

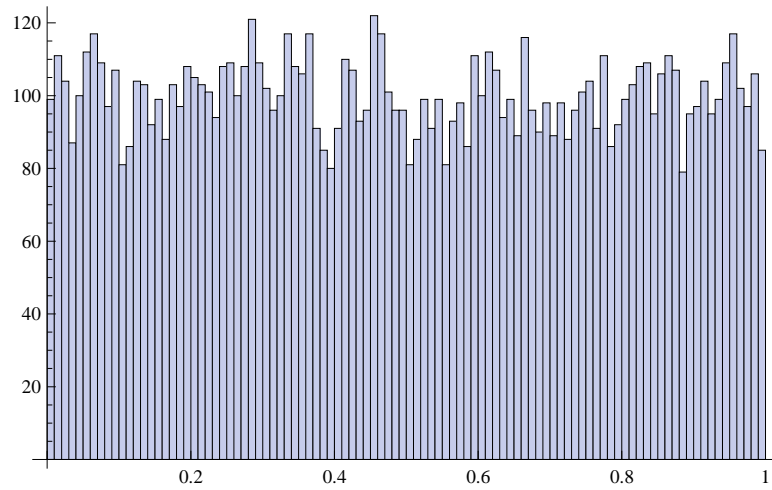
```
rvs = Table[
  Random[UniformDistribution[{0, 1}]], {10 000}];
```

```
Length[rvs]
```

```
10 000
```

```
In[4]:= << Histograms`
```

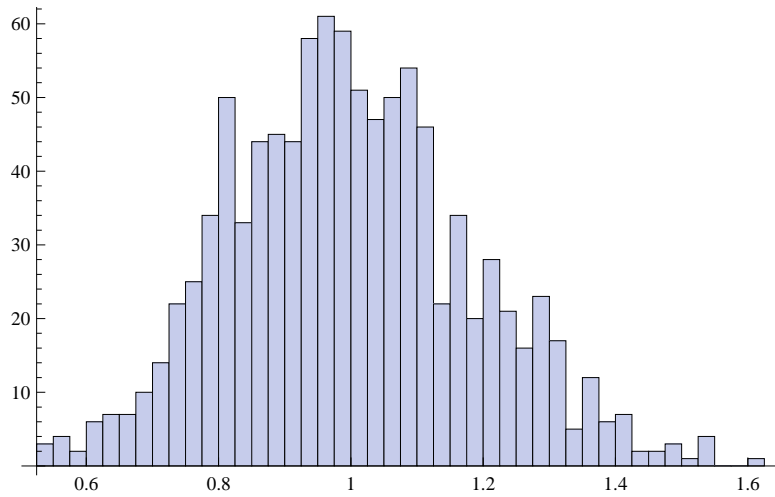
```
Histogram[rvs]
```



```
Mean[rvs]
```

```
0.497393
```

```
n = 30;  
k = 1000;  
dist = ExponentialDistribution[1];  
rvs = Table[Random[dist], {k}, {n}];  
mns = Map[Mean, rvs];  
Histogram[mns]
```



Manipulate[

```
n = nnn;
```

```
k = 1000;
```

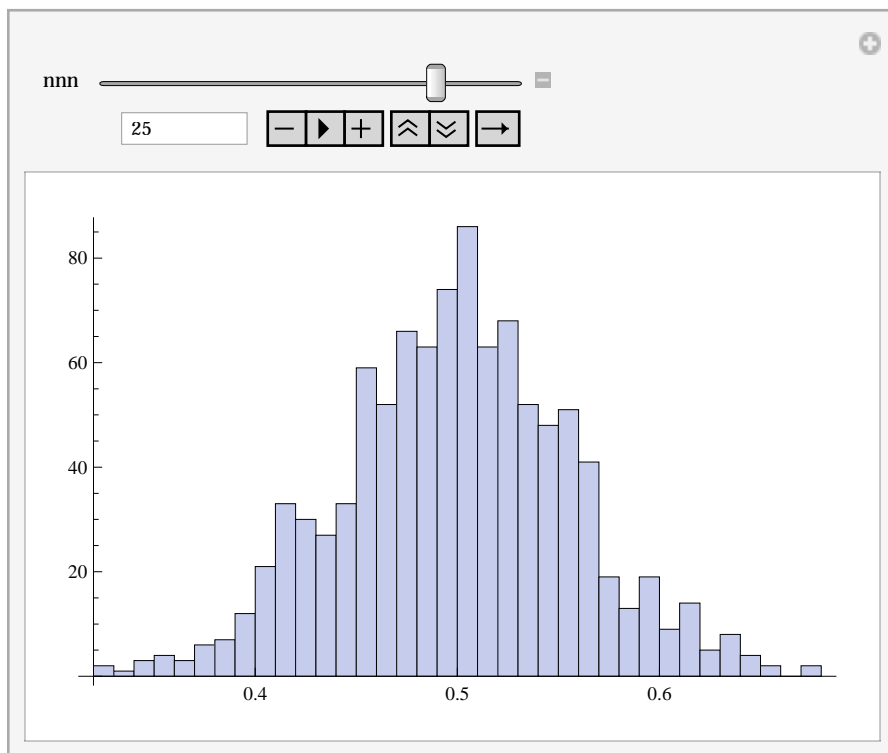
```
dist = UniformDistribution[{0, 1}];
```

```
rvs = Table[Random[dist], {k}, {n}];
```

```
mns = Map[Mean, rvs];
```

```
Histogram[mns]
```

```
, {nnn, 1, 30, 1}]
```



```
Manipulate[  
  Plot[b Sin[a x], {x, 0, 2 π}, PlotRange → {-5, 5}]  
  ,  
  {{a, 1}, 0, 20},  
  {{b, 1}, 0, 3}]
```

