GZ Hackathon Set-up Guide:

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MACHINE SET-UP

-Install IDE/Editor of Choice:

Sublime, PyCharm

https://www.sublimetext.com/

https://www.jetbrains.com/pycharm/

-Install Git, Recommended Sourcetree too

https://git-scm.com/download/win

https://www.sourcetreeapp.com

-Install Anaconda Python 3.6

https://www.anaconda.com/download/

-Update Anaconda

1) open command line (cmd)

2) conda update --all

-Set-up Heroku CLI

https://devcenter.heroku.com/articles/getting-started-with-python#set-up

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WORKSHOP SESSION PART 1: Project Set-up

1. PYTHON SET-UP - Hello World

-Set-up Anaconda Environment for test

conda create -n HelloTest python=3.6

-Select Interpreter - Existing Environment: HelloTest Environment from Anaconda Files

File > Settings > Project Interpreter and Select chosen

C:\ProgramData\Anaconda3\envs\HelloTest\python.exe

-Create Hello.py and run

In Terminal python hello.py

For Model development:

* Install anaconda3
* Install lightgbm
* Install Xgboost
* Rest required packages should come with conda environment

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2. CREATE A FLASK APP

-activate Anaconda environment in CMD/Terminal: activate HelloTest

-install flask

pip install flask

-Update code to be a flask app

http://flask.pocoo.org/docs/1.0/quickstart/

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3. GIT PROJECT SETUP

-Initialize project as GIT

git init

-Add all files to project

git add .

-set-up info

git config --global user.email "chinahackday@yahoo.com"

git config --global user.name "GZ Hackathon"

-First commit

git commit -m "First commit"

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4. DEPLOY TEST PYTHON APP

Pass: GZHackHalfDay1#

https://devcenter.heroku.com/articles/getting-started-with-python#prepare-the-app

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5. DEPLOY OUR HELLO WORLD APP TO HEROKU

-Add a Profile to our project

web: gunicorn app:app

-Add requirements.txt file in project and add line

flask

gunicorn

-Add new to git

git add .

-Commit new changes

git commit -m "Second Commit"

-Login into heroku

heroku login

-Create app

heroku create hellochinahack

-Deploy app

git push heroku master

MORE: https://github.com/datademofun/heroku-basic-flask

Collapse