```
#Data Visualization Using Python Essentials | Day 3 | LetsUpgrade
#assignment day 3
#fmri datset
#relplot
#boxplot
#lineplot
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import matplotlib.pyplot as plt
import pandas as pd
import numpy as np
%matplotlib inline
import seaborn as sns
from numpy.random import randn


fmri=sns.load_dataset('fmri')


fmri.head()
```

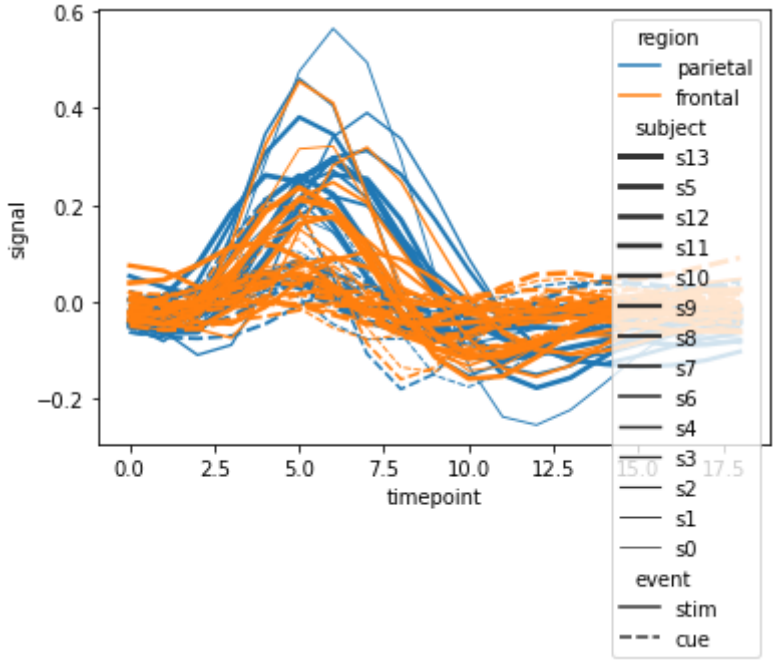
	subject	timepoint	event	region	signal
0	s13	18	stim	parietal	-0.017552
1	s5	14	stim	parietal	-0.080883
2	s12	18	stim	parietal	-0.081033
3	s11	18	stim	parietal	-0.046134
4	s10	18	stim	parietal	-0.037970

```
sns.relplot(x = 'timepoint', y = 'signal', data = fmri , hue = 'region', style = 'event',
```

```
<seaborn.axisgrid.FacetGrid at 0x7f3636c02bd0>
```

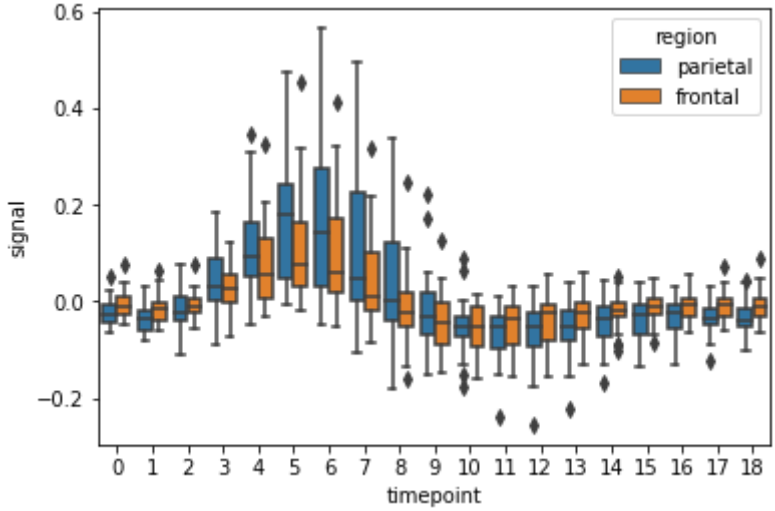

```
sns.lineplot(x = 'timepoint', y = 'signal', data = fmri , hue = 'region', style = 'event',
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f36362141d0>
```



