

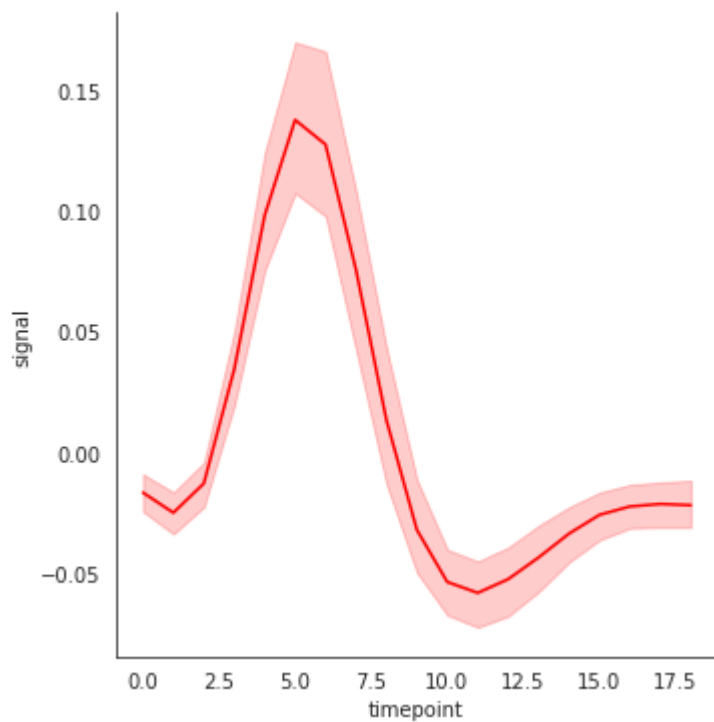
```
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
```

```
fmri = sns.load_dataset('fmri')
fmri.head()
```

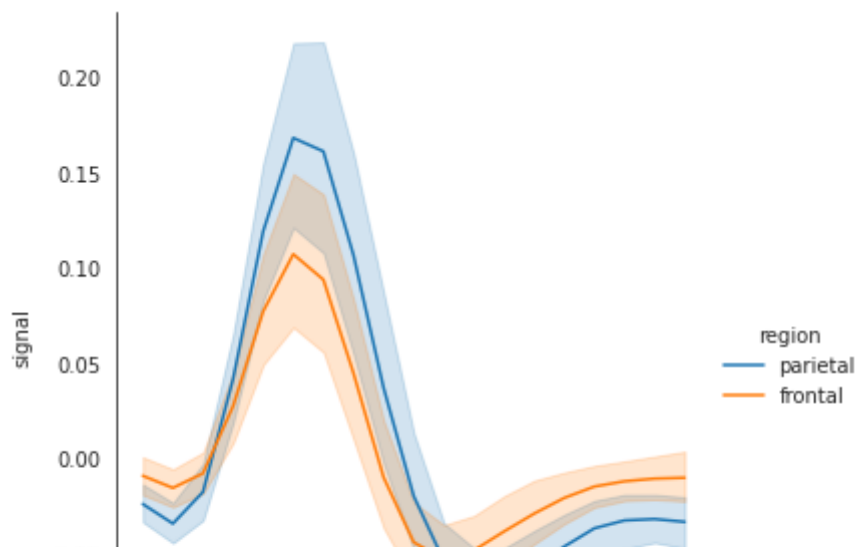
```
↗
```

| | 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 |

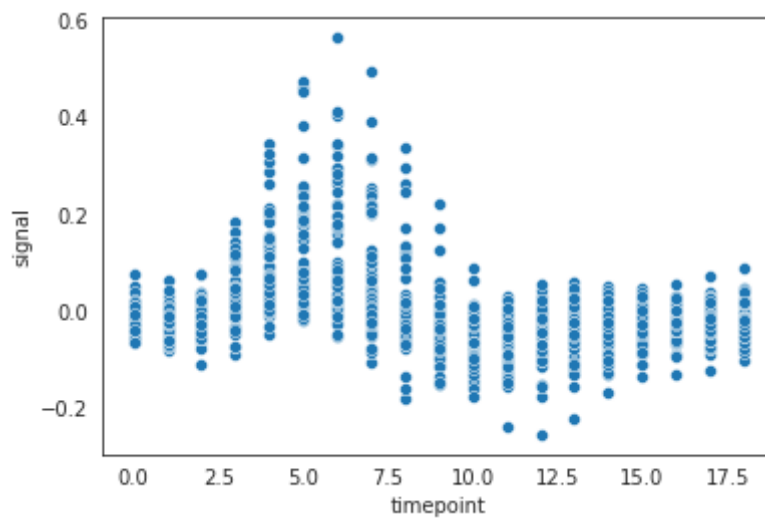
```
sns.relplot(x = 'timepoint', y = 'signal', kind = 'line' , data = fmri , color = 'red')
plt.show()
```



```
t(x = 'timepoint', y = 'signal', kind = 'line' , data = fmri , color = 'red' , hue = "region
```

