In [1]:
```
%matplotlib inline

import numpy as np
import pandas as pd

import matplotlib.pyplot as plt
import seaborn as sns

import warnings
warnings.simplefilter("ignore")

pd.set_option("display.max_columns",None)
```

In [3]:
```
df = pd.read_csv("C:/Users/culex/OneDrive/Documents/CSU-Global/MIS581/Capstone Data/ou
print(df.shape)
df.head(3)
```

```
(108, 13)
```

Out[3]:

	agency_id	toptier_code	abbreviation	agency_name	congressional_justification_url	a
0	1146	310	USAB	Access Board	https://www.access-board.gov/cj	
1	1136	302	ACUS	Administrative Conference of the U.S.	https://www.acus.gov/cj	
2	1144	306	ACHP	Advisory Council on Historic Preservation	https://www.achp.gov/sites/default/files/2021-...	

In [5]:
```
df.describe()
```

Out[5]:

	agency_id	toptier_code	active_fy	active_fq	outlay_amount	obligated_amount	budget_auth
count	108.000000	108.000000	108.0	108.0	1.080000e+02	1.080000e+02	
mean	915.824074	485.083333	2023.0	4.0	7.406938e+10	7.615870e+10	
std	384.378193	1209.393755	0.0	0.0	3.019335e+11	3.117493e+11	
min	11.000000	5.000000	2023.0	4.0	0.000000e+00	0.000000e+00	
25%	654.750000	69.750000	2023.0	4.0	8.590223e+06	1.005469e+07	
50%	1067.500000	322.000000	2023.0	4.0	9.746734e+07	1.095675e+08	
75%	1156.250000	444.000000	2023.0	4.0	9.448578e+09	9.780366e+09	
max	1544.000000	9553.000000	2023.0	4.0	2.167883e+12	2.241098e+12	

In [7]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 108 entries, 0 to 107
Data columns (total 13 columns):
 #   Column                                 Non-Null Count  Dtype
---  ------                                 --------------  -----
 0   agency_id                              108 non-null    int64
 1   toptier_code                           108 non-null    int64
 2   abbreviation                           108 non-null    object
 3   agency_name                            108 non-null    object
 4   congressional_justification_url        96 non-null     object
 5   active_fy                              108 non-null    int64
 6   active_fq                              108 non-null    int64
 7   outlay_amount                          108 non-null    float64
 8   obligated_amount                       108 non-null    float64
 9   budget_authority_amount                108 non-null    float64
 10  current_total_budget_authority_amount  108 non-null    float64
 11  percentage_of_total_budget_authority   108 non-null    float64
 12  agency_slug                            108 non-null    object
dtypes: float64(5), int64(4), object(4)
memory usage: 11.1+ KB
```

In [9]:
```
df["active_fy"].unique()
```

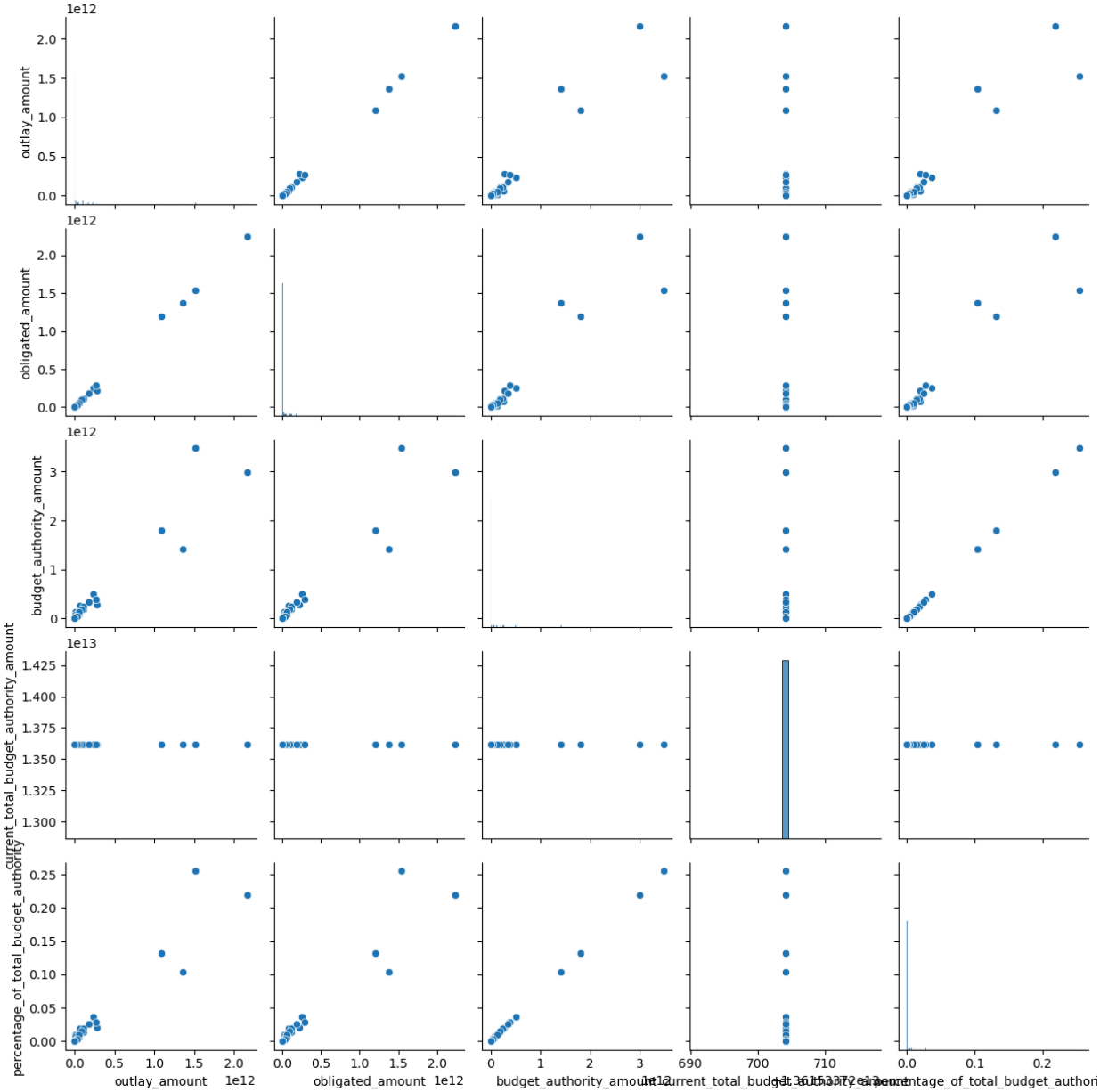
Out[9]:
```
array([2023], dtype=int64)
```

In [11]:
```
df["active_fq"].unique()
```

Out[11]:
```
array([4], dtype=int64)
```

In [13]:
```
sns.pairplot(df[["outlay_amount","obligated_amount","budget_authority_amount","current
```

Out[13]:
```
<seaborn.axisgrid.PairGrid at 0x1bd49389750>
```


outlay_amount
obligated_amount
budget_authority_amount
current_total_budget_authority_amount
percentage_of_total_budget_authority
1e12
1e13

In [ ]: