

Spikes_Plots1

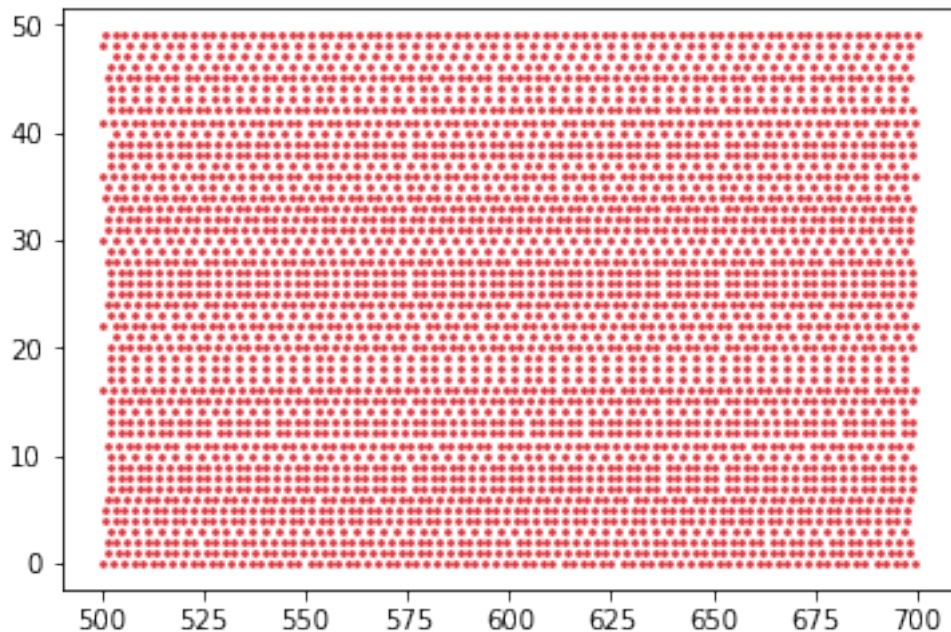
November 5, 2017

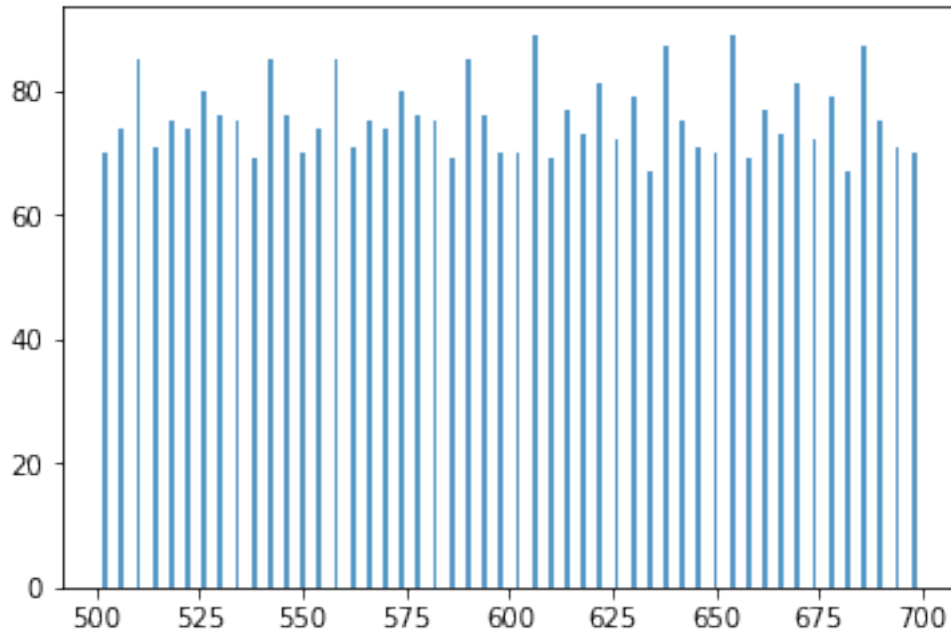
```
In [61]: import numpy as np
import matplotlib.pyplot as pl

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

select = np.array([d for d in data if d[1] < 50])
data1 = select.transpose()
pl.scatter(0.1*data1[0],data1[1],s = 3, alpha=0.8, edgecolors='red');
pl.show();

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



