In [1]:
```python
import pandas as pd
import matplotlib.pyplot as plt
from sqlalchemy import create_engine
from config import username, password, host, port
```

In [2]:
```python
# create an engine that can connect to local database
engine = create_engine(f"postgresql://{username}:{password}@{host}:{port}/pos
conn=engine.connect()
```
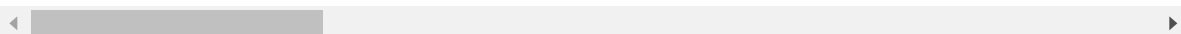
In [3]:
```python
#read in billionaires from sql
billionaire_list = pd.read_sql('SELECT * FROM billionaires group by name orde
```

In [4]:
```python
billionaire_list
```

Out[4]:

	id	name	rank	year	company_founded	company_name	company_relationsh
0	1	A. Jerrold Perenchio	663	2014	1955	Univision	former chairman ai CE
1	2	Abdulla Al Futtaim	687	2014	1930	Al-Futtaim Group	relatic
2	3	Abdulla bin Ahmad Al Ghurair	305	2014	1960	Al-Ghurair Group	relatic
3	4	Abdullah Al Rajhi	731	2014	1957	Al Rajhi bank	found
4	5	Abdulsamad Rabiu	1372	2014	1988	BUA Group	found
...	...	...	...	...	...	...	
1648	1649	Zhu Yicai	1154	2014	1993	Yurun Food	found
1649	1650	Ziyad Manasir	609	2014	1992	Stroygazconsulting	found
1650	1651	Ziyaudin Magomedov	1372	2014	2004	Summa Group	found
1651	1652	Zong Qinghou	94	2014	1987	Hangzhou Wahaha Group	found
1652	1653	Zygmunt Solorz-Zak	446	2014	1992	Polsat	found

1653 rows × 23 columns

In [6]:
```python
#read in investors from sql
investors_list = pd.read_sql('SELECT * FROM investors;',conn)
```

In [7]: ▶| `investors_list`

Out[7]:

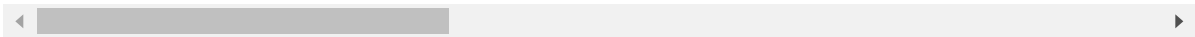|	investor_id	name	location	type	most_recent_deal	number_of_deals	portfolio_s
0	1761	Ascent Venture Partners	Boston	vc	2018-04-12	0	
1	116	Baseline Ventures	Bay Area	vc	2020-07-20	182	1
2	1968	Discovery Capital	Vancouver	vc	2019-11-25	0	
3	7877	Portland Seed Fund	Portland	vc	2020-08-04	0	
4	1677	Emerald Technology Ventures	Zurich	vc	2020-06-24	0	
...	...	...	...	...	...	...	
327	2125	Stata Venture Partners	Boston	vc	2016-11-15	0	
328	7668	Evan Williams	Bay Area	angel	2016-10-20	0	
329	8623	George Kliavkoff	New York	angel	2012-10-15	0	
330	1615	Shan Mehta	Bay Area	angel	2015-02-25	0	
331	8577	Adii Pienaar	Cape Town	angel	2013-08-01	0	

332 rows × 12 columns

In [9]: ▶|
```python
#read in billionaires from sql
sharkTank_list = pd.read_sql('SELECT * FROM sharktank;',conn)
```

In [10]: ▶| sharkTank_list

Out[10]:

	deal	description	episode	category	entrepreneurs	location	
0	False	Bluetooth device implant for your ear.	1	Novelties	Darrin Johnson	St. Paul, MN	
1	True	Retail and wholesale pie factory with two reta...	1	Specialty Food	Tod Wilson	Somerset, NJ	http://
2	True	Ava the Elephant is a godsend for frazzled par...	1	Baby and Child Care	Tiffany Krumins	Atlanta, GA	http://www.avathe
3	False	Organizing, packing, and moving services deliv...	1	Consumer Services	Nick Friedman, Omar Soliman	Tampa, FL	http://collegehunksha
4	False	Interactive media centers for healthcare waiti...	1	Consumer Services	Kevin Flannery	Cary, NC	http://www
...	...	...	...	...	...	...	
490	True	Zoom Interiors is a virtual service for interi...	28	Online Services	Beatrice Fischel-Bock, Madeine Fraser & Lizzie...	Philadelphia, PA	https://zoo
491	True	Spikeball started out as a casual outdoors gam...	29	Toys and Games	Chris Ruder	Chicago, IL	http:/
492	True	Shark Wheel is out to literally reinvent the w...	29	Outdoor Recreation	David Patrick and Zack Fleishman	Lake Forest, CA	http://www.sh
493	False	Adriana Montano wants to open the first Cat Ca...	29	Entertainment	Adriana Montano	Boca Raton, FL	http://gatod
494	True	Sway Motorsports makes a three-wheeled, all-el...	29	Automotive	Joe Wilcox	Palo Alto, CA	http://www.swaym

495 rows × 19 columns

In [ ]: