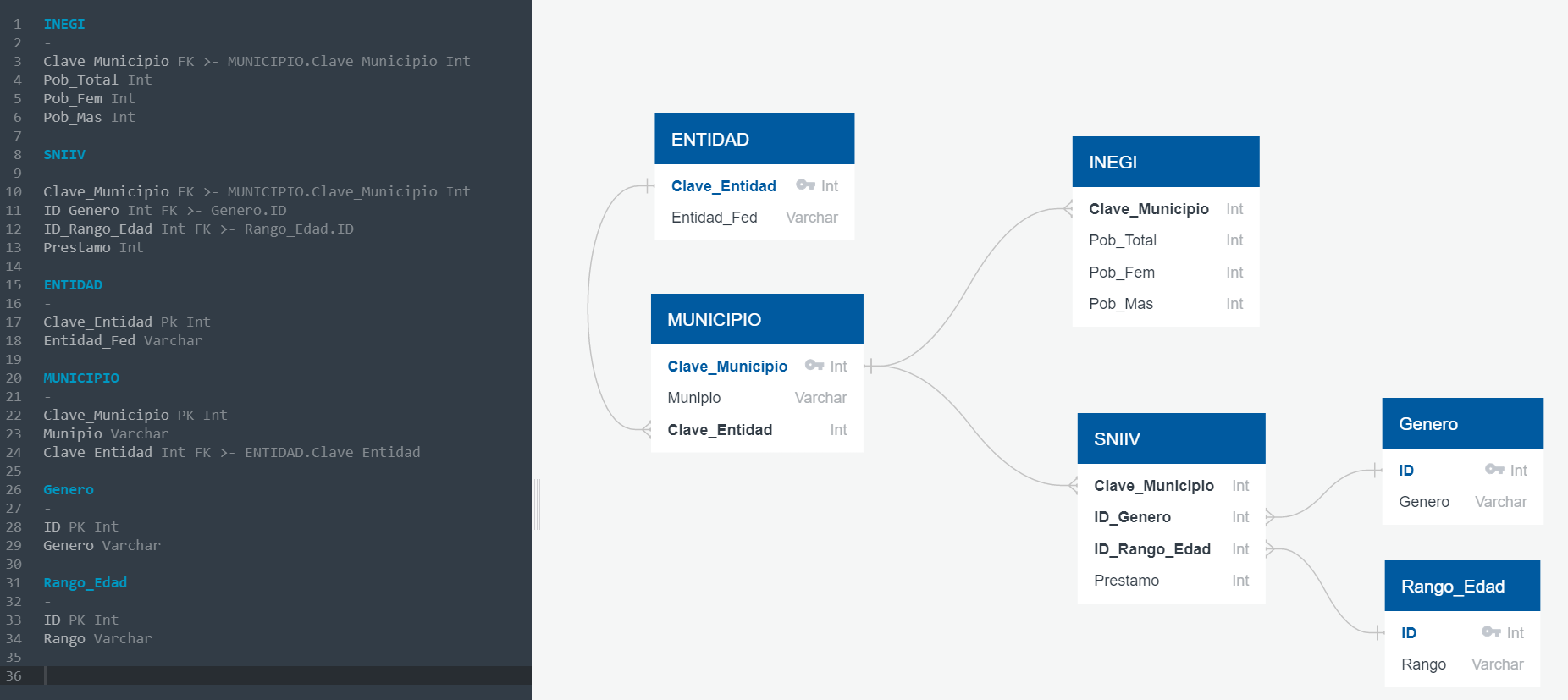
1. Concatenate elements from both data sets were chosen for their similarities
   1. “Clave de Entidad”
   2. “Clave de Municipio”

**Transformation**

1. SQL Staging 1:

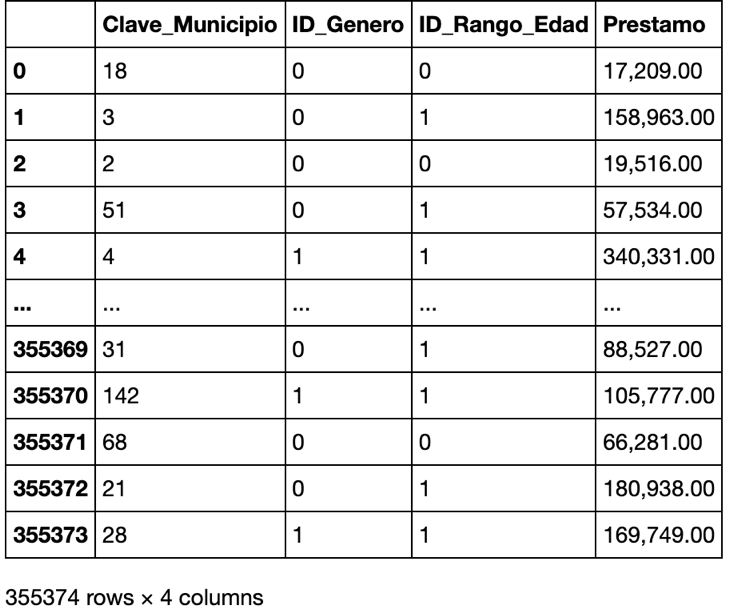
Concatenation of Datasets.

Generation of foreign keys: Entidad and Municipio from INEGI Dataset.



1. Jupyter Notebook

Cleaned SNIIV Table.



1. Link the files can be found in ReadMe.md File. [↑](#footnote-ref-1)