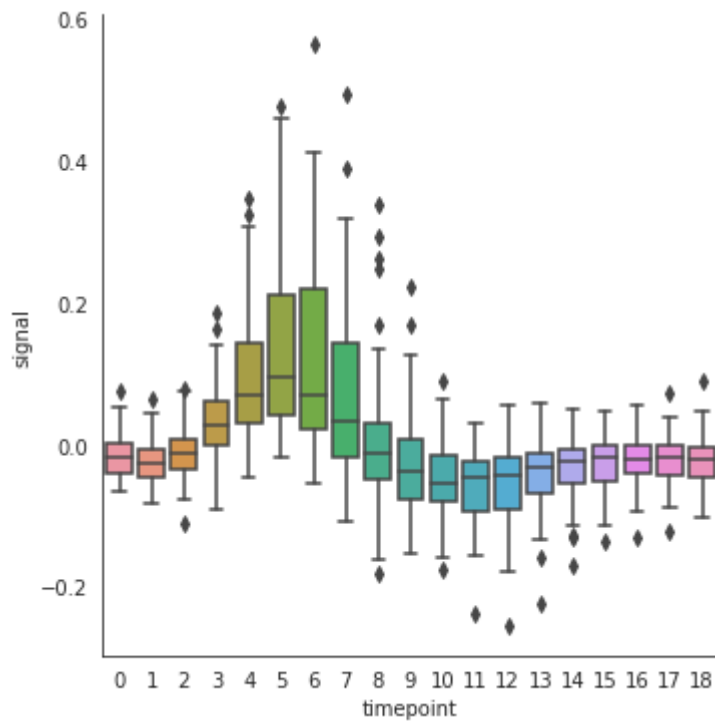


```
sns.scatterplot(x = 'timepoint', y = 'signal' , data = fmri)  
plt.show()
```



```
sns.catplot(x = 'timepoint', y = 'signal', data = fmri , color = 'y')  
plt.show()
```

```
sns.catplot(x = 'timepoint', y = 'signal', kind = 'box' , data = fmri)  
plt.show()
```



```
sns.catplot(x = 'timepoint', y = 'signal', kind = 'swarm' , data = fmri)
```

```

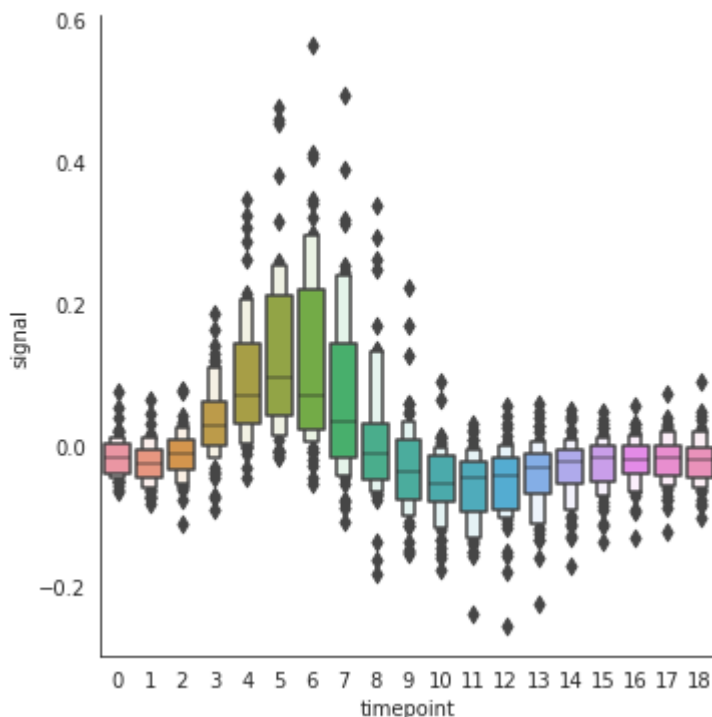
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 62.5
warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 64.3
warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 58.9
warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 44.6
warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 33.9
warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 30.4
warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 17.9
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warnings.warn(msg, UserWarning)
/usr/local/lib/python3.7/dist-packages/seaborn/categorical.py:1296: UserWarning: 50.6
warnings.warn(msg, UserWarning)

```

```

sns.catplot(x = 'timepoint', y = 'signal', kind = 'boxen' , data = fmri)
plt.show()

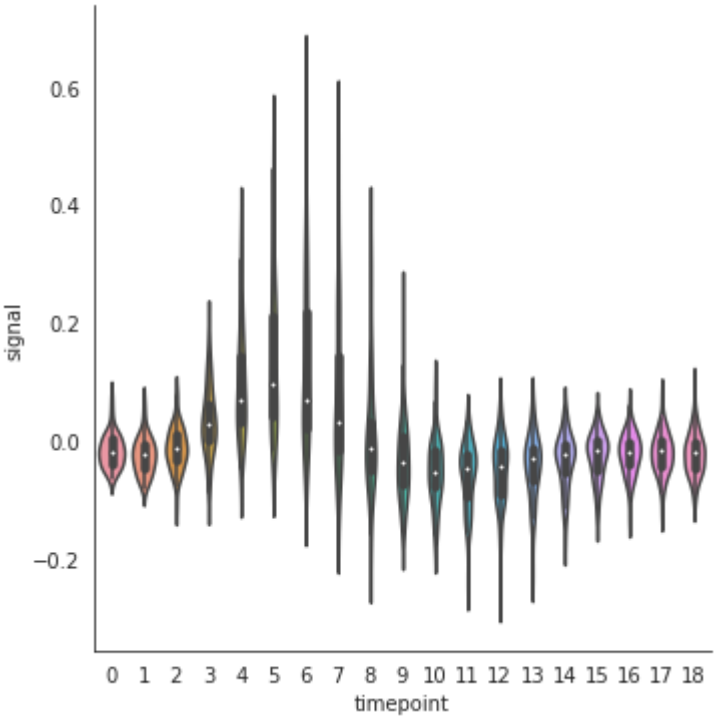
```



```

sns.catplot(x = 'timepoint', y = 'signal', kind = 'violin' , data = fmri )
plt.show()

```



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