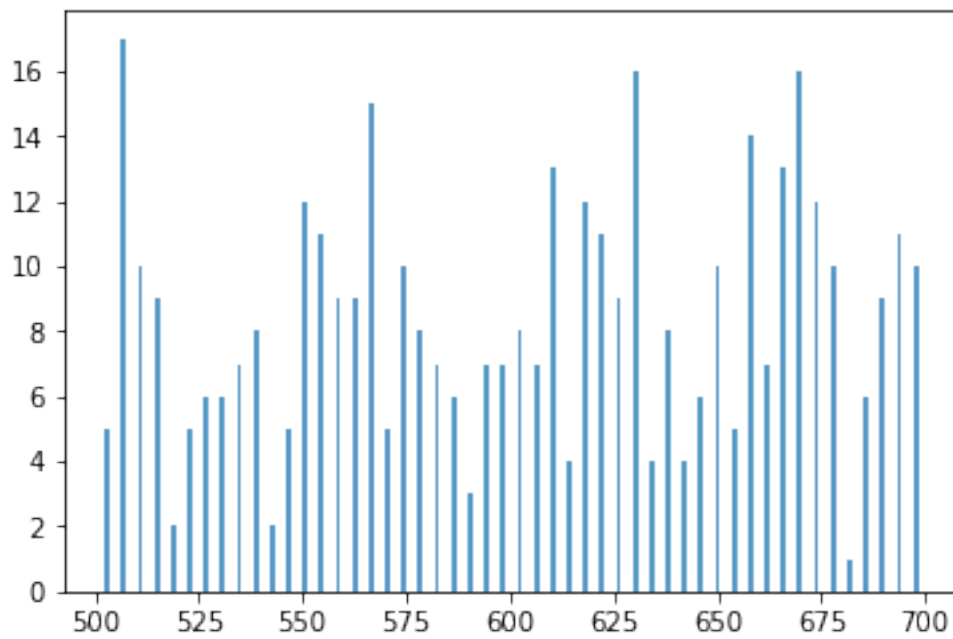
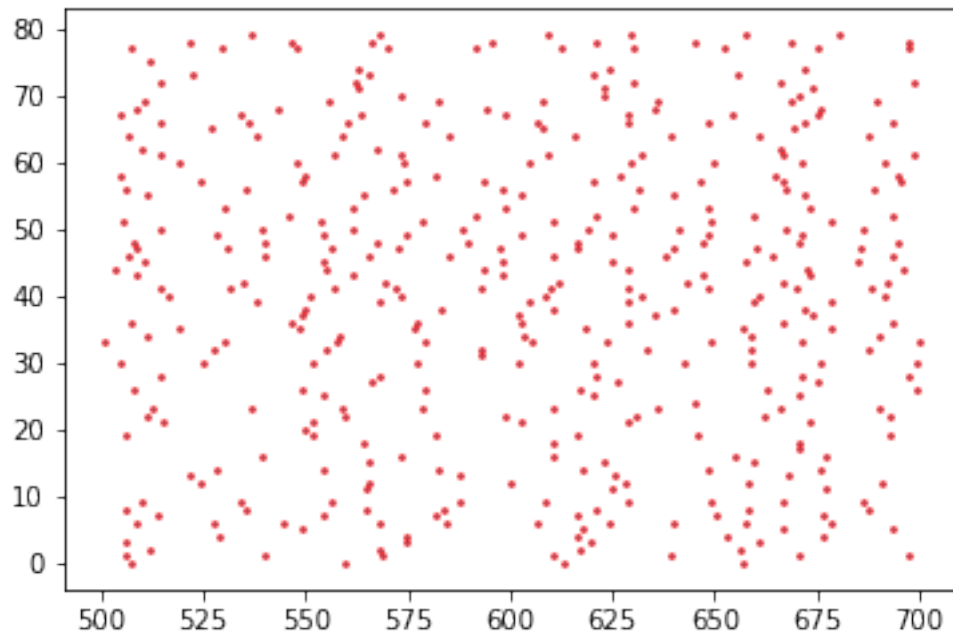


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In [58]: import numpy as np
import matplotlib.pyplot as plt

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

select = np.array([d for d in data if d[1] < 80])
data1 = select.transpose()
plt.scatter(0.1*data1[0],data1[1],s = 3, alpha=0.8, edgecolors='red');
plt.show();

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



```
In [59]: import numpy as np
import matplotlib.pyplot as plt
```

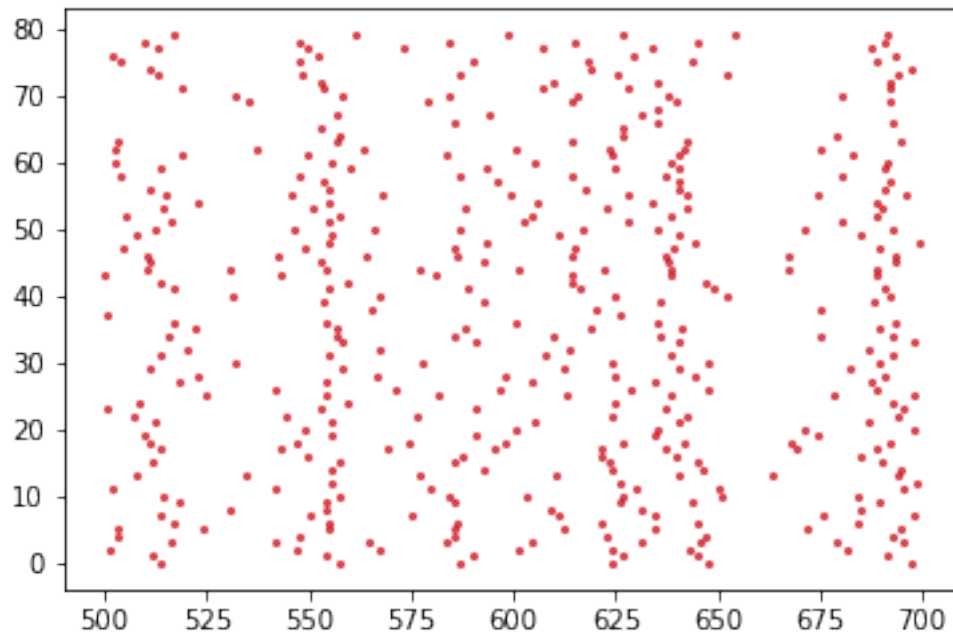
```

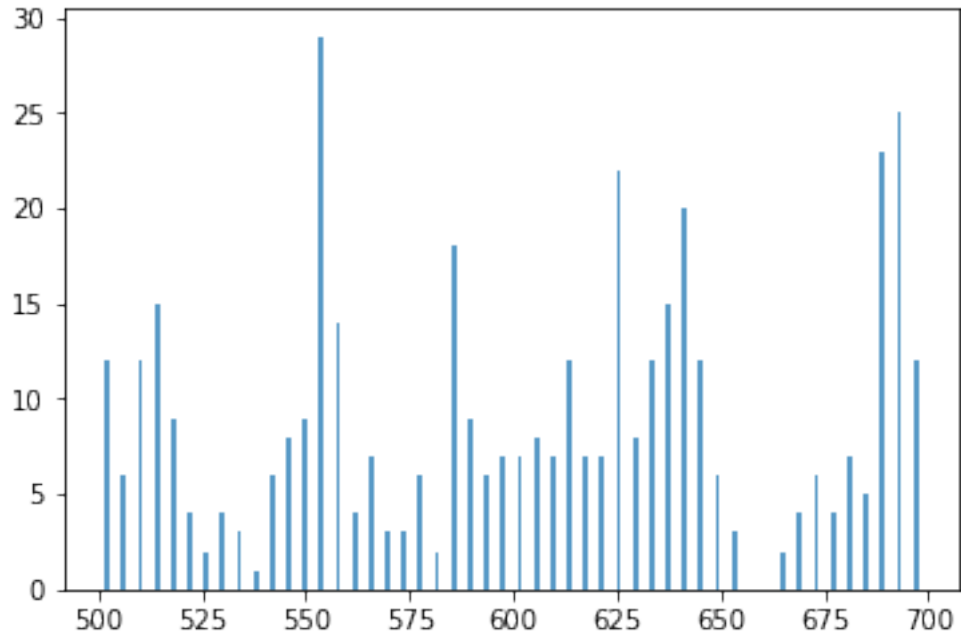
data = np.genfromtxt('Spikes_plotC.txt')

select = np.array([d for d in data if d[1] < 80])
data1 = select.transpose()
pl.scatter(0.1*data1[0],data1[1],s = 4, alpha=0.8, edgecolors='red');
pl.show();

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

```





```
In [60]: import numpy as np
import matplotlib.pyplot as plt

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

select = np.array([d for d in data if d[1] < 80])
data1 = select.transpose()
plt.scatter(0.1*data1[0],data1[1],s = 3, alpha=0.8, edgecolors='purple');
plt.show();

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

