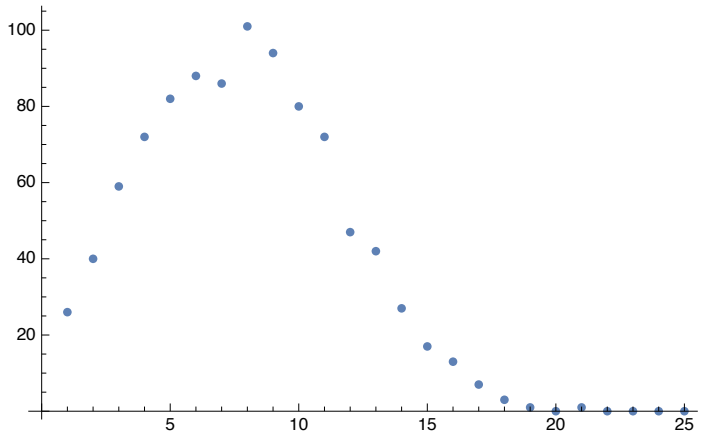
Mean

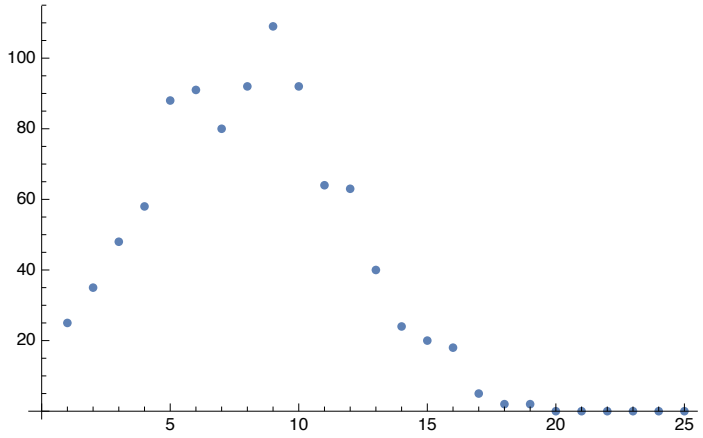
```
counts = Table[RandomVariate[NormalDistribution[7, 4]], {i, 1, 1000}];
yval = BinCounts[counts, {0, 25, 1}];
xval = Table[i, {i, 1, Length[yval]}];
list = Multicolumn[Join[xval, yval], 2] // First
ListPlot[list]
```

```
{{1, 26}, {2, 40}, {3, 59}, {4, 72}, {5, 82}, {6, 88}, {7, 86}, {8, 101},
 {9, 94}, {10, 80}, {11, 72}, {12, 47}, {13, 42}, {14, 27}, {15, 17}, {16, 13},
 {17, 7}, {18, 3}, {19, 1}, {20, 0}, {21, 1}, {22, 0}, {23, 0}, {24, 0}, {25, 0}}
```




```
counts = Table[RandomVariate[NormalDistribution[7, 4]], {i, 1, 1000}];
yval = BinCounts[counts, {0, 25, 1}];
xval = Table[i, {i, 1, Length[yval]}];
list = Multicolumn[Join[xval, yval], 2] // First
ListPlot[list]
```

```
{{1, 25}, {2, 35}, {3, 48}, {4, 58}, {5, 88}, {6, 91}, {7, 80}, {8, 92},
 {9, 109}, {10, 92}, {11, 64}, {12, 63}, {13, 40}, {14, 24}, {15, 20}, {16, 18},
 {17, 5}, {18, 2}, {19, 2}, {20, 0}, {21, 0}, {22, 0}, {23, 0}, {24, 0}, {25, 0}}
```



```
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list = Multicolumn[Join[xval, yval], 2] // First
ListPlot[list]
```
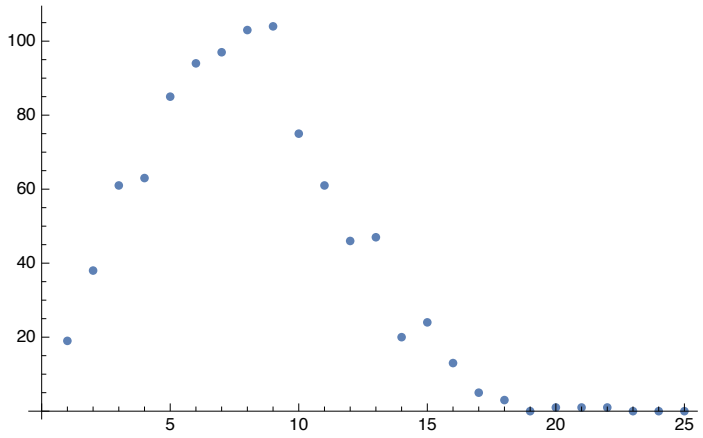

```
{{1, 19}, {2, 38}, {3, 61}, {4, 63}, {5, 85}, {6, 94}, {7, 97}, {8, 103},
 {9, 104}, {10, 75}, {11, 61}, {12, 46}, {13, 47}, {14, 20}, {15, 24}, {16, 13},
 {17, 5}, {18, 3}, {19, 0}, {20, 1}, {21, 1}, {22, 1}, {23, 0}, {24, 0}, {25, 0}}
```




```
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xval = Table[i, {i, 1, Length[yval]}];
list = Multicolumn[Join[xval, yval], 2] // First
ListPlot[list]
```
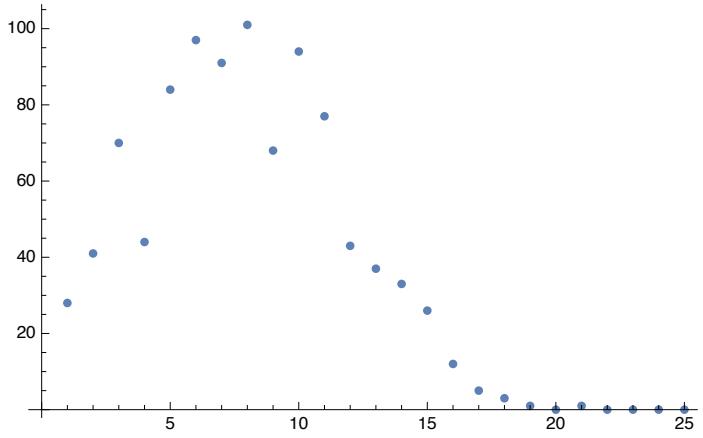

```
{{1, 28}, {2, 41}, {3, 70}, {4, 44}, {5, 84}, {6, 97}, {7, 91}, {8, 101},
 {9, 68}, {10, 94}, {11, 77}, {12, 43}, {13, 37}, {14, 33}, {15, 26}, {16, 12},
 {17, 5}, {18, 3}, {19, 1}, {20, 0}, {21, 1}, {22, 0}, {23, 0}, {24, 0}, {25, 0}}
```



```
counts = Table[RandomVariate[NormalDistribution[7, 4]], {i, 1, 1000}];
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xval = Table[i, {i, 1, Length[yval]}];
list = Multicolumn[Join[xval, yval], 2] // First
ListPlot[list]
```
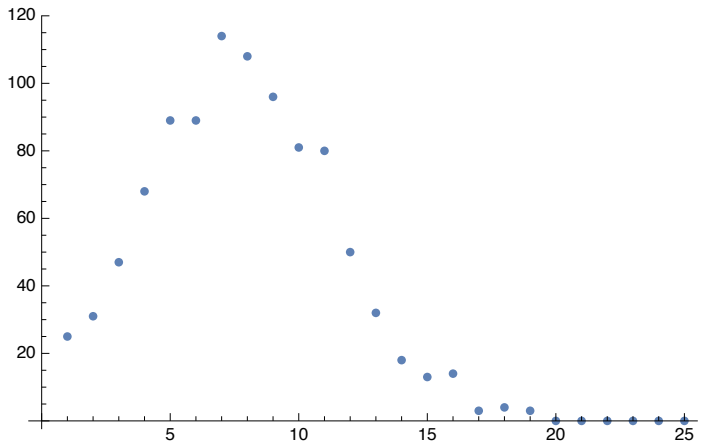

```
{{1, 25}, {2, 31}, {3, 47}, {4, 68}, {5, 89}, {6, 89}, {7, 114}, {8, 108},
 {9, 96}, {10, 81}, {11, 80}, {12, 50}, {13, 32}, {14, 18}, {15, 13}, {16, 14},
 {17, 3}, {18, 4}, {19, 3}, {20, 0}, {21, 0}, {22, 0}, {23, 0}, {24, 0}, {25, 0}}
```



Each plot is different because the code generates a new set each time (following the gaussian distribution). If the seed for the random number generator was controlled for the plots would look identical.