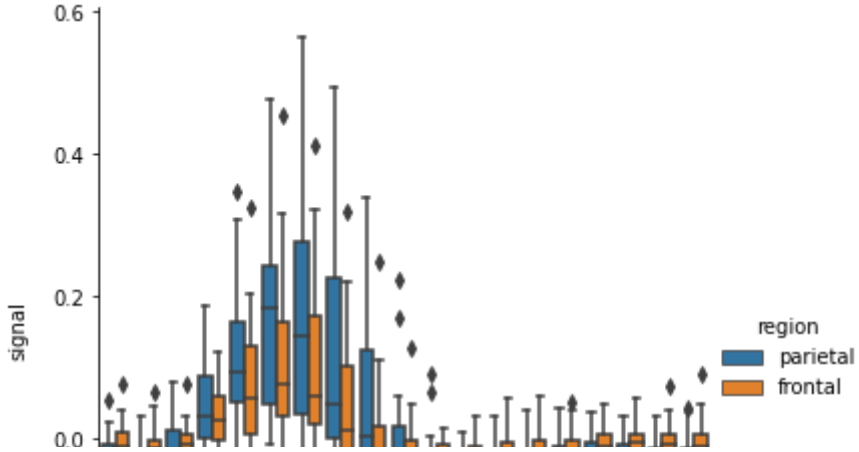

```
sns.boxplot(x = 'timepoint', y = 'signal', data = fmri , hue = 'region')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f3635f25c10>
```



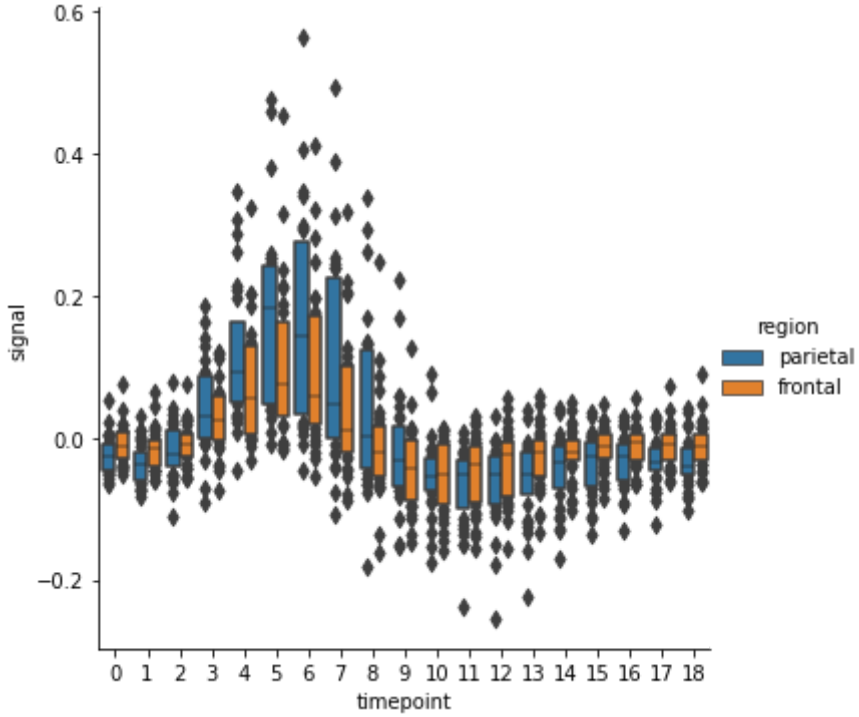

```
sns.catplot(x = 'timepoint', y = 'signal', data = fmri , hue = 'region',kind="box")
```

```
<seaborn.axisgrid.FacetGrid at 0x7f3635bccbd0>
```




```
sns.catplot(x = 'timepoint', y = 'signal', data = fmri , hue = 'region',kind="boxen")
```

```
<seaborn.axisgrid.FacetGrid at 0x7f3635794150>
```



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