

PPP loans in America

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<u>Information Before Entering the Project</u>

- The Paycheck Protection Program (PPP) is a federal loan program designed to provide financial assistance to businesses affected by the COVID-19 pandemic.
- The PPP is administered by the Small Business Administration (SBA) and is available to eligible businesses with 500 or fewer employees. The loan terms include a low interest rate and the potential for loan forgiveness if certain requirements are met.
- The maximum loan amount available under the PPP is \$10 million.

Business Problem

-PPP loans are intended to help businesses maintain their payroll and cover certain expenses, such as rent and utilities, during the economic downturn caused by the pandemic.

-Shortage of customers



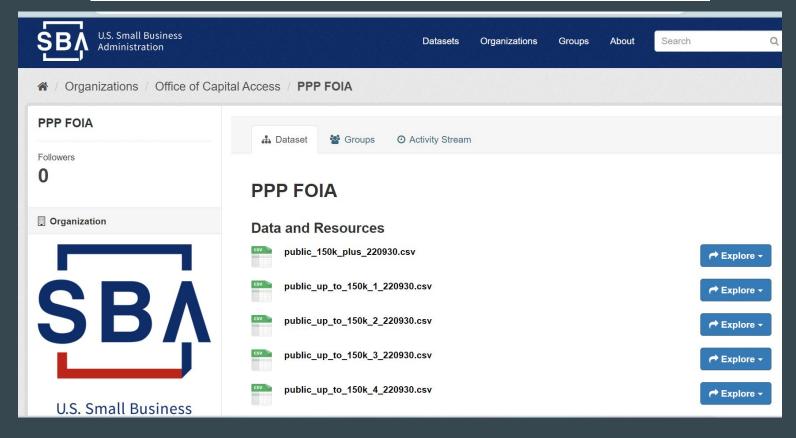
Business Impact

 Conducting a data analysis project on PPP loans can provide valuable insights for both the government and small businesses.

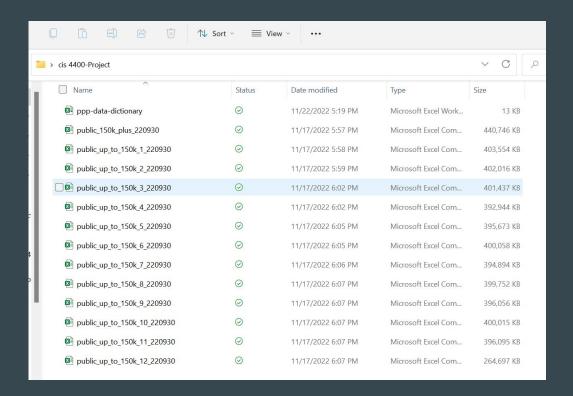
• For the government, a thorough analysis can help identify areas for improvement in the program and ensure that funds are being distributed effectively.

• For small businesses, a data analysis project can help them understand how PPP loans are being used by other companies in their industry, and provide them with information that can help them make more informed decisions about how to use the funds they receive.

<u>Database</u> → U.S. Small Business Administration



Extraction

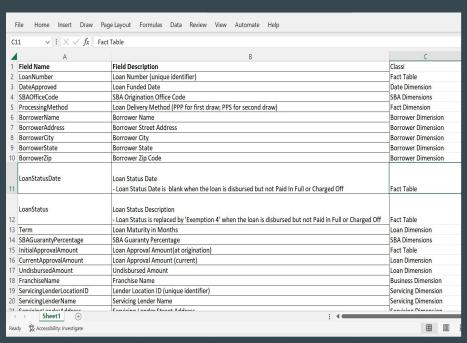


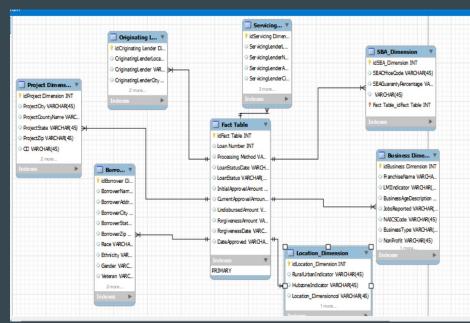
We download each CSV file onto our local machine.

Later these files were used to upload into our Google Cloud Buckets

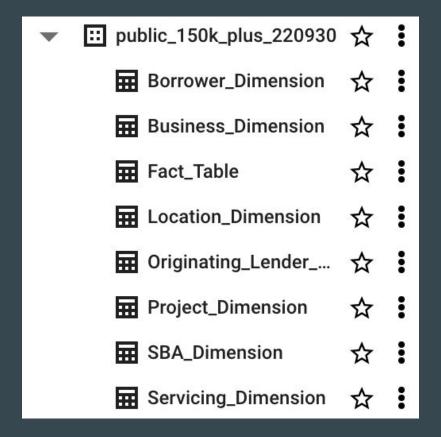
Having Data in house made the process easier to organize and simpler to work with.

