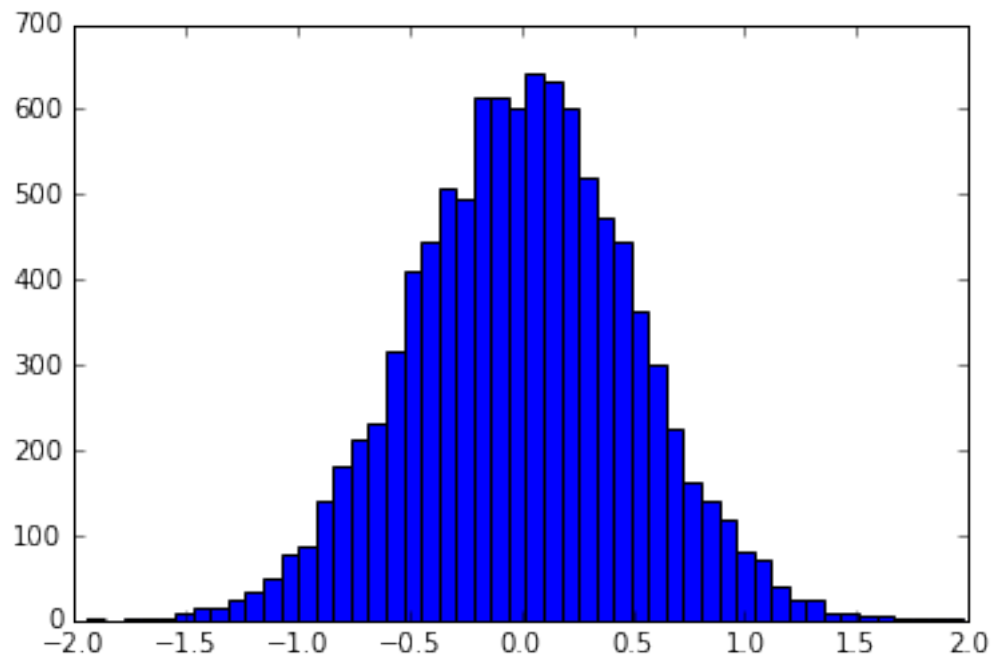# Percentiles

December 20, 2016

1 Percentiles

```
In [1]: %matplotlib inline
        import numpy as np
        import matplotlib.pyplot as plt

        vals = np.random.normal(0, 0.5, 10000)

        plt.hist(vals, 50)
        plt.show()
```



```
In [2]: np.percentile(vals, 50)
```

```
Out[2]: 0.0074750548545281818
```

```
In [3]: np.percentile(vals, 90)

Out[3]: 0.62478623578787418

In [4]: np.percentile(vals, 20)

Out[4]: -0.41634904286746799
```

1.1 Activity

Experiment with different parameters when creating the test data. What effect does it have on the percentiles?

```
In [ ]:
```