**Dash Bootstrap**

**Getting Started:**

1. Installation
   1. pip install dash-bootstrap-components
   2. OR, conda install -c conda-forge dash-bootstrap-components
2. Link a stylesheet to your Dash app and include Bootstrap Component in your app layout, like below:
   1. If using .py file:

import dash

import dash\_bootstrap\_components as dbc

import dash\_html\_components as html

app = dash.Dash(\_\_name\_\_, external\_stylesheets=[dbc.themes.BOOTSTRAP])

app.layout = html.Div(

dbc.Button("Success", color="success", className="mr-1")

)

if \_\_name\_\_ == "\_\_main\_\_":

app.run\_server()

* 1. If using .ipynb (jupyterDash using JupyterLab)

from jupyter\_dash import JupyterDash

import dash\_bootstrap\_components as dbc

import dash\_html\_components as html

app = JupyterDash(\_\_name\_\_, external\_stylesheets=[dbc.themes.BOOTSTRAP])

app.layout = html.Div(

[dbc.Button("Success", color="success", className="mr-1")]

)

app.run\_server(mode='inline')

**Themes:**

Defulat theme: <https://www.bootstrapcdn.com/>

Other Themes: <https://bootswatch.com/>

If you prefer to have the theme file locally because you want to make changes to it or have a firewall, do this:

1. Choose a theme in <https://bootswatch.com/>
2. Click on upper right tab and click on bootstrap.min.css to download
3. Place your downloaded css file inside your assets folder
4. Now you can run your app without defining external\_stylesheets

**Layout Introduction:**

1. Columns go inside Rows, so define Rows first!
2. Define column width (page always has 12 columns):
   1. Columns will expand to fit space on page if width is not defined.
   2. width=3 means ¼ of a page; width=6 means ½ of a page
   3. width also has a dictionary of key-value: size=1…12, True, ‘auto’; offset=1…12; order=1…12, ‘first’, ‘last’;
   4. you can also control width for screen sizes: xs, sm, md, lg, and xl
      1. lg=9 means that for ‘large’ or bigger screens, the component would take 9 columns (3/4 of screen). But if we also define width=3, when screen is smaller than ‘large’, the component would take 3 columns (1/4 of screen)

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**If this was helpful…**

I’m asking my viewers to support my Dash Plotly educational channel. A growing number of viewers are looking for high quality, professional content on Dash, which is hard to find. I am trying to fill that gap.

I believe that anyone working with data can benefit from knowing Dash Plotly, which is why I take the complex parts of Dash and break them down into bite-size tutorials for everyone to have.

My goal is to make this a sustainable project for myself and my viewers, so if you appreciate my channel and are able support its existence, I would be grateful to you.

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