# Exercise for alpha=1

**Solution**

## 1 Exercise 1

Here is a distribution of width $\alpha = 1$ defined with `python`. Now do your stuff.

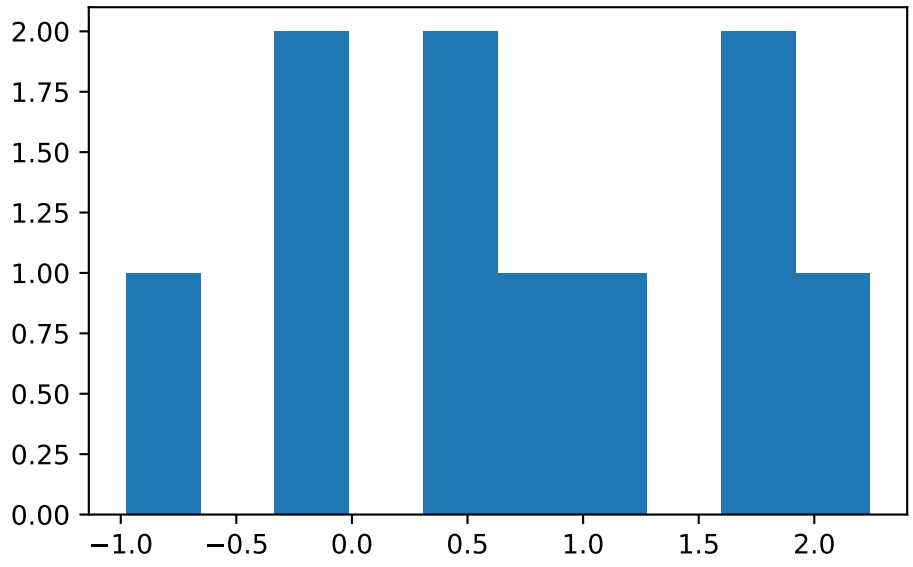
```
distribution = np.random.normal(0, alpha, 10)
print(distribution)
```

```
[ 1.76405235  0.40015721  0.97873798  2.2408932   1.86755799 -0.97727788
  0.95008842 -0.15135721 -0.10321885  0.4105985 ]
```

### 1.1 Solution

Here is the solution with some maths : $\alpha = 1$, and some code and graphs:

```
plt.hist(distribution)
plt.show()
```

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## 2 Exercise 2

Do some other stuff.

### 2.1 Solution

Here is the solution to the second exercise.