requirements.txt hosted with by GitHub view raw Getting the package versions to work on Heroku can be a little tricky, but the packages and versions above work for me. Important: Heroku limits the size of your build to be 500 MB, which can fill up easily given the size of the Tensorflow package. I suggest using the Tensorflow 2.0.0 library, which is smaller than some of other versions of the library.

If you want to test the script locally (which you should!),

run from a Terminal: pip install -r requirements.txt

to install the dependencies, and then python app.py to

interface is running on localhost: 7860 (or another port),

This URL is locally accessible. How do we share this with

the world? Gradio comes with a built-in share parameter

certain amount of time. To create permanent public links,

To deploy your web app on Heroku, you'll need to have a

Heroku account, and it's very convenient to have the

Heroku CLI as well. So go ahead and create a Heroku

account and download the CLI, if you haven't done that

In order to deploy our app correctly on Heroku, we need

commands below do that, so put them inside a file called

view raw

to make sure it's served on the right URL & port. The

What's happening here is that we're telling Gradio to

that the Heroku dyno makes visible to the world.

serve the UI on 0.0.0.0, and specifically using the port

Now, we're going to create a file called **Procfile** (that's it,

there's no extension for this file!) whose job it is to tell

Heroku what commands to run to start the Gradio app.

There are only two commands: to run the bash script we

created in the previous step, and then to launch our app.

So our Heroku **Procfile** looks like this:

setup.sh in the same directory as your app.

export GRADIO\_SERVER\_NAME=0.0.0.0

export GRADIO SERVER PORT="\$PORT"

setup.sh hosted with \(\varphi\) by GitHub

Step 4: Create a Procfile

that can create public URLs, but those expire after a

launch the UI. At this point, you should see that your

which if you navigate to in your browser should show

your GUI!

already.

we'll be using Heroku!

The Heroku Piece

Now, on to the deployment!

Step 3: Create a setup.sh file

web: source setup.sh && python app.py If you're wondering why we're using source instead of sh, it's because we need the environment variables to be saved after the script is finished executing. Step 5: Deploy! At this point, your directory should look like this: ြ app.py Procfile 🖆 requirements.txt setup.sh Just 4 files in 1 directory — super simple!

If you haven't already added these files to a git repo, do it

by running the following in your terminal:

git commit —am "commit message here"

allocate a Heroku dyno for our app by running:

We just need to push this to a Heroku dyno. First, let's

Heroku will automatically spin up and assign a random

name to your app. Now, we push our changes to Heroku:

Give this a few minutes to install all of the dependencies

on your dyno. It's possible to run into dependency issues

messages and installing the right version of each library

don't see any errors, then you should be able to open up

That last command will open up your default browser and

bring you to the app. You'll notice the web address is the

automatically generated instance name plus the Heroku

tiger cat

(see my note above about Heroku's size limits). If you

here, which you can resolve by reading the error

git init

git add -A

heroku create

your app by running:

heroku open

https://arcane-tundra-83748.herokuapp.com

CLEAR

domain.

heroku ps:scale web=1

git push heroku master

That's it! You have a live link that you can share with anyone. Time to start running some predictions:) Thanks to Ali Abid. Artificial Intelligence Machine Learning **Data Science** Heroku User Interface 188 claps

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