

Assignment 0, COMP 576

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1 Task 1

```
Chens-MacBook-Pro:~ chenzeng$ conda info
Current conda install:
platform : osx-64
conda version : 4.3.27
conda is private : False
conda-env version : 4.3.27
conda-build version : not installed
python version : 3.6.1.final.0
requests version : 2.14.2
root environment : /Users/chenzeng/anaconda (writable)
default environment : /Users/chenzeng/anaconda
envs directories : /Users/chenzeng/anaconda/envs
                  /Users/chenzeng/.conda/envs
package cache : /Users/chenzeng/anaconda/pkg
                /Users/chenzeng/.conda/pkg
channel URLs : https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
               https://repo.continuum.io/pkg
```

```
config file : /Users/chenzeng/.condarc
netrc file : None
offline mode : False
user-agent : conda/4.3.27 requests/2.14.2 CPython/3.6.1 Darwin/17.7.0 OSX/10.13.6
UID:GID : 501:20
```

2 Task 2

N/A

3 Task 3

```
import matplotlib.pyplot as plt
plt.plot([1,2,3,4], [1,2,7,14], 'ro')
plt.axis([0, 6, 0, 20])
plt.show()
```

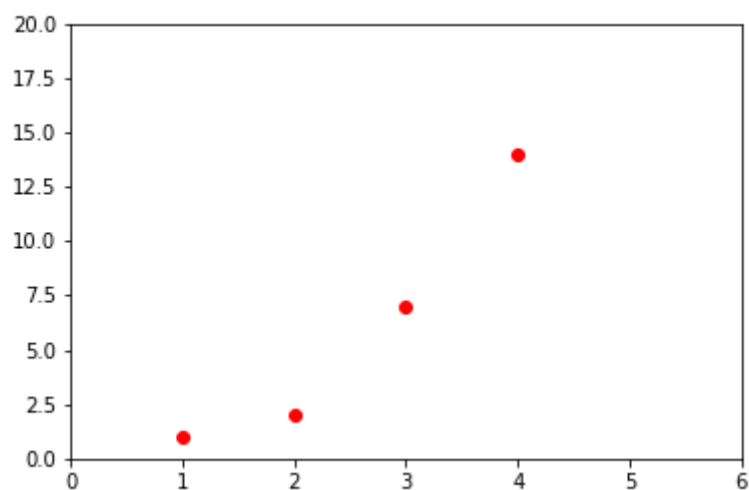


Figure 3.1: exported figure of matplotlib

4 Task 4

```
import numpy as np
import matplotlib.pyplot as plt
ax = plt.subplot(111)
t = np.arange(0.0, 10.0, 0.01)
```

```
s = np.cos(2*np.pi*t)+1  
line, = plt.plot(t, s, lw=2)  
plt.ylim(-1,3)  
plt.savefig('foo2.png')  
plt.show()
```

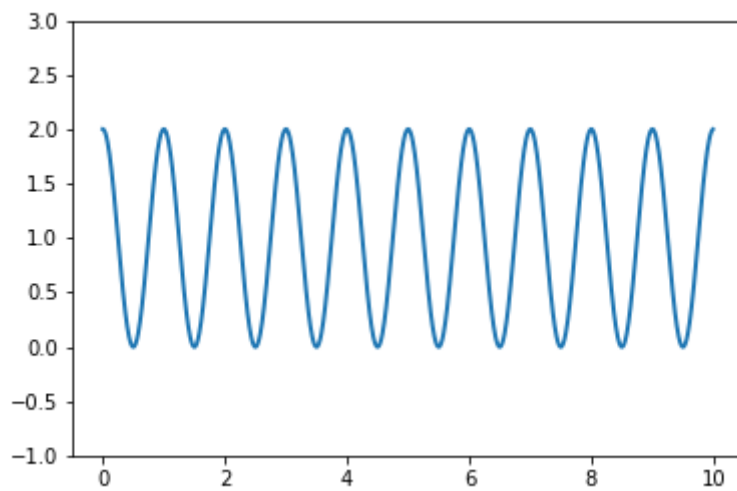


Figure 4.1: exported figure of matplotlib

5 Task 5

Github Account: zengchen94

6 Task 6

<https://github.com/ZengChen94/COMP576>