```
In [1]:   #https://www.data.go.kr/data/15098733/fileData.do
```

```
In [23]:  import pandas as pd
          import seaborn as sns
          import matplotlib.pyplot as plt

          data1 = pd.read_excel('인천광역시.xlsx')
```

```
In [28]:  data1
```

Out[28]:

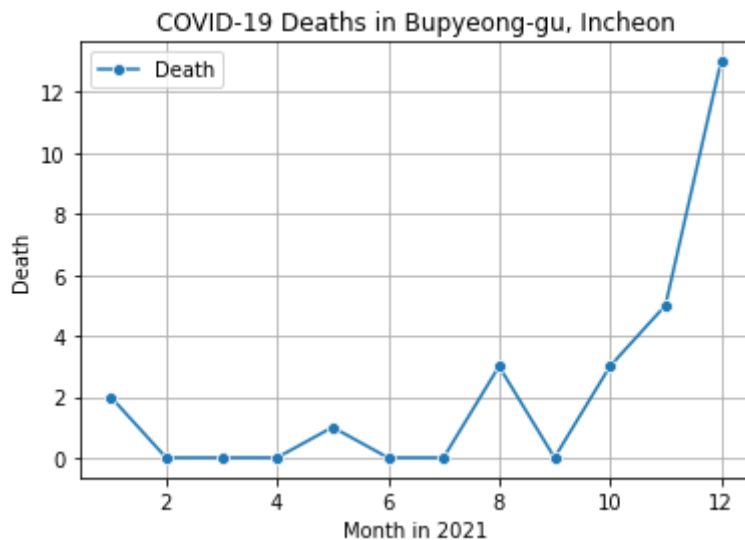|	년도	월	확진자 수	사망자수
0	2020	1	0	0
1	2020	2	2	0
2	2020	3	13	0
3	2020	4	2	0
4	2020	5	31	0
5	2020	6	35	0
6	2020	7	11	0
7	2020	8	47	0
8	2020	9	31	1
9	2020	10	27	0
10	2020	11	41	0
11	2020	12	413	7
12	2021	1	193	2
13	2021	2	92	0
14	2021	3	74	0
15	2021	4	115	0
16	2021	5	125	1
17	2021	6	139	0
18	2021	7	393	0
19	2021	8	506	3
20	2021	9	726	0
21	2021	10	703	3
22	2021	11	1200	5
23	2021	12	2202	13

```
In [36]:  df = data1.query("년도 == 2021")
          sns.lineplot(x='월', y= '사망자수', data = df, label = 'Death', marker = 'o');

          plt.title('COVID-19 Deaths in Bupyeong-gu, Incheon')

          plt.xlabel('Month in 2021')
          plt.ylabel('Death')
```

```
plt.legend()

plt.grid()
plt.show()
```


In [42]:
```
df = data1.query("년도 == 2021")
sns.distplot(df.사망자수, label = 'Death');

plt.title('COVID-19 Deaths in Bupyeong-gu, Incheon')

plt.legend()

plt.grid()
plt.show()
```

```
C:\Anaconda3\lib\site-packages\seaborn\distributions.py:2619: FutureWarning: `distpl
ot` is a deprecated function and will be removed in a future version. Please adapt y
our code to use either `displot` (a figure-level function with similar flexibility)
or `histplot` (an axes-level function for histograms).
  warnings.warn(msg, FutureWarning)
C:\Anaconda3\lib\site-packages\IPython\core\pylabtools.py:151: UserWarning: Glyph 49
324 (\N{HANGUL SYLLABLE SA}) missing from current font.
  fig.canvas.print_figure(bytes_io, **kw)
C:\Anaconda3\lib\site-packages\IPython\core\pylabtools.py:151: UserWarning: Glyph 47
581 (\N{HANGUL SYLLABLE MANG}) missing from current font.
  fig.canvas.print_figure(bytes_io, **kw)
C:\Anaconda3\lib\site-packages\IPython\core\pylabtools.py:151: UserWarning: Glyph 51
088 (\N{HANGUL SYLLABLE JA}) missing from current font.
  fig.canvas.print_figure(bytes_io, **kw)
C:\Anaconda3\lib\site-packages\IPython\core\pylabtools.py:151: UserWarning: Glyph 49
688 (\N{HANGUL SYLLABLE SU}) missing from current font.
  fig.canvas.print_figure(bytes_io, **kw)
```
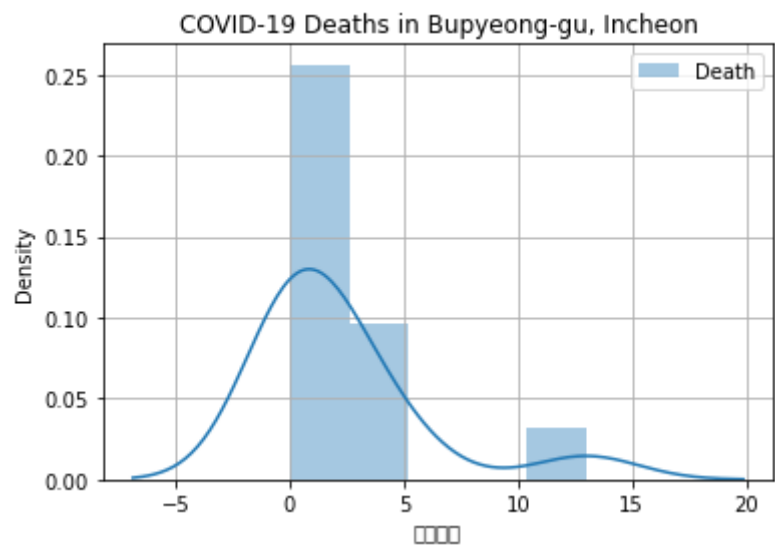
COVID-19 Deaths in Bupyeong-gu, Incheon

In [ ]: