Prompt 9

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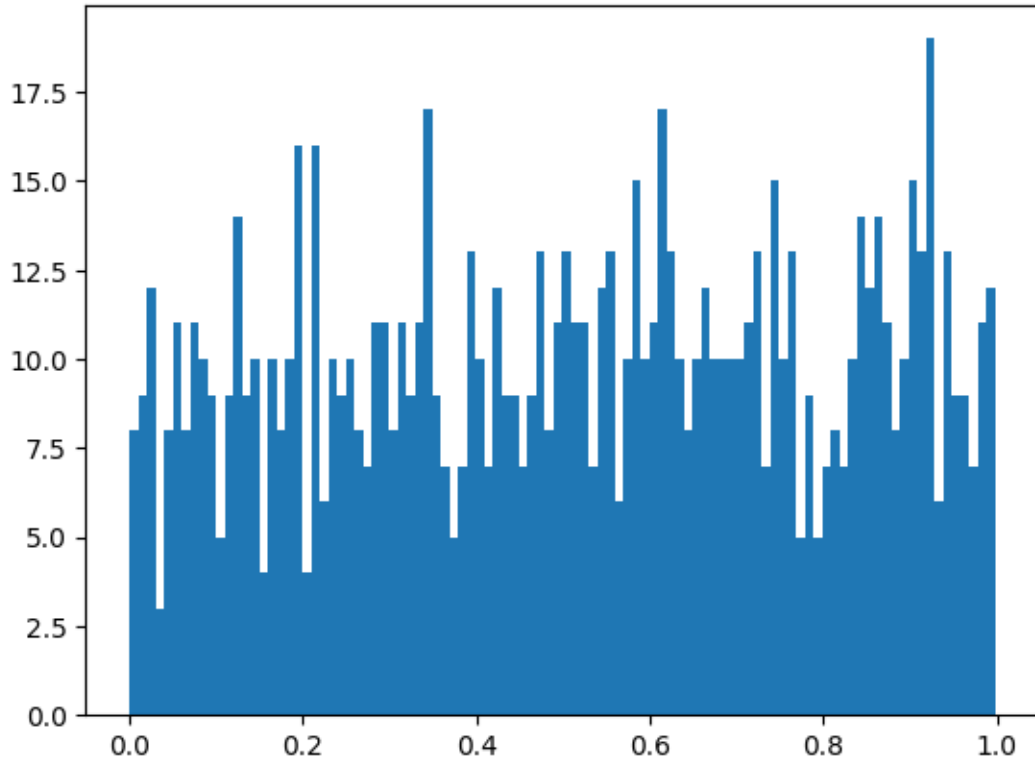
```python
[14]: import matplotlib.pyplot as plt
      import numpy as np
```

```python
[15]: x = np.random.uniform(low=0.0, high=1.0, size=1000)
```

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

```
[16]: (array([ 8.,  9., 12.,  3.,  8., 11.,  8., 11., 10.,  9.,  5.,  9., 14.,
               9., 10.,  4., 10.,  8., 10., 16.,  4., 16.,  6., 10.,  9., 10.,
               8.,  7., 11., 11.,  8., 11.,  9., 11., 17.,  9.,  7.,  5.,  7.,
              13., 10.,  7., 12.,  9.,  9.,  7.,  9., 13.,  8., 11., 13., 11.,
              11.,  7., 12., 13.,  6., 10., 15., 10., 11., 17., 13., 10.,  8.,
              10., 12., 10., 10., 10., 10., 11., 13.,  7., 15., 10., 13.,  5.,
               9.,  5.,  7.,  8.,  7., 10., 14., 12., 14., 11.,  8., 10., 15.,
              13., 19.,  6., 13.,  9.,  9.,  7., 11., 12.]),
       array([4.34886988e-04, 1.04115983e-02, 2.03883096e-02, 3.03650209e-02,
              4.03417322e-02, 5.03184435e-02, 6.02951548e-02, 7.02718662e-02,
              8.02485775e-02, 9.02252888e-02, 1.00202000e-01, 1.10178711e-01,
              1.20155423e-01, 1.30132134e-01, 1.40108845e-01, 1.50085557e-01,
              1.60062268e-01, 1.70038979e-01, 1.80015691e-01, 1.89992402e-01,
              1.99969113e-01, 2.09945824e-01, 2.19922536e-01, 2.29899247e-01,
              2.39875958e-01, 2.49852670e-01, 2.59829381e-01, 2.69806092e-01,
              2.79782804e-01, 2.89759515e-01, 2.99736226e-01, 3.09712938e-01,
              3.19689649e-01, 3.29666360e-01, 3.39643072e-01, 3.49619783e-01,
              3.59596494e-01, 3.69573205e-01, 3.79549917e-01, 3.89526628e-01,
              3.99503339e-01, 4.09480051e-01, 4.19456762e-01, 4.29433473e-01,
              4.39410185e-01, 4.49386896e-01, 4.59363607e-01, 4.69340319e-01,
              4.79317030e-01, 4.89293741e-01, 4.99270452e-01, 5.09247164e-01,
              5.19223875e-01, 5.29200586e-01, 5.39177298e-01, 5.49154009e-01,
              5.59130720e-01, 5.69107432e-01, 5.79084143e-01, 5.89060854e-01,
              5.99037566e-01, 6.09014277e-01, 6.18990988e-01, 6.28967699e-01,
              6.38944411e-01, 6.48921122e-01, 6.58897833e-01, 6.68874545e-01,
              6.78851256e-01, 6.88827967e-01, 6.98804679e-01, 7.08781390e-01,
              7.18758101e-01, 7.28734813e-01, 7.38711524e-01, 7.48688235e-01,
              7.58664947e-01, 7.68641658e-01, 7.78618369e-01, 7.88595080e-01,
              7.98571792e-01, 8.08548503e-01, 8.18525214e-01, 8.28501926e-01,
              8.38478637e-01, 8.48455348e-01, 8.58432060e-01, 8.68408771e-01,
              8.78385482e-01, 8.88362194e-01, 8.98338905e-01, 9.08315616e-01,
```

```
       9.18292327e-01, 9.28269039e-01, 9.38245750e-01, 9.48222461e-01,
       9.58199173e-01, 9.68175884e-01, 9.78152595e-01, 9.88129307e-01,
       9.98106018e-01]),
 <BarContainer object of 100 artists>)
```



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[ ]:
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