**Deploying 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)
   1. Choose new environment using Virtualenv
   2. 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

app = dash.Dash(\_\_name\_\_)  
server = app.server

1. Open terminal, and cd into your project folder if necessary
2. Pip install any libraries and specific versions your app requires.
   * pip install numpy
   * pip install pandas
   * pip install plotly
   * pip install dash
   * pip install gunicorn
3. Create .gitignore file inside your project folder (tells Git which files or folders to ignore in a project) and add these lines into it:

venv  
\*.pyc  
.env  
.DS\_Store

1. Create a Procfile inside same folder and add this line inside:

web: gunicorn YourAppFileWithout.py:server

web: gunicorn world\_covid\_analysis:server

1. Create requirements. Go back to terminal, cd to project folder if necessary, and type:

pip freeze > requirements.txt

1. Inside terminal, type the following- heroku login
2. Then type- git init
3. heroku git: remote -a AppNameFromStep2
4. git add .
5. git commit -am "initial launch"
6. git push heroku master