

Documento de deploy de la aplicacion spam detection en <https://www.pythonanywhere.com/>

## Despliegue de nuestra aplicación

En la pestaña **Consoles** de PythonAnywhere podemos abrir consolas con los distintos interpretes python, con bash o con mysql, vamos a abrir una consola bash para comenzar el despliegue:



**Consoles** Files Web Schedule Databases

### Start a new console:

Python: [3.6](#) / [3.5](#) / [3.4](#) / [3.3](#) / [2.7](#) IPython: [3.6](#) / [3.5](#) / [3.4](#) / [3.3](#) / [2.7](#) PyPy: [2.7](#)

Other: [Bash](#) | [MySQL](#)

Custom: [+](#)

### Your consoles:

[Bash console 5962090](#) ✕



Bash console 5962090

```
11:01 ~ $ █
```

Vamos a clonar nuestro repositorio, crear un repositorio e instalar las dependencias:

```
$ git clone https://github.com/gibinaghi/cientificas\_de\_datos.git -b pythonanywhere  
$ mkvirtualenv --python=/usr/bin/python3.9 flask
```

```
19:41 ~ $ git clone https://github.com/gibinaghi/cientificas_de_datos.git
Cloning into 'cientificas_de_datos'...
remote: Enumerating objects: 159, done.
remote: Counting objects: 100% (159/159), done.
remote: Compressing objects: 100% (119/119), done.
remote: Total 159 (delta 53), reused 119 (delta 22), pack-reused 0
Receiving objects: 100% (159/159), 3.26 MiB | 34.40 MiB/s, done.
Resolving deltas: 100% (53/53), done.
19:42 ~ $ mkvirtualenv --python=/usr/bin/python3.4 flask
FileNotFoundError: [Errno 2] No such file or directory: '/usr/bin/python3.4'
19:43 ~ $ mkvirtualenv --python=/usr/bin/python3.9 flask
created virtual environment CPython3.9.13.final.0-64 in 29040ms
  creator CPython3Posix(dest=/home/florcorvalan26/.virtualenvs/flask, clear=False, no_vcs_ignore=False, global=False)
  seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/home/florcorvalan26/.local/share/virtualenv)
    added seed packages: pip==22.1.2, setuptools==62.6.0, wheel==0.37.1
  activators BashActivator,CShellActivator,FishActivator,PowerShellActivator,PythonActivator
virtualenvwrapper.user_scripts creating /home/florcorvalan26/.virtualenvs/flask/bin/predeactivate
virtualenvwrapper.user_scripts creating /home/florcorvalan26/.virtualenvs/flask/bin/postdeactivate
virtualenvwrapper.user_scripts creating /home/florcorvalan26/.virtualenvs/flask/bin/preactivate
virtualenvwrapper.user_scripts creating /home/florcorvalan26/.virtualenvs/flask/bin/postactivate
virtualenvwrapper.user_scripts creating /home/florcorvalan26/.virtualenvs/flask/bin/get_env_details
```

\$ workon flask

(flask)\$ pip install -r scientificas\_de\_datos/practicas\_profesionalizantes/requirements.txt

```
bash: syntax error near unexpected token `"'
(flask) 19:56 ~ $ pip install -r scientificas_de_datos/practicas_profesionalizantes/requirements.txt
Looking in links: /usr/share/pip-wheels
Collecting attrs==23.1.0
  Downloading attrs-23.1.0-py3-none-any.whl (61 kB)
Collecting beautifulsoup4==4.12.2
  Downloading beautifulsoup4-4.12.2-py3-none-any.whl (142 kB)
Collecting bleach==6.0.0
  Downloading bleach-6.0.0-py3-none-any.whl (162 kB)
Collecting certifi==2023.5.7
  Downloading certifi-2023.5.7-py3-none-any.whl (156 kB)
Collecting charset-normalizer==3.1.0
  Downloading charset-normalizer-3.1.0-cp39-cp39-manylinux_2_17_x86_64_manylinux2014_x86_64.whl (199 kB)
Collecting defusedxml==0.7.1
  Downloading defusedxml-0.7.1-py2.py3-none-any.whl (25 kB)
Collecting docopt==0.6.2
  Downloading docopt-0.6.2.tar.gz (25 kB)
  Preparing metadata (setup.py) ... done
Collecting fastjsonschema==2.16.3
  Downloading fastjsonschema-2.16.3-py3-none-any.whl (23 kB)
Collecting idna==3.4
  Downloading idna-3.4-py3-none-any.whl (61 kB)
Collecting importlib-metadata==6.6.0
```

