Out[29]: from IPython import display In [2]: display.Image('/home/harlohutch77/pictures/fdic1.jpeg', height=400, width=800) Out[2]: df = pd.read_html('https://www.fdic.gov/resources/resolutions/bank-failures/failed-bank-list/') df[0]In [3]: **Bank Name** City State Cert **Aquiring Institution Closing Date** Fund Out[3]: Republic First Bank dba Republic Bank Philadelphia Pennsylvania 27332 Fulton Bank, National Association April 26, 2024 10546 1 Citizens Bank Sac City 8758 Iowa Trust & Savings Bank November 3, 2023 10545 Iowa 25851 2 Heartland Tri-State Bank Elkhart Kansas Dream First Bank, N.A. July 28, 2023 10544 California May 1, 2023 10543 3 First Republic Bank San Francisco 59017 JPMorgan Chase Bank, N.A. 4 New York Signature Bank New York 57053 Flagstar Bank, N.A. March 12, 2023 10540 5 Silicon Valley Bank Santa Clara California 24735 First Citizens Bank & Trust Company March 10, 2023 10539 Almena State Bank Almena 6 Kansas 15426 **Equity Bank** October 23, 2020 10538 First City Bank of Florida Fort Walton Beach United Fidelity Bank, fsb October 16, 2020 Florida 16748 10537 8 The First State Bank Barboursville West Virginia 14361 MVB Bank, Inc. April 3, 2020 10536 Ericson State Bank Nebraska 18265 Farmers and Merchants Bank February 14, 2020 10535 Ericson In [4]: df[0].describe().transpose() min **25**% **50**% **75**% max Out[4]: 8758.0 15756.50 21500.0 26961.75 59017.0 Cert 10.0 26754.6 17455.039471 **Fund** 10.0 10540.3 3.945462 10535.0 10537.25 10539.5 10543.75 10546.0 In [6]: df[0][['Bank Name', 'Fund', 'Closing Date']] **Closing Date** Bank Name Fund Out[6]: 0 Republic First Bank dba Republic Bank 10546 April 26, 2024 Citizens Bank 10545 November 3, 2023 Heartland Tri-State Bank 10544 2 July 28, 2023 3 May 1, 2023 First Republic Bank 10543 4 Signature Bank 10540 March 12, 2023 5 Silicon Valley Bank 10539 March 10, 2023 6 Almena State Bank 10538 October 23, 2020 First City Bank of Florida 10537 October 16, 2020 8 The First State Bank 10536 April 3, 2020 9 Ericson State Bank 10535 February 14, 2020 #10 banks that have closed In [30]: df[0]['Fund'].count() Out[32]: #total amount of funds from all banks 105403 In [33]: df[0]['Fund'].sum() In [8]: 105403 Out[8]: In [9]: df[0]['Closing Date'].head() April 26, 2024 Out[9]: 1 November 3, 2023 July 28, 2023 2 May 1, 2023 3 March 12, 2023 Name: Closing Date, dtype: object In [34]: df[0]['Closing Date'].sort_values() April 26, 2024 Out[34]: 8 April 3, 2020 February 14, 2020 9 2 July 28, 2023 5 March 10, 2023 4 March 12, 2023 3 May 1, 2023 1 November 3, 2023 7 October 16, 2020

This project is on FDIC failed banks.

In [26]:

In [2]:

In [29]:

import numpy as np

%matplotlib inline

now = date.today()

from datetime import date

datetime.date(2024, 8, 26)

import pandas as pd import seaborn as sns import cufflinks as cf

import matplotlib.pyplot as plt

#I obtained this information from data mining the failed banks on the fdic website..

In [13]: #first date of the first bank failure was on February 14, 2020 per this data In [14]: df[0]['Closing Date'].unique()

In [15]:

Out[15]:

In [19]:

Out[19]:

In [21]:

Out[21]:

In [22]:

Out[22]:

In [25]:

In [27]:

2

3 4

5

6

7

8 9

2

3 4

5

6

7

8

1

2

3

4

5

6

8

sns.pairplot(df[0])

60000

50000

40000

20000

> 10538 10536

ē 30000

df[0]

6

October 23, 2020 Name: Closing Date, dtype: object

df[0]['Closing Date']

April 26, 2024

March 12, 2023

March 10, 2023

October 23, 2020

October 16, 2020 April 3, 2020

February 14, 2020

May 1, 2023

Name: Closing Date, dtype: object

Name: Bank Name, dtype: object

Republic First Bank dba Republic Bank

df[0][df[0]['Fund']>=10000]['Bank Name']

Republic First Bank dba Republic Bank

November 3, 2023 July 28, 2023

#last date of the last bank failure was on April 26, 2024 per this data

array(['April 26, 2024', 'November 3, 2023', 'July 28, 2023' 'May 1, 2023', 'March 12, 2023', 'March 10, 2023', 'October 23, 2020', 'October 16, 2020', 'April 3, 2020',

'February 14, 2020'], dtype=object)

