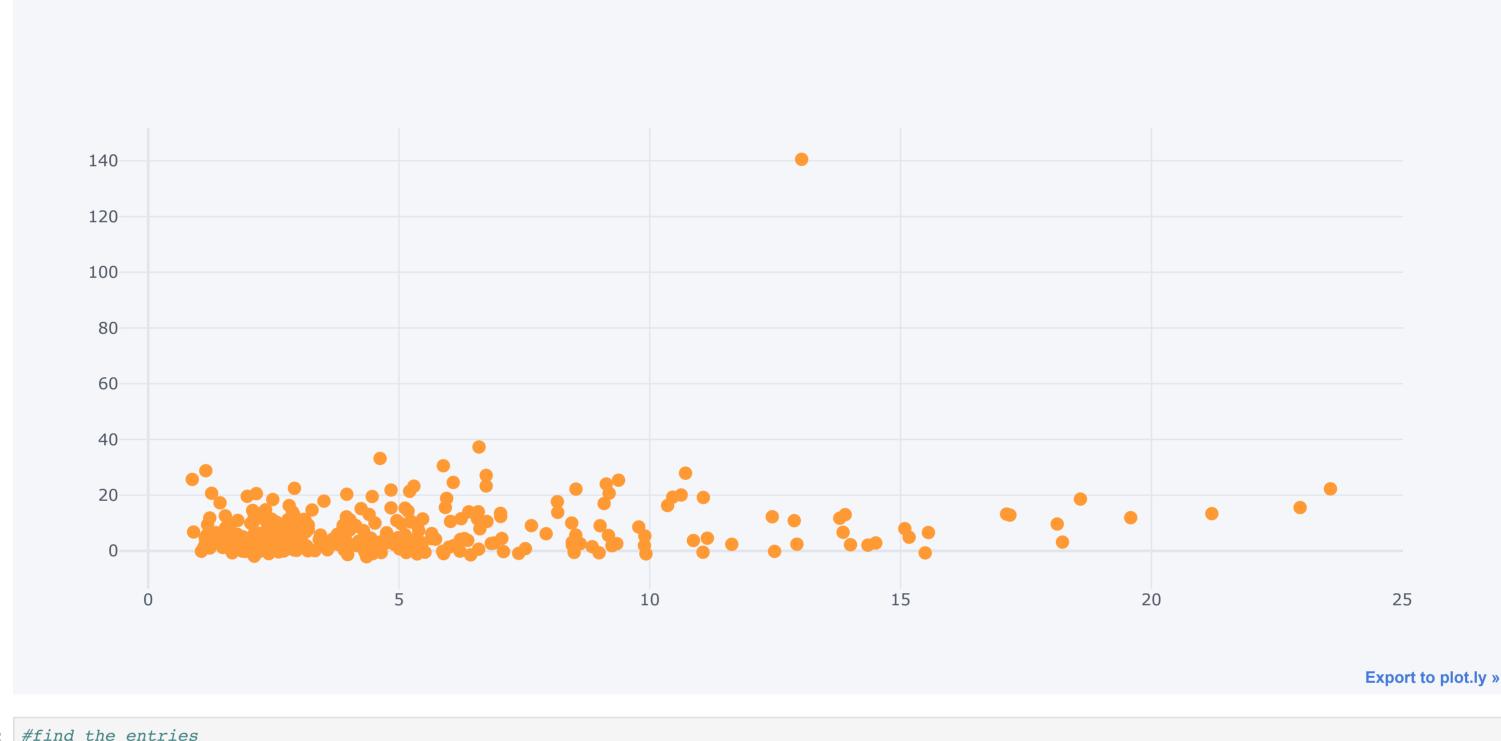
```
import glob
In [1]:
          import pandas as pd
          from pandas import read csv
          import ipywidgets as widgets
          from ipywidgets import interact, interact manual
          import plotly.express as px
          import plotly.graph_objects as go
          import os
          from IPython.display import display, Image
          import numpy as np
 In [2]: # get data file names
          #path =r'/Users/cindymendoncapaez/opt/anaconda3/lib/python3.8/site-packages/folium/finance project/Breakout US stocks'
          path = r'C:\Users\baszo\Desktop\Breakout US stocks\A'
          filenames = glob.glob(path + "/*.csv")
         dfs = []
          for filename in filenames:
              dfs.append(pd.read csv(filename))
          # Concatenate all data into one DataFrame
         big frame = pd.concat(dfs, ignore_index=True)
         #set the column names
 In [3]:
          big frame.columns = ['time', 'open', 'high', 'low', 'close', 'MA50', 'MA20', 'MA10', 'ADR', 'DV M', 'MA20 DV M', 'entry/exit']
         big frame
Out[3]:
                                                                                   MA50
                                                                                               MA20
                                                                                                                    ADR
                                                                                                                              DV M MA20 DV M entry/exit
                                    time
                                            open
                                                      high
                                                               low
                                                                        close
                                                                                                          MA10
               0 2014-04-16T15:30:00+02:00
                                                                                                                           0.124528
                                            1.32
                                                     1.3297
                                                              1.270
                                                                       1.2900
                                                                                 1.526000
                                                                                             1.398500
                                                                                                        1.40402 4.946169
                                                                                                                                      0.160346
                                                                                                                                                    NaN
               1 2014-04-17T15:30:00+02:00
                                                                                                        1.40302 5.228300
                                            1.34
                                                    1.4400
                                                              1.320
                                                                       1.3700
                                                                                 1.524400
                                                                                             1.393000
                                                                                                                           0.266812
                                                                                                                                      0.167653
                                                                                                                                                   NaN
               2 2014-04-21T15:30:00+02:00
                                            1.37
                                                    1.3900
                                                              1.340
                                                                       1.3637
                                                                                 1.523074
                                                                                             1.391185
                                                                                                        1.38939 4.950582
                                                                                                                           0.202221
                                                                                                                                      0.159332
                                                                                                                                                   NaN
               3 2014-04-22T15:30:00+02:00
                                            1.39
                                                    1.3900
                                                              1.350
                                                                                 1.519874
                                                                                                        1.38638 4.762909
                                                                                                                            0.111773
                                                                                                                                      0.143844
                                                                       1.3600
                                                                                             1.391185
                                                                                                                                                    NaN
               4 2014-04-23T15:30:00+02:00
                                            1.33
                                                     1.4100
                                                              1.330
                                                                       1.3900
                                                                                 1.512874
                                                                                             1.392185
                                                                                                        1.37538 4.838097
                                                                                                                           0.110897
                                                                                                                                      0.143069
                                                                                                                                                   NaN
                                                                                                                                                     • • •
          285934
                  2021-12-08T15:30:00+01:00
                                          2013.76 2019.9650 1940.600
                                                                    1988.8600
                                                                              1803.385200
                                                                                          1880.377000
                                                                                                     1875.55300
                                                                                                                2.231629
                                                                                                                         497.250916
                                                                                                                                    300.128051
                                                                                                                                                   NaN
                                                                              1807.961800
                                         1978.23 2008.2400
                                                           1951.860
                                                                    1965.8300
                                                                                          1884.597500
                                                                                                     1886.63100 2.283983
                                                                                                                          532.271101
          285935
                  2021-12-09T15:30:00+01:00
                                                                                                                                    308.351072
                                                                                                                                                    NaN
          285936
                  2021-12-10T15:30:00+01:00 1975.79 2006.6700 1958.950 2003.0200 1814.062400
                                                                                         1890.404000 1905.51500 2.331454 319.769752
                                                                                                                                    312.102683
                                                                                                                                                   NaN
          285937
                  2021-12-13T15:30:00+01:00 2001.38 2001.3900
                                                          1963.630
                                                                    1986.1000 1820.338800
                                                                                         1895.397500 1920.25600
                                                                                                                2.362024 336.616320
                                                                                                                                    317.529991
                                                                                                                                                   NaN
                  2021-12-14T15:30:00+01:00 1982.98
                                                  2011.2100 1971.075 1986.5000 1827.218600 1899.130500 1937.19900 2.370320
                                                                                                                                                   NaN
          285938
                                                                                                                          87.654075
                                                                                                                                    307.330713
         285939 rows × 12 columns
In [11]: #file=os.listdir(csv directory)):
          #tickers = pd.read csv(path+file, sep = ',')
          combined_data = big_frame
          #combined_data.columns = ['time', 'open', 'high', 'low', 'close', 'MA50', 'MA20', 'MA10', 'ADR', 'DV M', 'MA20 DV M', 'entry/exit']
          #days high = tickers["high"]
          #days low = tickers["low"]
          #days close = tickers["close"]
          combined data = combined data[combined data['entry/exit'].isin(["entry","exit"])]
          combined data['entry price'] = np.NaN
          combined_data['exit_price'] = np.NaN
          combined data['profit'] = np.NaN
          combined data['risk'] = np.NaN
          combined data['R'] = np.NaN
          combined_data.loc[combined_data['entry/exit'].isin(["entry"]), 'entry_price'] = (combined_data['low'] + combined_data['high']) /2
          combined_data.loc[combined_data['entry/exit'].isin(["exit"]), 'exit_price'] = combined_data['close']
          combined data['entry price'] = combined data['entry price'].fillna(method='ffill')
          combined data.loc[combined data['entry/exit'].isin(["exit"]), 'profit'] = combined data['exit price']-combined data['entry price']
          combined_data.loc[combined_data['entry/exit'].isin(["entry"]),'risk'] = combined_data['entry_price']-combined_data['low']
          combined_data['risk'] = combined_data['risk'].fillna(method='ffill')
          combined_data.loc[combined_data['entry/exit'].isin(["exit"]), 'R'] = combined_data['profit']/combined_data['risk']
          from plotly import __version__
          from plotly.offline import download plotlyjs, init notebook mode, plot, iplot
          import cufflinks as cf
          cf.go offline()
          combined data.drop(combined data[combined data['entry/exit'] == 'entry'].index, inplace=True)
          combined data.iplot(kind='scatter', x='ADR', y='R', mode='markers', size=10)
         <ipython-input-11-66d8a0ee39ef>:9: SettingWithCopyWarning:
         A value is trying to be set on a copy of a slice from a DataFrame.
         Try using .loc[row indexer,col indexer] = value instead
         See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
         <ipython-input-11-66d8a0ee39ef>:10: SettingWithCopyWarning:
         A value is trying to be set on a copy of a slice from a DataFrame.
         Try using .loc[row_indexer,col_indexer] = value instead
         See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user guide/indexing.html#returning-a-view-versus-a-copy
         <ipython-input-11-66d8a0ee39ef>:11: SettingWithCopyWarning:
         A value is trying to be set on a copy of a slice from a DataFrame.
         Try using .loc[row indexer,col indexer] = value instead
         See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
         <ipython-input-11-66d8a0ee39ef>:12: SettingWithCopyWarning:
         A value is trying to be set on a copy of a slice from a DataFrame.
         Try using .loc[row indexer,col indexer] = value instead
         See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
         <ipython-input-11-66d8a0ee39ef>:13: SettingWithCopyWarning:
         A value is trying to be set on a copy of a slice from a DataFrame.
         Try using .loc[row indexer,col indexer] = value instead
         See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user guide/indexing.html#returning-a-view-versus-a-copy
         C:\Users\baszo\anaconda3\lib\site-packages\pandas\core\indexing.py:966: SettingWithCopyWarning:
         A value is trying to be set on a copy of a slice from a DataFrame.
         Try using .loc[row_indexer,col_indexer] = value instead
         See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
```



See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user guide/indexing.html#returning-a-view-versus-a-copy

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<ipython-input-11-66d8a0ee39ef>:16: SettingWithCopyWarning:

<ipython-input-11-66d8a0ee39ef>:19: SettingWithCopyWarning:

Try using .loc[row_indexer,col_indexer] = value instead

Try using .loc[row indexer,col indexer] = value instead

fig.add_trace(go.Bar(

xperiod="M1",

))

fig.show()

name="Middle-aligned",

xperiodalignment="middle"

x=df["time"], y=df["entry/exit"],

def display time series(param = tickers):

fig = px.line(tickers, x=tickers['time'], y=param)

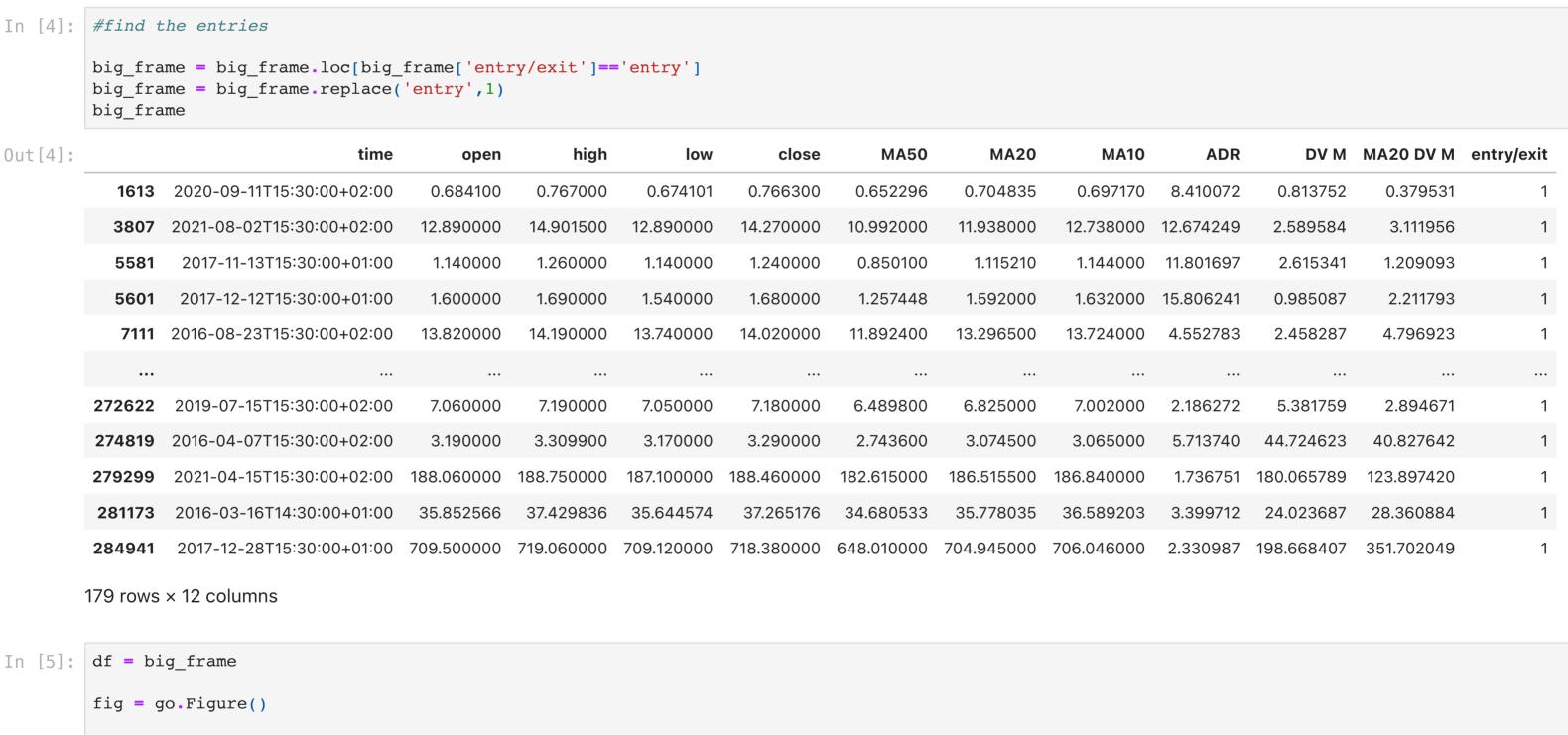
list code = os.listdir(path)

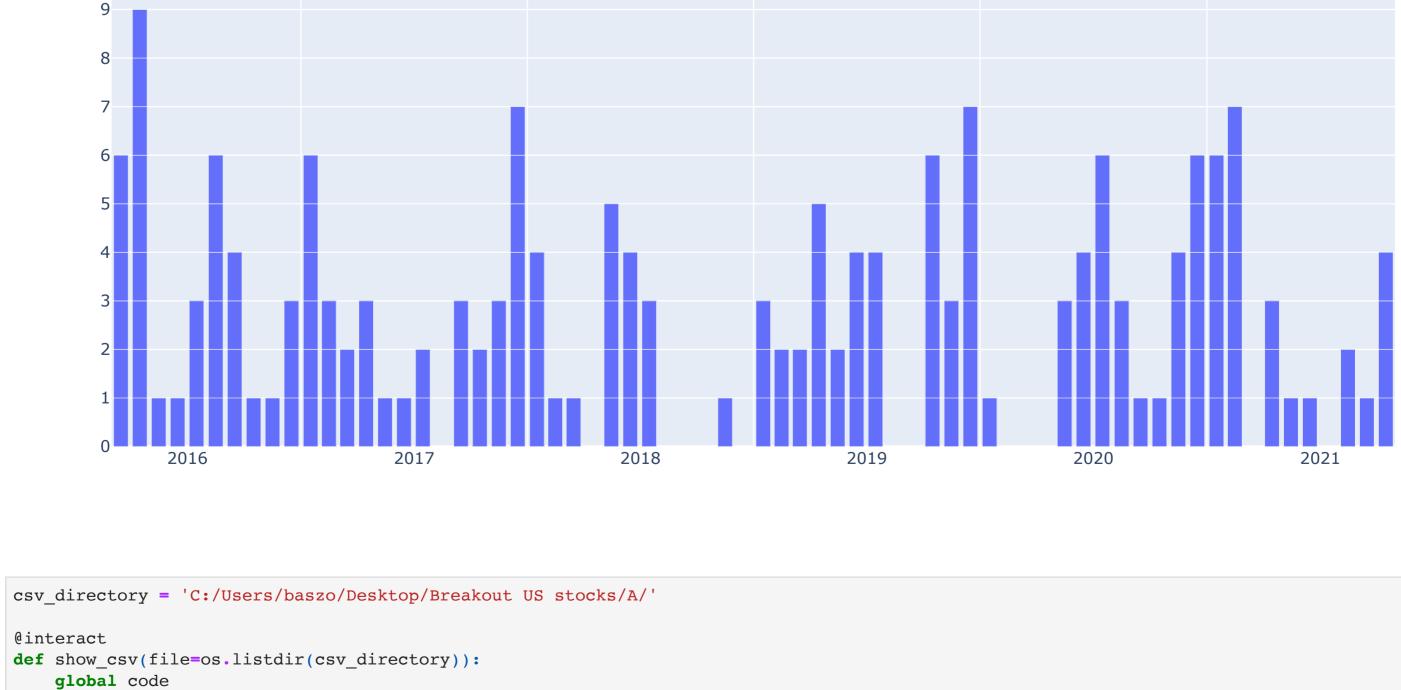
fig.show()

fig.update_xaxes(showgrid=True, ticklabelmode="period")

A value is trying to be set on a copy of a slice from a DataFrame.

A value is trying to be set on a copy of a slice from a DataFrame.





```
@interact
         def show csv(file=os.listdir(csv directory)):
             global code
             display(pd.read csv(csv directory+file, sep = ','))
             code = file.split('.csv')[0]
         fdir = 'C:/Users/baszo/Desktop/Breakout US stocks/A/images/'
         @interact
         def show images(ticker name = code):
             list code = os.listdir(fdir)
             list_match = [x for x in list_code if x.startswith(ticker_name + '_')]
             for file in list match:
                  display(Image(fdir+file))
         interactive(children=(Dropdown(description='file', options=('BATS_AAU, 1D_e000d.csv', 'BATS_ACY, 1D_ff128.csv'...
         interactive(children=(Text(value='BATS_AAU, 1D_e000d', description='ticker_name'), Output()), _dom_classes=('w...
In [13]: path = 'C:/Users/baszo/Desktop/Breakout US stocks/A/'
         @interact
         def show csv(file=os.listdir(path)):
             global tickers
             tickers = pd.read csv(path+file, sep = ',')
             code = file.split('.csv')[0]
         @interact
```

interactive(children=(Dropdown(description='file', options=('BATS_AAU, 1D_e000d.csv', 'BATS_ACY, 1D_ff128.csv'...

elementwise comparison failed; returning scalar instead, but in the future will perform elementwise comparison

interactive(children=(Dropdown(description='param', options=('time', 'open', 'high', 'low', 'close', 'MA', 'MA...

C:\Users\baszo\anaconda3\lib\site-packages\pandas\core\ops\array ops.py:253: FutureWarning: