Plotly Live Graph

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In [1]: import dash
            from dash.dependencies import Output, Input
            import dash_core_components as dcc
            import dash_html_components as html
            import plotly
            import random
            import plotly.graph_objs as go
            from collections import deque
            import time
            import psutil
In [2]: X = deque(maxlen = 20)
            X.append(1)
            Y = deque(maxlen = 20)
            Y.append(1)
            app = dash.Dash(\underline{\quad name}\underline{\quad })
            app.layout = html.Div(
                      dcc.Graph(id = 'live-graph', animate = True),
                      dcc.Interval(
                            id = 'graph-update',
                           interval = 1000,
                            n_intervals = 0
            @app.callback(
                 Output('live-graph', 'figure'),
                 [ Input('graph-update', 'n_intervals') ]
            def update_graph_scatter(n):
                 X.append(X[-1]+1)
                 Y.append(Y[-1]+Y[-1] * random.uniform(-0.1,0.1))
                  data = plotly.graph_objs.Scatter(
                            x=list(X),
                            y=list(Y),
                            name='Scatter',
                            mode= 'lines+markers'
                 return {'data': [data],
                            'layout' : go.Layout(xaxis=dict(range=[min(X),max(X)]),yaxis = dict(range = [min(Y),max(Y)]),)}
            if __name__ == '__main__':
                      app.run_server()
           Dash is running on http://127.0.0.1:8050/
            * Serving Flask app "__main__" (lazy loading)
            * Environment: production
              WARNING: This is a development server. Do not use it in a production deployment.
              Use a production WSGI server instead.
             * Debug mode: off
            * Running on http://127.0.0.1:8050/ (Press CTRL+C to quit)
           127.0.0.1 - - [08/Jul/2021 09:48:01] "GET / HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:01] "GET /_dash-layout HTTP/1.1" 200 -
           127.0.0.1 - - [08/Jul/2021 09:48:01] "GET /_dash-dependencies HTTP/1.1" 200 -
           127.0.0.1 - - [08/Jul/2021 09:48:01] "POST /_dash-update-component HTTP/1.1" 200 -
          127.0.0.1 - - [08/Jul/2021 09:48:02] "POST /_dash-update-component HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:03] "POST /_dash-update-component HTTP/1.1" 200 -
          127.0.0.1 - - [08/Jul/2021 09:48:04] "POST /_dash-update-component HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:05] "POST /_dash-update-component HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:06] "POST /_dash-update-component HTTP/1.1" 200 -
           127.0.0.1 - - [08/Jul/2021 09:48:07] "POST /_dash-update-component HTTP/1.1" 200 -
          127.0.0.1 - - [08/Jul/2021 09:48:10] "POST /_dash-update-component HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:10] "POST /_dash-update-component HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:12] "POST /_dash-update-component HTTP/1.1" 200 - 127.0.0.1 - - [08/Jul/2021 09:48:12] "POST /_dash-update-component HTTP/1.1" 200 -
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