

Untitled

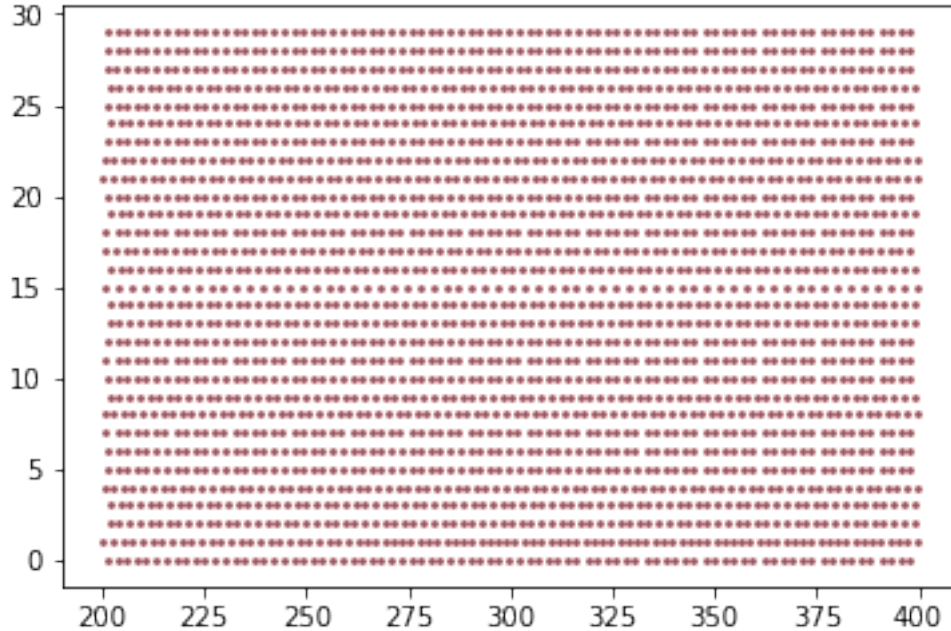
February 9, 2018

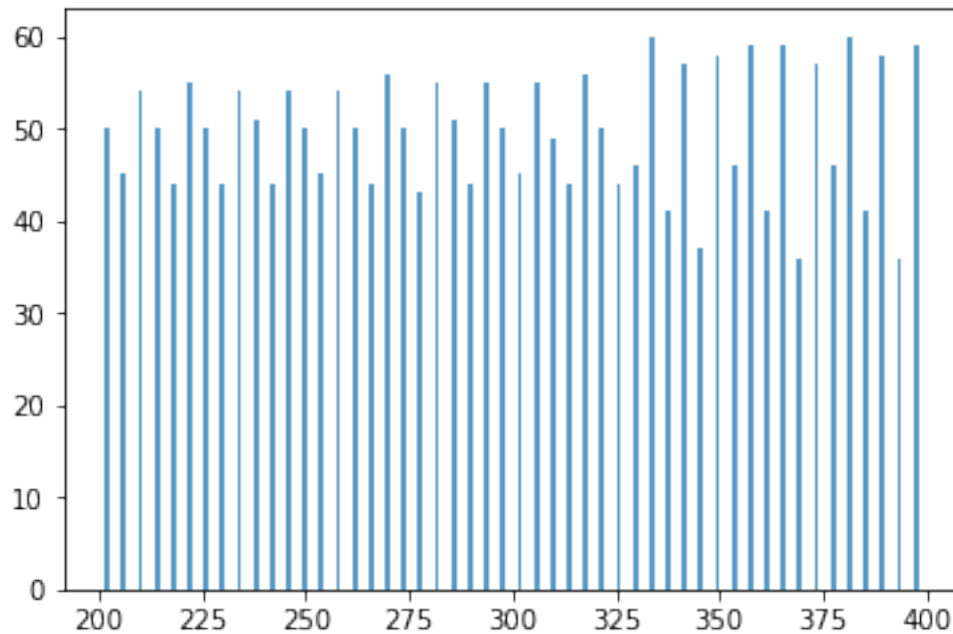
```
In [11]: import numpy as np
import matplotlib.pyplot as plt

data = np.genfromtxt('NeuronGraph1.txt')

select= np.array([d for d in data if d[1] < 30])
data1= select.transpose()
plt.scatter(0.1*data1[0],data1[1], s=3, alpha=0.8, edgecolors='brown');
plt.show();

n, bins, patches = plt.hist(0.1*data1[0], 50, rwidth=0.3, normed=0, alpha=0.75)
plt.show();
```



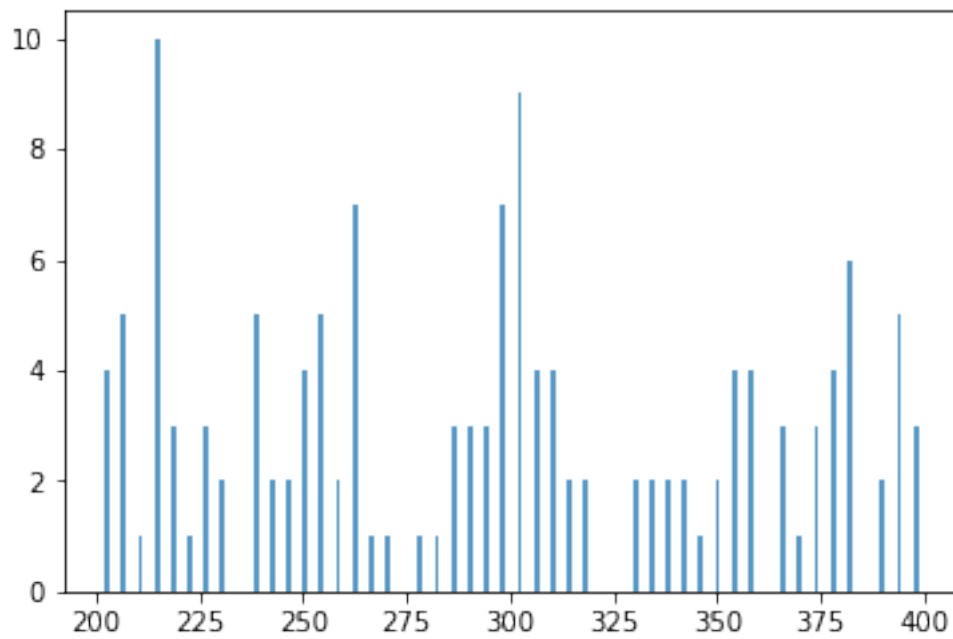
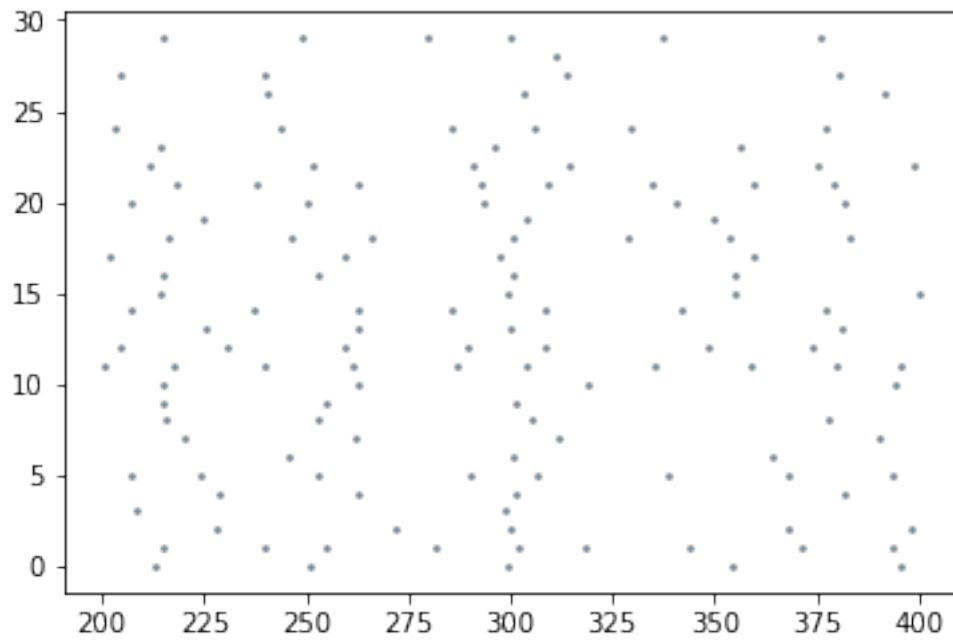


```
In [12]: import numpy as np
import matplotlib.pyplot as plt

data = np.genfromtxt('NeuronGraph2.txt')

select= np.array([d for d in data if d[1] < 30])
data1= select.transpose()
plt.scatter(0.1*data1[0],data1[1], s=3, alpha=0.8, edgecolors='grey');
plt.show();

n, bins, patches = plt.hist(0.1*data1[0], 50, rwidth=0.3, normed=0, alpha=0.75)
plt.show();
```



```
In [17]: import numpy as np
import matplotlib.pyplot as plt
```

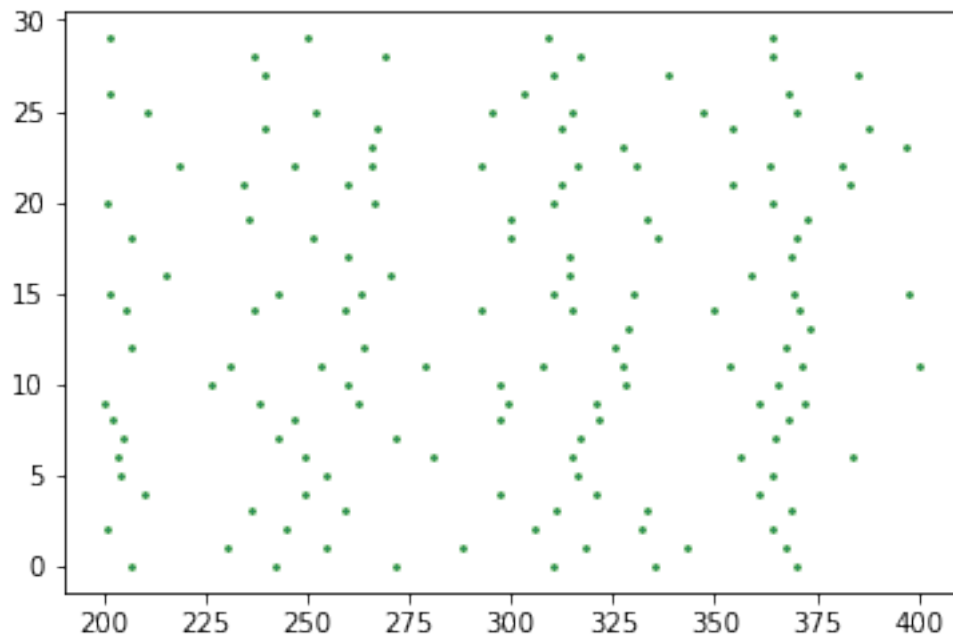
```

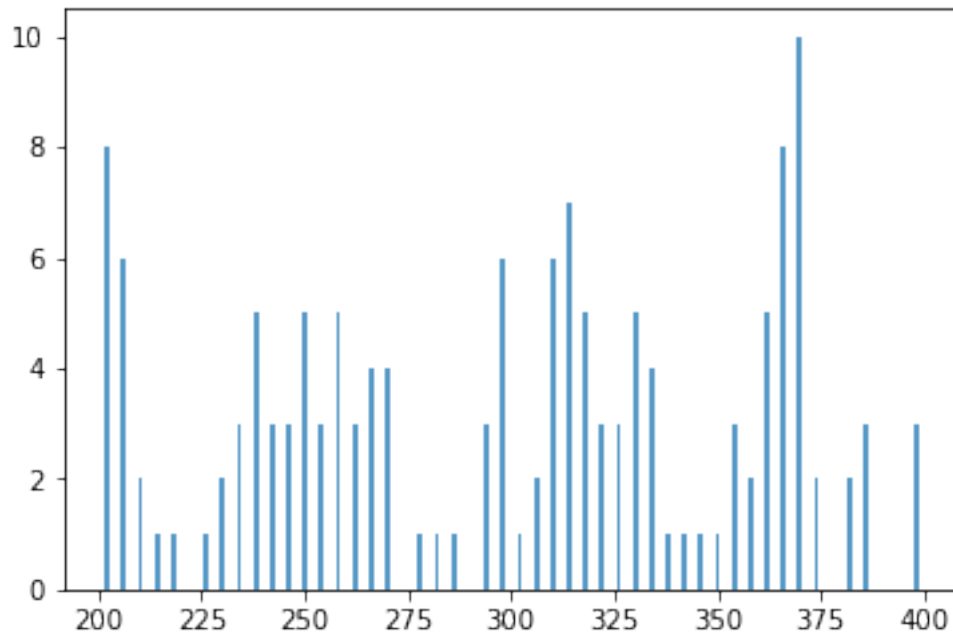
data = np.genfromtxt('NeuronGraph3.txt')

select= np.array([d for d in data if d[1] < 30])
data1= select.transpose()
pl.scatter(0.1*data1[0],data1[1], s=3, alpha=0.8, edgecolors='green');
pl.show();

n, bins, patches = pl.hist(0.1*data1[0], 50, rwidth=0.3, normed=0, alpha=0.75)
pl.show();

```





```
In [19]: import numpy as np
import matplotlib.pyplot as plt

data = np.genfromtxt('NeuronGraph4.txt')

select= np.array([d for d in data if d[1] < 30])
data1= select.transpose()
plt.scatter(0.1*data1[0],data1[1], s=3, alpha=0.8, edgecolors='blue');
plt.show();

n, bins, patches = plt.hist(0.1*data1[0], 50, rwidth=0.3, normed=0, alpha=0.75)
plt.show();
```