#ten banks that failed per this data - 10,000.00 == Fund

Heartland Tri-State Bank First Republic Bank

First City Bank of Florida

Bank Name

Citizens Bank

Heartland Tri-State Bank

First Republic Bank

Silicon Valley Bank

Almena State Bank

The First State Bank

Ericson State Bank

<seaborn.axisgrid.PairGrid at 0x7f1668a35670>

40000

For Notebooks - jupyter notebook init_notebook_mode(connected=True)

20000

from plotly import __version_

In [24]: #Cufflinks Visualizations

cf.go_offline()

5.7.0

60000 10535

print(__version__) # requires version >= 1.9.0

10540

Fund

from plotly.offline import download_plotlyjs, init_notebook_mode, plot, iplot

Failed_Banks between February 14, 2000 to April 26, 2024

Bank Name

Failed_Banks between February 14, 2000 to April 26, 2024

Nebraska Florida

24735 59017

The data below comes from The Conversation website.

The data below was obtained from the CNBC website

#as merger activity — a key potential lifeline — has slowed to a trickle.

iframe_url = "https://www.youtube.com/embed/X6IAaFbzv5g?si=lqm-9NhfeS7Ycqh2"

IFrame(src=iframe_url, width=800, height=500, title="YouTube video player")

Board of Directors

Tuesday, July 30, at 10 a.m. ET

display.Image('/home/harlohutch77/pictures/fdic1.jpeg', height=400, width=800)

#and staffing, according to Klaros co-founder Brian Graham.

FDIC live video via YouTube Channel

!\$BROWSER https://www.youtube.com/watch?v=X6IAaFbzv5g

#The red letter day is March 11, when US central bank the Federal Reserve will end the bank term

In []: #The forces that consumed three regional lenders last March have left hundreds of smaller banks wounded,

#Klaros Group analyzed about 4,000 institutions and found 282 with both high levels of commercial real #estate exposure and large unrealized losses from the rate surge — which may force these lenders to raise

#Behind the scenes, regulators have been prodding banks with confidential orders to improve capital levels

#funding program (BTFP), a year after it began in response to the failures of regional banks Signature, #Silvergate and Silicon Valley. These banks were brought down by customers withdrawing deposits en masse, #both because many were tech or crypto businesses that needed money to cover losses, and because there

In [125... | #https://theconversation.com/why-economists-are-warning-of-another-us-banking-crisis-224092

Kansas

Barboursville Pennsylvania

Almena

State

df[0].iplot(kind='hist', bins=35, color='purple', title='Failed_Banks between February 14, 2000 to April 26, 20

First Citizens Bank & Trust Company

lowa Trust & Savings Bank

United Fidelity Bank, fsb

Cert

10537

10543

18265 24735 8758 Florida Pennsylvania Almena Elkhart

February 14, 2020

November 3, 2023 United Fidelity Bank, fsb

> The First State Bank Signature Bank

Republic First Bank dba Republic Bank

2

1.5

Signature Bank Heartland Tri-State Bank

Almena State Bank The First State Bank

Republic First Bank dba Republic Bank

In [122... #What is the issue?

#Politics

Philadelphia

#Are the banks not vetting customers better

#were better savings rates available elsewhere.

In [85]: #This syntax allows you to goto the YouTube Channel

In [119... | #This is the FDIC YouTube Channel updates- streaming

FDIC Board of Directors Meeting

#fresh capital or merge.

In [121... from IPython.display import IFrame

GIF link used as IFrame

resized output IFrame

In [122... **from** IPython **import** display

PUBLIC MEETING

In [127...

Out[121]:

Out[122]:

JPMorgan Chase Bank, N.A.

March 10, 2023

10545

df[0].iplot(kind='box', title='Failed_Banks between February 14, 2000 to April 26, 2024')

First City Bank of Florida

Signature Bank

Citizens Bank

Signature Bank

City

Sac City

Elkhart

New York

Almena

Ericson

Santa Clara

Barboursville

Fort Walton Beach

San Francisco

Philadelphia Pennsylvania

State

Iowa

New York 57053

California 24735

Kansas 15426

Florida 16748

West Virginia 14361

Nebraska 18265

Kansas

California

Cert

27332

8758

25851

Aquiring Institution

Dream First Bank, N.A.

Flagstar Bank, N.A.

United Fidelity Bank, fsb

Equity Bank

MVB Bank, Inc.

Farmers and Merchants Bank February 14, 2020 10535

JPMorgan Chase Bank, N.A.

First Citizens Bank & Trust Company

Iowa Trust & Savings Bank November 3, 2023 10545

Fulton Bank, National Association

Closing Date

April 26, 2024 10546

July 28, 2023 10544

May 1, 2023 10543

March 12, 2023 10540

March 10, 2023 10539

October 23, 2020 10538

October 16, 2020

City

State

Cert

Fund

Bank Name

Closing Date

Aquiring Institution

Export to plot.ly »

City

Fund

Watch later

FDI

State

Aquiring Institution

March 10, 2023 May 1, 2023

October 16, 2020

November 3, 2023

Closing Date

Bank Name

Closing Date

Aquiring Institution

Export to plot.ly »

April 3, 2020

Fund

10536

Silicon Valley Bank

The First State Bank Ericson State Bank

Almena State Bank

In []: