

ACLED Middle East Geomapping

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```
import pandas as pd
import folium
from folium import plugins
import warnings
warnings.filterwarnings("ignore", category=RuntimeWarning)
warnings.filterwarnings("ignore", category=UserWarning)
warnings.simplefilter('ignore')
```

```
df = pd.read_csv("MiddleEast_2017-2018_June12.csv")
df.head(4)
```

	ISO	EVENT_ID_CNTY	EVENT_ID_NO_CNTY	EVENT_DATE	YEAR	TIME_PRECISION	
0	48	BHR2	2.0	01-January-2017	2017	1	
1	48	BHR1	1.0	01-January-2017	2017	1	
2	48	BHR3	3.0	01-January-2017	2017	1	
3	48	BHR4	4.0	02-January-2017	2017	1	

4 rows x 28 columns

```
print(len(df), '\n')
df['EVENT_TYPE'].value_counts()
```

68630	
Remote violence	40053
Battle-No change of territory	14656
Riots/Protests	4659

```

Strategic development                2755
Battle-Government regains territory  2582
Violence against civilians           2057
Battle-Non-state actor overtakes territory 1397
Non-violent transfer of territory     431
Headquarters or base established      30
Battle-no change of territory         6
Battles-No change of territory        4
Name: EVENT_TYPE, dtype: int64

```

```
df['COUNTRY'].value_counts()
```

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Syria                31374
Yemen                20715
Iraq                 6672
Saudi Arabia         3274
Palestine            2103
Turkey              1847
Iran                1310
Israel               445
Lebanon              442
Bahrain             307
Jordan              130
Kuwait               6
Oman                 2
United Arab Emirates 2
Qatar                1
Name: COUNTRY, dtype: int64

```

```
df['YEAR'].value_counts()
```

```

2017    39904
2018    19012
2016     9714
Name: YEAR, dtype: int64

```

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dfc=df.copy()
dfs=dfc.loc[dfc['COUNTRY'].isin(['Syria','Palestine','Israel','Jordan','Lebanon'])]
print(len(dfs),'\n')
dfs['EVENT_TYPE'].value_counts()

```

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34494
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```

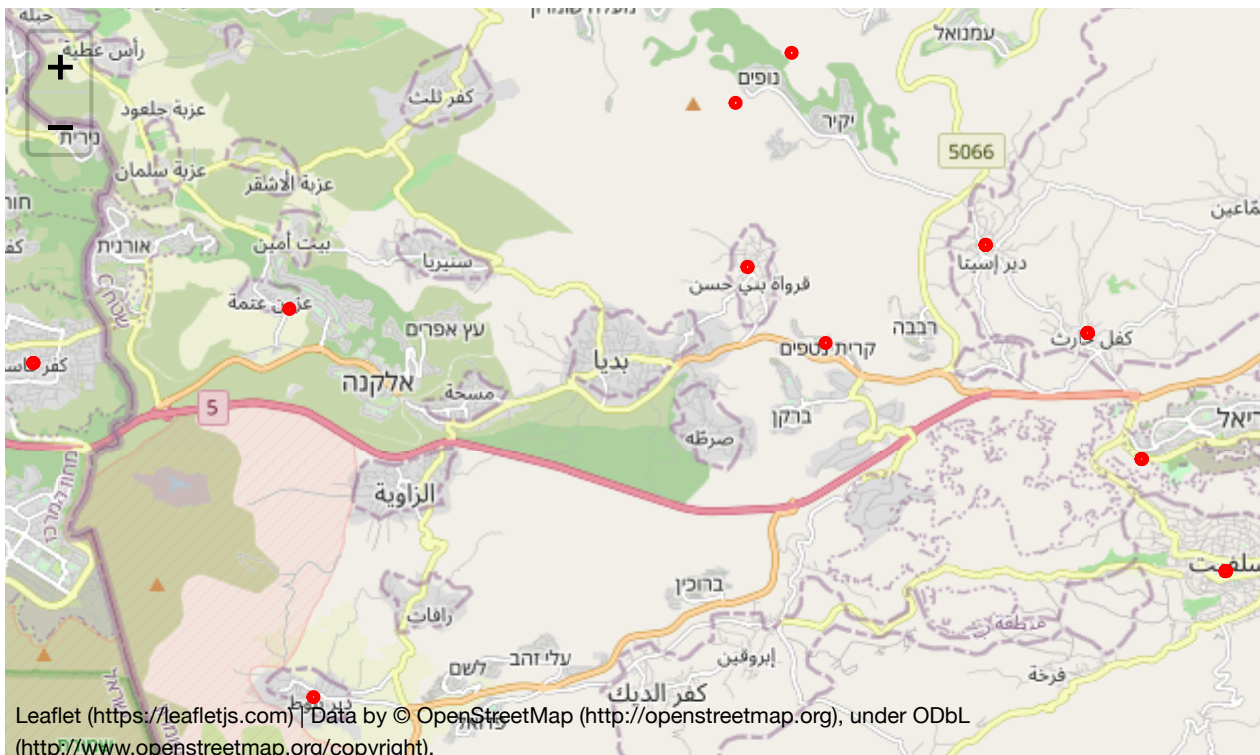
Remote violence                19577
Battle-No change of territory   7261
Riots/Protests                 2212
Strategic development           1541
Battle-Non-state actor overtakes territory 1267
Battle-Government regains territory 1221
Violence against civilians      1059
Non-violent transfer of territory 324
Headquarters or base established 26

```

6

3120

```
map_center = [dfs["LATITUDE"].mean(), dfs["LONGITUDE"].mean()]
map_3 = folium.Map(location=map_center, zoom_start=12)
for i, row in dfs[["LATITUDE", "LONGITUDE"]].dropna().iterrows():
    position = (row["LATITUDE"], row["LONGITUDE"])
    folium.CircleMarker(position, radius=2, color="red").add_to(map_3)
map_3.save('html_map_output/ACLED_ME_pns.html')
map_3
```



[illegible]

