```
from __future__ import absolute_import, division, print_function, unicode_literal
import tensorflow as tf

import matplotlib as mpl
import matplotlib.pyplot as plt
import numpy as np
import os
import pandas as pd

mpl.rcParams['figure.figsize'] = (15, 4)
mpl.rcParams['axes.grid'] = False


data = pd.read_csv('/content/drive/My Drive/preprocessed_data.csv').fillna(0)
data['point_timestamp_yyyymmdd_hh_mm'] = pd.to_datetime(data['point_timestamp_yyy
data = data.set_index('point_timestamp_yyyymmdd_hh_mm')
data = data.drop(columns=['timezone_offset_x'])
data.columns = ['point_value', 'heart_rate_value']
data.head()
```

point_timestamp_yyyymmdd_hh_mm	point_value	heart_rate_value
2017-05-15 07:51:00	142	88.12259
2017-05-15 07:52:00	142	88.12259
2017-05-15 07:53:00	142	88.12259
2017-05-15 07:54:00	142	88.12259
2017-05-15 07:55:00	142	88.12259

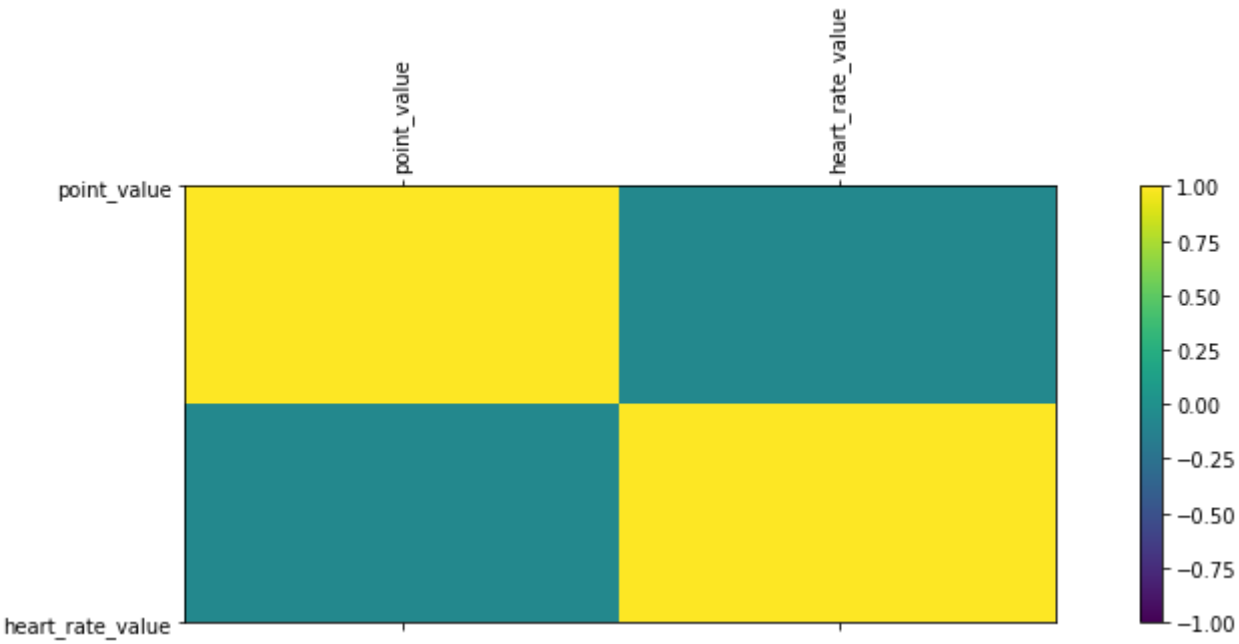
```
from google.colab import drive
drive.mount('/content/drive')
```

```
Go to this URL in a browser: https://accounts.google.com/o/oauth2/auth?client_

Enter your authorization code:
··········
Mounted at /content/drive
```

```
corr = data.corr()
corr
fig = plt.figure()
ax = fig.add_subplot(111)
cax = ax.matshow(corr, vmin=-1, vmax=1)
fig.colorbar(cax)
ticks = np.arange(0,len(data.columns),1)
ax.set_xticks(ticks)
plt.xticks(rotation=90)
ax.set_yticks(ticks)
ax.set_xticklabels(data.columns)
```

```
ax.set_yticklabels(data.columns)
plt.show()
```




```
features_considered = ['point_value', 'heart_rate_value']
features = data[features_considered]
features.plot(subplots=True)
```

```
array([<matplotlib.axes._subplots.AxesSubplot object at 0x7f95cc086588>,
       <matplotlib.axes._subplots.AxesSubplot object at 0x7f95cb8a12e8>],
      dtype=object)
```