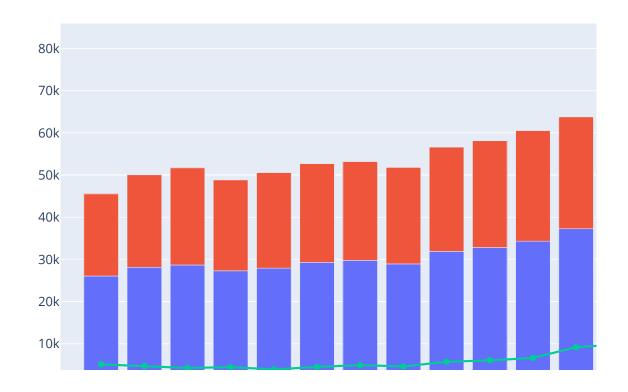
```
In [1]: import yfinance as yf
        import pandas as pd
        %matplotlib inline
        import chart studio
        import chart studio.plotly as py
        chart studio.tools.set credentials file(username='vkinvest', api key='
        import plotly.graph_objs as go
In [2]: | df = pd.read_excel ('/Users/vl/Desktop/python/1 python for finance 2/v
In [3]: pl = df.loc[ df["Data provided by SimFin"]=='Profit & Loss statement']
        pl
Out[3]: 1
In [4]: cf = df.loc[df['Data provided by SimFin'] == 'Cash Flow statement'].ind
        cf
Out[4]: 84
In [5]: bs = df.loc[df['Data provided by SimFin'] == 'Balance Sheet'].index[0]
        bs
Out[5]: 30
In [6]: |pl = df.iloc[2:29, 1:]
        pl.columns = pl.iloc[0]
        pl.set index('in million USD', inplace = True)
        pl.fillna(0,inplace=True)
        pl = pl[1:]
In [7]: #remember to do pl.T to transpose pl
        # for pl['Total revenues'].plot()
In [8]: bs = df.iloc[31:85, 1:]
        bs.columns = bs.iloc[0]
        bs.set_index('in million USD', inplace = True)
        bs.fillna(0,inplace=True)
        bs = bs[1:]
        bs = bs.T
In [9]: | cf = df.iloc[85:, 1:]
        cf.columns = cf.iloc[0]
        cf.set_index('in million USD', inplace = True)
        cf.fillna(0,inplace=True)
        cf = cf[1:]
```

```
In [10]: pl.to_csv ('TSLA Q_pl.csv')
         bs.to_csv ('TSLA Q_bs.csv')
         cf.to_csv ('TSLA Q_cf.csv')
In [11]: |assets = go.Bar(
             x =bs.index,
             y =bs['Total assets'],
             name = 'Total assets'
         )
         liabilities = go.Bar(
             x =bs.index,
             y =bs['Total liabilities'],
             name ='Total liabilities'
         )
         stockholders_equity = go.Scatter(
             x =bs.index,
             y =bs["Total stockholders' equity"],
             name = "Total stockholder' equity"
         )
         data = [assets,liabilities,stockholders_equity]
         layout = go.Layout(barmode="stack")
         fig_bs = go.Figure(data=data, layout=layout)
         py.iplot(fig_bs, filename='')
```

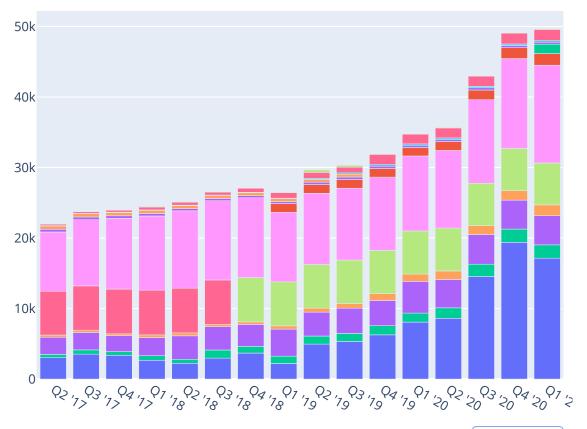
## Out[11]:



**EDIT CHART** 

```
In [12]: | asset_iterm = '''
         Cash and cash equivalents
         Restricted cash
         Accounts receivable
         Inventory
         Prepaid expenses and other current assets
         Operating lease vehicles, net
         Operating lease, net, Solar Energy Systems
         Solar energy systems, net
         Property, plant and equipment, net
         Operating lease vehicles, net
         Restricted cash
         Operating lease right-of-use assets
         Digital assets, net
         Intangible assets, net
         MyPower customer notes receivable, net of current portion
         Goodwill
         Other assets
         Restricted cash, net of current portion
         1.1.1
         # orgenize lists
         assets_columns = [x for x in asset_iterm.strip().split('\n')]
         assets columns
Out[12]: ['Cash and cash equivalents',
          'Restricted cash',
          'Accounts receivable',
          'Inventory',
          'Prepaid expenses and other current assets',
          'Operating lease vehicles, net',
          'Operating lease, net, Solar Energy Systems',
          'Solar energy systems, net',
          'Property, plant and equipment, net',
           'Operating lease vehicles, net',
          'Restricted cash',
          'Operating lease right-of-use assets',
          'Digital assets, net',
          'Intangible assets, net',
          'MyPower customer notes receivable, net of current portion',
          'Goodwill',
          'Other assets',
          'Restricted cash, net of current portion']
In [13]: # one way to a chart, not the best
         # bs[assets_columns].plot()
```

## Out [14]:



EDIT CHART