## Creando una nueva aplicación

Por último en la pestaña **Web** tenemos que crear una nueva aplicación:

Elegimos la opción “Manual configuration” para poder indicar el entorno virtual que hemos creado:

+ Add a new web app

You have no web apps

To create a PythonAnywhere-hosted web app, click the "Add a new web app" button to the left.

Create new web app

### Select a Python Web framework

...or select "Manual configuration" if you want detailed control.

- » Django
- » web2py
- » Flask
- » Bottle
- » **Manual configuration** (including virtualenvs)

What other frameworks should we have here? Send us some feedback using the link at the top of the page!

Cancel

« Back

Next »

Elegimos la versión de python (en este caso la misma con la que hemos creado el entorno virtual, python 3.9) y ya tenemos la aplicación creada. Sólo nos queda indicar la ruta donde se encuentra nuestro entorno virtual, en la sección **Virtualenv**:

[←](#) [→](#) [🏠](#) [🔒](#) [🔗](#) [https://www.pythonanywhere.com/user/florcorvalan26/webapps/#tab\\_id\\_florcorvalan26](#) [📄](#) [☆](#) [📧](#) [📄](#) [📄](#) [📄](#) [📄](#) [☰](#)

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[Dashboard](#) [Consoles](#) [Files](#) [Web](#) [Tasks](#) [Databases](#)

All done! Your web app is now set up. Details below.

florcorvalan26.pythonanywhere.com

+ Add a new web app

### Configuration for florcorvalan26.pythonanywhere.com

Reload:

Reload florcorvalan26.pythonanywhere.com

Best before date:

We're happy to host your free website -- and keep it free -- for as long as you want to keep it running, but you'll need to log in at least once every three months and click the "Run until 3 months from today" button below. We'll send you an email a week before the site is disabled so that you don't forget to do that. [See here for more details.](#)

This site will be disabled on **Friday 01 September 2023**

Run until 3 months from today

[Paying users'](#) sites stay up forever without any need to log in to keep them running.

## Virtualenv:

Use a virtualenv to get different versions of flask, django etc from our default system ones. [More info here](#). You need to **Reload your web app** to activate it; NB - will do nothing if the virtualenv does not exist.


</home/florcorvalan26/.virtualenvs/flask>

[Start a console in this virtualenv](#)

Y modificar el fichero `/var/www/florcorvalan26_pythonanywhere_com_wsgi.py` en el apartado "WSGI configuration file:" de la sección "Code":

Code:

What your site is running.

Source code:	<a href="#">Enter the path to your web app source code</a>	
Working directory:	<a href="#">/home/florcorvalan26/</a>	<a href="#">Go to directory</a>
WSGI configuration file:	<a href="#">/var/www</a> <a href="#">/florcorvalan26_pythonanywhere_com_wsgi.py</a>	
Python version:	3.9	

Virtualenv:

I use a virtualenv to get different versions of flask, django, etc from our default system

```
91
92
93 # ++++++ FLASK ++++++
94 # Flask works like any other WSGI-compatible framework, we just need
95 # to import the application. Often Flask apps are called "app" so we
96 # may need to rename it during the import:
97 #
98 #
99 import sys
100 #
101 ## The "/home/florcorvalan26" below specifies your home
102 ## directory -- the rest should be the directory you uploaded your Flask
103 ## code to underneath the home directory. So if you just ran
104 ## "git clone git@github.com:myusername/myproject.git"
105 ## ...or uploaded files to the directory "myproject", then you should
106 ## specify "/home/florcorvalan26/myproject"
107 path = '/home/florcorvalan26/cientificas_de_datos/practicas_profesionalizantes/spam_detection'
108 if path not in sys.path:
109     sys.path.append(path)
```

Si surgen problemas de librerías ejecutar los siguientes comandos:

pip install flask

pip install pandas

pip install scikit-learn