

# Human Analytics Web Application

## Setup & Information

### Accounts:

#### -PythonAnywhere

Username: mwhalen

Email: [mwhalen@western.edu](mailto:mwhalen@western.edu)

Password: HumanAnalyticsWebApp

#### -<https://mwhalen.pythonanywhere.com>

Email: [mwhalen@western.edu](mailto:mwhalen@western.edu)

Password: test

### Additional Information:

-When using the free version of pythonanywhere, the website has a time to live of 3 months. To refresh this 3 month timer, just click the orange 'Run until 3 months from today' button on the 'Web' tab.

-All information about the website including traffic to the website can be found on the 'Web' tab on pythonanywhere

-Website URL: <https://mwhalen.pythonanywhere.com/>

### Hosting Setup Steps:

#### -Uploading Files

1. Login to mwhalen account
2. Navigate to the 'Files' tab.
3. Add the HumanAnalyticsWebApp.zip file by clicking the orange 'Upload a file' button.
4. The file should now show up on the right side of the under 'Files'.
5. Next Navigate to the 'Consoles' tab.
6. Here you either have to start a new bash console or use an existing one.
  - a. To start your own click the 'Bash' button under 'Start a new console'
  - b. To use an existing one just click the bash consol under 'Your consoles'
7. Once we are in the console, type 'unzip HumanAnalyticsWebApp.zip' and press enter
8. Once that is done, click the drop-down button at the top right and navigate to 'Files' tab
9. The application files should now appear on the left side of the screen under 'Directories'

## -Creating Virtual Environment

1. Navigate back to the 'Consoles' tab and open up either your existing console or a new one
2. Enter this into console: 'mkvirtualenv myvirtualenv --python=/usr/bin/python3.10'
3. You should now see something like '(myvirtualenv) HH:MM ~ \$'.
4. From here you need to install all the app's dependencies.
  - a. This is done by typing 'pip install #' where # is the dependency name.
  - b. Here is the list of dependencies to install: flask, flask-sqlalchemy, flask-simple-crypt, flask-login, matplotlib, pandas, numpy.
  - c. There is one more that does not look like the rest, for this just copy this into the console: pip install git+https://github.com/chenyulue/matplotlib-extra
5. This is the end of installations, to exit the virtual environment enter 'deactivate'

## -Creating Web App

1. Navigate to 'Web' tab.
2. Click 'Add new web app' button.
3. First slide doesn't matter, just click next.
4. For 'Select a Python Web Framework', select the 'Manual Configuration'
5. Then select the Python version 'Python 3.10', then click next.
6. This should navigate to the 'Configuration for mwhalen.pythonanywhere.com' app on the 'Web' tab.
7. From here we want to scroll down to the 'Code' section.
8. Click on the red 'Enter the path to your web app source code'
9. Enter this path: /home/mwhalen/Human-Analytics-Software-Web-Application-test\_blake\_nate\_merge
10. Still in the 'Code' section; click on the WSGI configuration file.
11. Scroll down to the bottom of the WSGI file and you should see a flask section.
12. In that section you should just copy and paste this code:

-----

```
Import sys
```

```
path = "/home/mwhalen/Human-Analytics-Software-Web-Application-  
test_blake_nate_merge"
```

```
if path not in sys.path:
```

```
    sys.path.append(path)
```

```
from main import app as application
```

-----

13. Once that is in the WSGI file, click the green save button at the top right.
14. Navigate back to the 'Web' tab.
15. Scroll down to the 'Virtualenv' section.
16. Click the red 'Enter path to a virtualenv, if desired'.
17. Paste this into the path: '/home/mwhalen/.virtualenvs/myvirtualenv'
18. Once all this is complete, click the 'Reload' button at the top of the 'Web' tab to finish.