

```
import pandas as pd
import numpy as np
import plotly.express as px
import plotly.graph_objs as go
import plotly.offline as pyo
import seaborn as sns
import matplotlib.pyplot as plt
import cufflinks as cf
```

👤 /usr/local/lib/python3.6/dist-packages/statsmodels/tools/_testing.py:19: FutureWarning:
pandas.util.testing is deprecated. Use the functions in the public API at pandas.testing inst

```
investment = pd.read_excel("/content/감염병R&D.xlsx")
investment.head(3)
```

	년도	정부총RnD	감염병RnD	증감율
0	2011	14.9	1314.0	5.479452
1	2012	15.9	1386.0	6.926407
2	2013	16.9	1482.0	21.774629

▼ 정부 감염병 R&D 총 투자액 추이

```
trace = go.Scatter(x = investment['년도'], y = investment['감염병RnD'], mode = 'lines+markers', name = '감염병RnD')
data = [trace]
pyo.iplot(data)
```