Data modeling with SQL Workbench and Data Dictionary





Buckets- Google Cloud Storage- Dataset

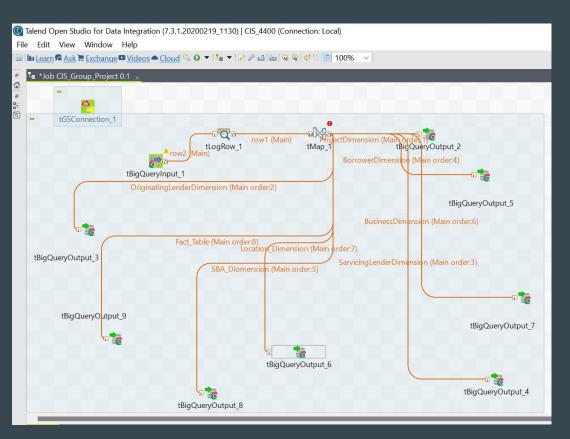


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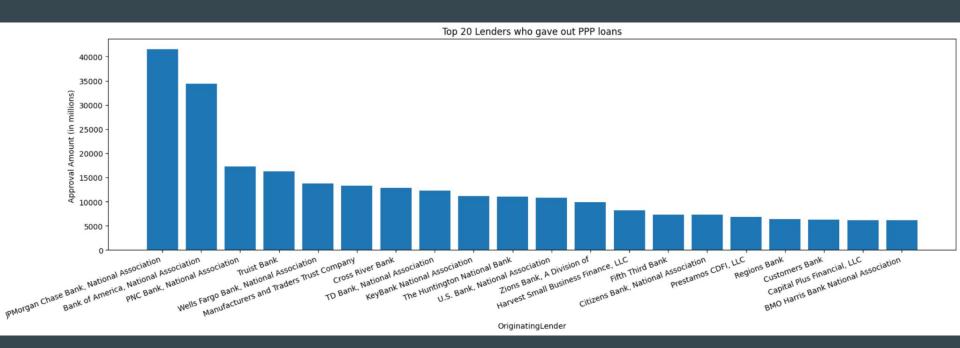
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Data Integration with Talend

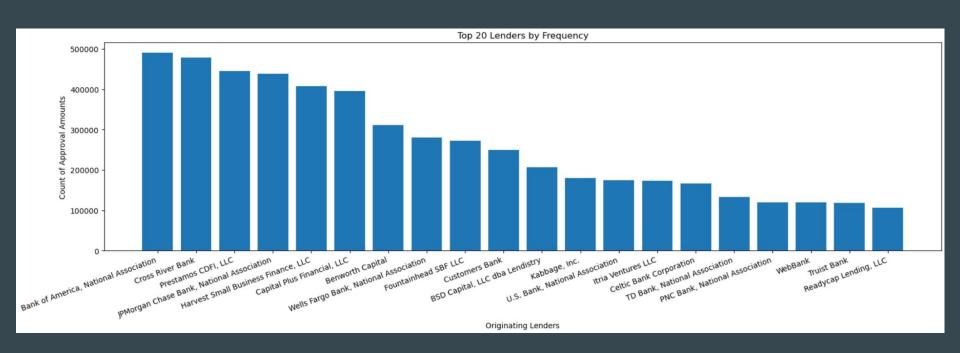


PYTHON CODING TO FIND OUT GOALS

TOP 20 LENDERS (BANKS) IN AMERICA OF PPP LOANS



TOP 20 FREQUENCY (BANKS) IN AMERICA OF PPP LOANS



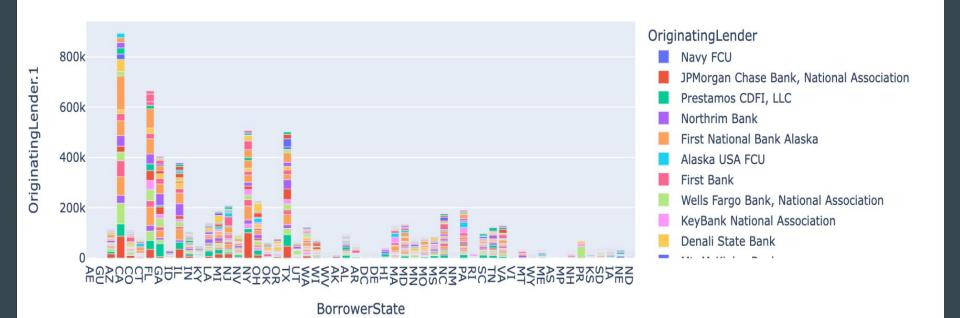


Top 20 Lenders for PPP loans per state





Top 20 Lenders for PPP loans per stat by Amount of loans given



Insights

- -JP Morgan, Bank of America and PNC Bank were the top 3 leading lenders during the pandemic in nation.
- -California, New York and Florida were the states that received the most aid.
- -An interesting fact is that some army bases around the world received PPP loans
- -The lowest amount of loans in the top 20 were given by BMO Harris Bank National Association, Capital Plus Financial, LLC, Customers Bank.

