Prompt 9

November 7, 2023
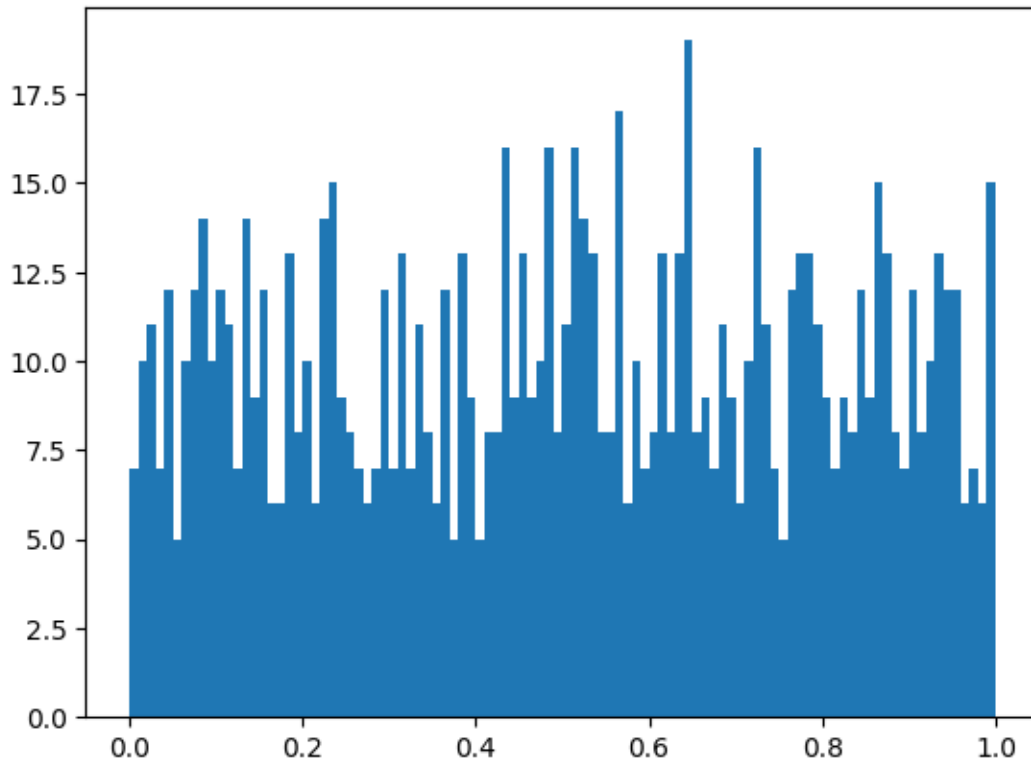
```python
[1]: import matplotlib.pyplot as plt
     import numpy as np
```

```python
[2]: x = np.random.uniform(0.0, 1.0, 1000)
```

```python
[3]: plt.hist(x, bins=100)
```

```
[3]: (array([ 7., 10., 11.,  7., 12.,  5., 10., 12., 14., 10., 12., 11.,  7.,
            14.,  9., 12.,  6.,  6., 13.,  8., 10.,  6., 14., 15.,  9.,  8.,
             7.,  6.,  7., 12.,  7., 13.,  7., 11.,  8.,  6., 12.,  5., 13.,
             9.,  5.,  8.,  8., 16.,  9., 13.,  9., 10., 16.,  8., 11., 16.,
            14., 13.,  8.,  8., 17.,  6., 10.,  7.,  8., 13.,  8., 13., 19.,
             8.,  9.,  7., 11.,  9.,  6., 10., 16., 11.,  7.,  5., 12., 13.,
            13., 11.,  9.,  7.,  9.,  8., 12.,  9., 15., 13.,  8.,  7., 12.,
             8., 10., 13., 12., 12.,  6.,  7.,  6., 15.]),
      array([1.40732662e-04, 1.01363347e-02, 2.01319368e-02, 3.01275388e-02,
            4.01231408e-02, 5.01187429e-02, 6.01143449e-02, 7.01099470e-02,
            8.01055490e-02, 9.01011511e-02, 1.00096753e-01, 1.10092355e-01,
            1.20087957e-01, 1.30083559e-01, 1.40079161e-01, 1.50074763e-01,
            1.60070365e-01, 1.70065967e-01, 1.80061569e-01, 1.90057172e-01,
            2.00052774e-01, 2.10048376e-01, 2.20043978e-01, 2.30039580e-01,
            2.40035182e-01, 2.50030784e-01, 2.60026386e-01, 2.70021988e-01,
            2.80017590e-01, 2.90013192e-01, 3.00008794e-01, 3.10004396e-01,
            3.19999998e-01, 3.29995600e-01, 3.39991202e-01, 3.49986804e-01,
            3.59982406e-01, 3.69978008e-01, 3.79973610e-01, 3.89969212e-01,
            3.99964814e-01, 4.09960417e-01, 4.19956019e-01, 4.29951621e-01,
            4.39947223e-01, 4.49942825e-01, 4.59938427e-01, 4.69934029e-01,
            4.79929631e-01, 4.89925233e-01, 4.99920835e-01, 5.09916437e-01,
            5.19912039e-01, 5.29907641e-01, 5.39903243e-01, 5.49898845e-01,
            5.59894447e-01, 5.69890049e-01, 5.79885651e-01, 5.89881253e-01,
            5.99876855e-01, 6.09872457e-01, 6.19868060e-01, 6.29863662e-01,
            6.39859264e-01, 6.49854866e-01, 6.59850468e-01, 6.69846070e-01,
            6.79841672e-01, 6.89837274e-01, 6.99832876e-01, 7.09828478e-01,
            7.19824080e-01, 7.29819682e-01, 7.39815284e-01, 7.49810886e-01,
            7.59806488e-01, 7.69802090e-01, 7.79797692e-01, 7.89793294e-01,
            7.99788896e-01, 8.09784498e-01, 8.19780100e-01, 8.29775702e-01,
            8.39771305e-01, 8.49766907e-01, 8.59762509e-01, 8.69758111e-01,
            8.79753713e-01, 8.89749315e-01, 8.99744917e-01, 9.09740519e-01,
```

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         9.19736121e-01, 9.29731723e-01, 9.39727325e-01, 9.49722927e-01,
         9.59718529e-01, 9.69714131e-01, 9.79709733e-01, 9.89705335e-01,
         9.99700937e-01]),
 <BarContainer object of 100 artists>)
```


[ ]: