Deploy Flask Dash App to Heroku in Python

1. Sign up for account on Heroku
2. Create your App name (this will be part of the url)
3. Download and install Heroku CLI (allow you to create and manage your Heroku apps directly from the terminal)
4. Create new project in Pycharm (where your app code and files will be located)
    a. Choose new environment using Virtualenv
    b. Select a python Base interpreter (no need to check the boxes under interpreter
5. Create a new .py file to start writing the code for your app. If you already created the code for your app, copy those files into your new project folder.
6. Inside your app's file, under "app = dash.Dash(__name__)", add this line: server = app.server
7. Open terminal, and cd into your project folder if necessary
8. Pip install any libraries and specific versions your app needs. My app uses the following (install any version you want):
    a. pip install numpy==1.18.1
    b. pip install pandas==1.0.0
    c. pip install plotly==4.8.0
    d. pip install dash==1.12.0
    e. pip install gunicorn==20.0.4 (needed to run app on heroku)
9. Create .gitignore file inside your project folder (tells Git which files or folders to ignore in a project) and add these lines into it:
    a. venv *.pyc .env .DS_Store (4 separate lines)
10. Create a Procfile inside same folder and add this line inside:
    a. web: gunicorn YourAppFileWithout.py:server
11. Create requirements. Go back to terminal, cd to project folder if necessary, and type:
    a. pip freeze > requirements.txt
12. Inside terminal, type the following- heroku login
13. Then type- git init (don't forget to ensure you have git installed)
14. heroku git:remote -a AppNameFromStep2
15. git add .
16. git commit -am "initial launch"

17. git push heroku master

Since you're here...

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. Become my supporter at: https://www.patreon.com/charmingdata