

```

import os

cwd = os.getcwd()

files = os.listdir(cwd)

csv_files = [f for f in files if f.endswith('.csv')]

for f in csv_files:
    os.remove(os.path.join(cwd, f))

import pandas as pd
import random

cities = ['happy city', 'marble city', 'bubble city', 'tustin', 'anaheim', 'san diego', 'new york city', 'leaf city']

weekly_totals_per_store = []


for city in cities:
    store_name = city
    weekly_sales_total = random.randint(100000, 1000000)
    store_dict = {'Agua Fresca Juice Shop': store_name, 'weekly_sales_total': weekly_sales_total}
    weekly_totals_per_store.append(store_dict)

df = pd.DataFrame(weekly_totals_per_store)

df.to_csv('weekly_sales.csv', index=False)

print("Data saved to 'weekly_sales.csv'")

```

 Data saved to 'weekly_sales.csv'

```

import pandas as pd
import random
from datetime import datetime, timedelta

cities = ['happy city', 'marble city', 'bubble city', 'tustin', 'anaheim', 'san diego', 'new york city', 'leaf city']

weekly_totals_per_store = []

start_date = datetime(2024, 1, 1)
end_date = datetime(2024, 12, 31)
current_date = start_date

while current_date <= end_date:
    week_name = current_date.strftime('%B-%d-%Y')
    current_date += timedelta(days=7)

# print(current_date)

cities = ['happy city', 'marble city', 'bubble city', 'tustin', 'anaheim', 'san diego', 'new york city', 'leaf city']

start_date = datetime(2024, 1, 1)
end_date = datetime(2024, 12, 31)
current_date = start_date

while current_date <= end_date:
    weekly_totals_per_store = []
    week_name = current_date.strftime('%B-%d-%Y')
    current_date += timedelta(days=7)
    for city in cities:
        store_name = city
        weekly_sales_total = random.randint(100000, 1000000)
        store_dict = {'Agua Fresca Juice Shop': store_name, 'weekly_sales_total': weekly_sales_total}
        weekly_totals_per_store.append(store_dict)

    df = pd.DataFrame(weekly_totals_per_store)

    save_as = week_name.replace(' ', '-').lower() + '.csv'
    df.to_csv(save_as, index=False)

```

```

import os

current_directory = os.getcwd()

all_files = os.listdir(current_directory)

csv_files = [file for file in all_files if file.endswith('.csv')]

import pandas as pd
import os

current_directory = os.getcwd()

all_files = os.listdir(current_directory)


csv_files = [file for file in all_files if file.endswith('.csv')]

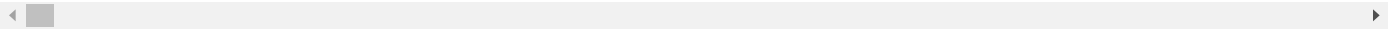
all_stores_all_weekly_sales = []

for filename in csv_files:
    df = pd.read_csv(filename)
    week_name = filename.replace('.csv', '')
    for _, row in df.iterrows():
        row_dict = row.to_dict()
        row_dict['week'] = week_name
        all_stores_all_weekly_sales.append(row_dict)

print(all_stores_all_weekly_sales)

```

 [{"Agua Fresca Juice Shop": 'happy city', 'weekly_sales_total': 762932, 'week': 'february-12-2024'}, {'Agua Fresca Juice Shop': 'marble




```

df = pd.DataFrame(all_stores_all_weekly_sales)

print(df)

```



	Agua Fresca Juice Shop	weekly_sales_total	week
0	happy city	762932	february-12-2024
1	marble city	891814	february-12-2024
2	bubble city	736731	february-12-2024
3	tustin	332993	february-12-2024
4	anaheim	688092	february-12-2024
..
427	tustin	734327	weekly_sales
428	anaheim	879834	weekly_sales
429	san diego	681349	weekly_sales
430	new york city	980239	weekly_sales
431	leaf city	246143	weekly_sales

[432 rows x 3 columns]

```

import altair as alt

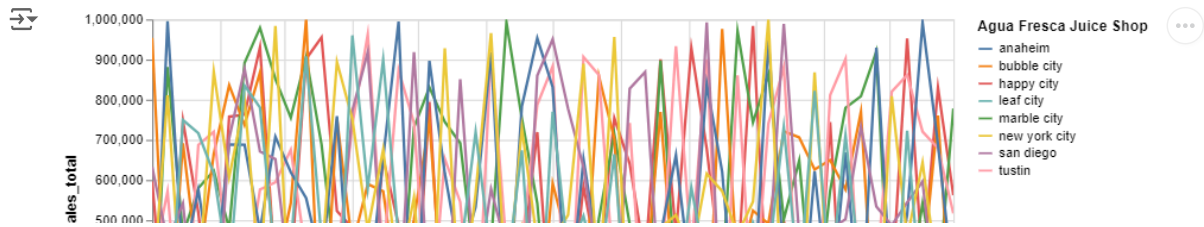
width = 600

height = 300

base = alt.Chart(df, width=width, height=height).mark_line().encode(
    x='week:T',
    y='weekly_sales_total:Q',
    color='Agua Fresca Juice Shop:N',
    tooltip=['Agua Fresca Juice Shop:N', 'weekly_sales_total:Q', 'week:T']
).interactive()

base

```



```
import pandas as pd
grouped_stats = df.groupby('Agua Fresca Juice Shop')['weekly_sales_total'].describe()

grouped_variance = df.groupby('Agua Fresca Juice Shop')['weekly_sales_total'].var().rename("variance")

stats_with_variance = pd.concat([grouped_stats, grouped_variance], axis=1)

print(stats_with_variance)
```

	count	mean	std	min	\
Agua Fresca Juice Shop					
anaheim	54.0	541433.018519	263479.805179	102235.0	
bubble city	54.0	503860.055556	255747.991588	102791.0	
happy city	54.0	492245.944444	265559.883378	110554.0	
leaf city	54.0	460710.425926	234606.593776	108933.0	
marble city	54.0	555912.870370	269837.239340	110882.0	
new york city	54.0	515871.814815	269787.992339	110099.0	
san diego	54.0	511337.814815	254910.029636	139278.0	
tustin	54.0	566804.851852	265196.242863	116589.0	
	25%	50%	75%	max	variance
Agua Fresca Juice Shop					
anaheim	304614.50	544174.0	703017.25	995536.0	6.942161e+10
bubble city	313175.50	496339.0	717273.00	999602.0	6.540704e+10
happy city	243658.00	445146.0	737948.00	983182.0	7.052205e+10
leaf city	287709.50	411009.5	671399.00	960126.0	5.504025e+10
marble city	342086.75	557523.5	772374.75	993171.0	7.281214e+10
new york city	303428.75	470554.5	746393.50	999700.0	7.278556e+10
san diego	322572.75	477828.0	698242.75	992406.0	6.497912e+10
tustin	367266.25	585255.0	804959.75	962457.0	7.032905e+10

```
import pandas as pd
```

1 to 8 of 8 entries Filter

Agua Fresca Juice Shop	weekly_sales_total
happy city	385854
marble city	542088
bubble city	373479
tustin	720325
anaheim	991529
san diego	596154
new york city	643224
leaf city	258576

