

Use PuTTY to accRockhurst IdentityMail - AtwellM@fWeek 2 – BIA 630AWS Quick Start CEC2 ManagenXNotebooks/Homework 1 Not

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instanceld

Rockhurst PortalNWS KCKMapsWSJ WSJPowerBIPythonPiazzaR CSsGitHub PM ClassPython HandbookAWSPython CSTwitterTwitter Developers

awsServicesResource GroupsMichael Atwell RockhurstOhioSupport

EC2 DashboardEventsTagsReportsLimitsINSTANCESInstancesLaunch TemplatesSpot RequestsReserved InstancesDedicated HostsCapacity ReservationsIMAGESAMIsBundle TasksELASTIC BLOCK STOREVolumesSnapshotsLifecycle ManagerNETWORK & SECURITYSecurity GroupsElastic IPsPlacement GroupsKey Pairs

Launch InstanceConnectActions

Filter by tags and attributes or search by keyword

| Name | Instance ID          | Instance Type | Availability Zone | Instance State | Status Checks | Alarm Status | Public DNS (IPv4)        | IPv4 Public IP | IPv6 IPs | Key Name | Monitoring |
|------|----------------------|---------------|-------------------|----------------|---------------|--------------|--------------------------|----------------|----------|----------|------------|
|      | i-01d10502d008a2a... | t2.micro      | us-east-2b        | stopped        |               | None         |                          | -              | -        | Atwell   | disabled   |
|      | i-09399abe42f450c33  | t2.micro      | us-east-2b        | running        | 2/2 checks... | None         | ec2-3-16-41-209.us-ea... | 3.16.41.209    | -        | Atwell   | disabled   |

Instance: i-09399abe42f450c33Public DNS: ec2-3-16-41-209.us-east-2.compute.amazonaws.com

Description

Status ChecksMonitoringTags

Instance ID

i-09399abe42f450c33

Instance state

running

Instance type

t2.micro

Elastic IPs

Availability zone

us-east-2b

Security groups

launch-wizard-2. view inbound rules. view outbound rules

Scheduled events

No scheduled events

AMI ID

amzn-ami-hvm-2018.03.0.20180811-x86\_64-gp2 (ami-0b59bfac08be084b78)

Platform

-

IAM role

-

Key pair name

Atwell

Owner

962975720170

Launch time

November 3, 2018 at 6:08:29 AM UTC-5 (less than one hour)

Public DNS (IPv4)

ec2-3-16-41-209.us-east-2.compute.amazonaws.com

IPv4 Public IP

3.16.41.209

IPv6 IPs

-

Private DNS

ip-172-31-29-4.us-east-2.compute.internal

Private IPs

172.31.29.4

Secondary private IPs

VPC ID

vpc-369ba05e

Subnet ID

subnet-af920ad5

Network interfaces

eth0

Source/dest. check

True

T2/T3 Unlimited

Disabled

EBS-optimized

False

Root device type

ebs

FeedbackEnglish (US)

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WindowsTaskbar

ec2-user@ip-172-31-29-4:~

Using username "ec2-user".  
Authenticating with public key "imported-openssh-key"  
Last login: Wed Oct 31 01:46:18 2018 from 23-228-140-5.mci.googlefiber.net

```

 _ _ | _ _ )
 _ | ( _ _ /   Amazon Linux AMI
 _ | \ _ _ | _ _ |

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
14 package(s) needed for security, out of 29 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-29-4 ~]$ ls
anaconda3  Anaconda3-5.3.0-Linux-x86_64.sh  certs  Notebooks
[ec2-user@ip-172-31-29-4 ~]$ ipython
Python 3.7.0 (default, Jun 28 2018, 13:15:42)
Type 'copyright', 'credits' or 'license' for more information
IPython 6.5.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: from ipython.lib import passwd
-----
ModuleNotFoundError                               Traceback (most recent call last)
<ipython-input-1-2376111c4058> in <module>()
----> 1 from ipython.lib import passwd

ModuleNotFoundError: No module named 'ipython'

In [2]: from IPython.lib import passwd

In [3]: passwd('python')
Out[3]: 'sha1:879bbb8f7e5c:0a75e3e1fe70b3a573d84704c47ec0e5203b3c19'

In [4]: exit()

[ec2-user@ip-172-31-29-4 ~]$ jupyter notebook --generate-config
Overwrite /home/ec2-user/.jupyter/jupyter_notebook_config.py with default config
? [y/N]y
Writing default config to: /home/ec2-user/.jupyter/jupyter_notebook_config.py
[ec2-user@ip-172-31-29-4 ~]$ mkdir certs
mkdir: cannot create directory 'certs': File exists
[ec2-user@ip-172-31-29-4 ~]$ cd certs
[ec2-user@ip-172-31-29-4 certs]$ sudo openssl req -x509 -nodes -days 365 -newkey rsa:1024 -keyout mycert.pem -
out mycert.pem
Generating a 1024 bit RSA private key
.....++++++
```

Use P... ec2-user@ip-172-31-29-4:~

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Rockhu

BIA 6305 Analytics

What's New

COURSE

Start Here

Instructor

Course Sy

Piazza Hel

COURSE

Course Le

Content

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Lecture Re

Type here to search

6:48 AM 11/3/2018

Files | Running | Clusters

Select items to perform actions on them.

Upload | New | ↻

☐ 0 | / Notebooks

Name ↓ | Last Modified | File size

..

seconds ago

☐ Homework 1 Notebook 1.ipynb | Running | seconds ago | 233 kB

☐ AUTO.csv | 3 minutes ago | 12.1 kB

## Packages, intial setup, and data import

Check working directory and change as needed.

```
Out[3]: '/home/ec2-user/Notebooks'
```

### Import the AUTO dataset Using Pandas

### ###Initial examination and cleanup of the data