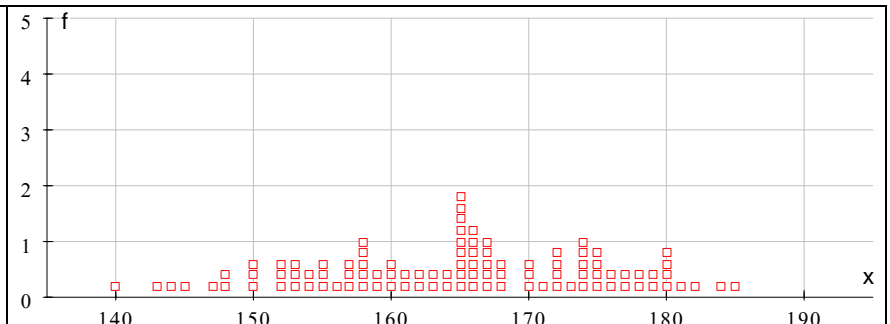
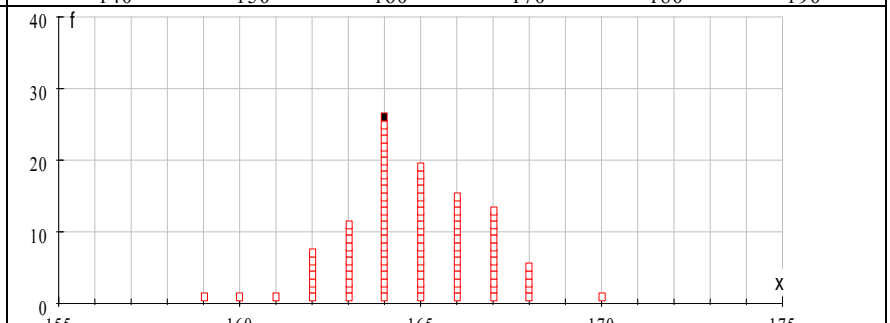
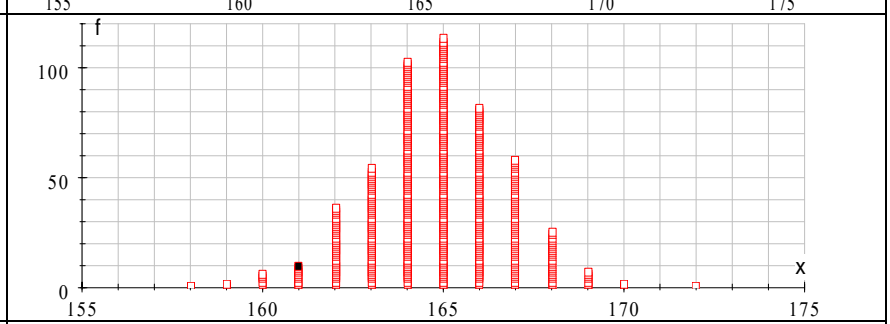
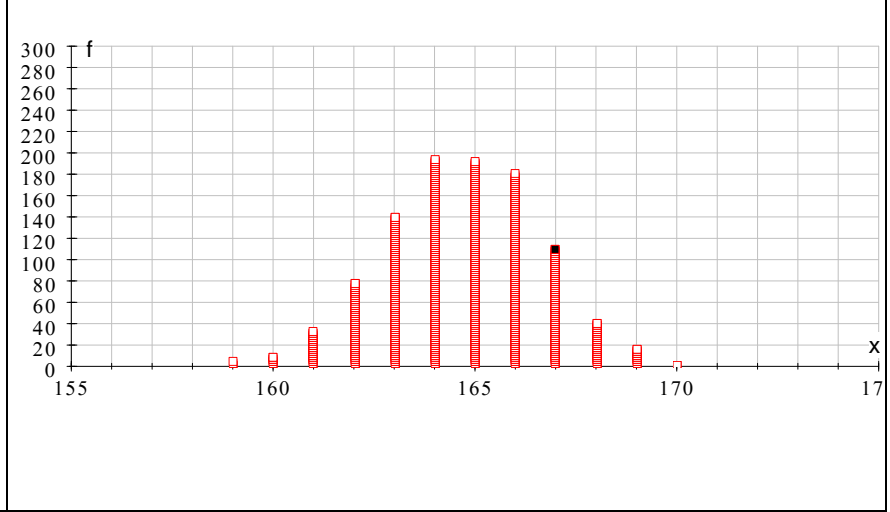
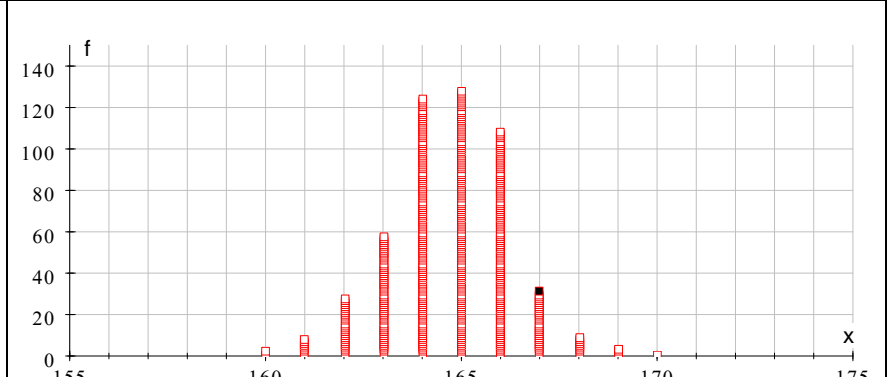


## Handout 2: Different numbers of samples and different sample sizes

<p><b>1.</b></p> <p><b>Dataset</b></p> <p><math>N = 100</math>  Mean: <math>\mu = 164.72</math>  Standard deviation:  <math>\sigma = 10.21</math></p>	
<p><b>2.</b></p> <p>100 samples</p> <p><math>n = 30</math>  Mean: <math>\bar{X} = 164.749</math>  Standard deviation:  <math>\sigma = 1.87734</math></p>	
<p><b>3.</b></p> <p>500 samples</p> <p><math>n = 30</math>  Mean: <math>\bar{X} = 164.768</math>  Standard deviation:  <math>\sigma = 1.87163</math></p>	
<p><b>4.</b></p> <p>1,000 samples</p> <p><math>n = 30</math>  Mean: <math>\bar{X} = 164.672</math>  Standard deviation:  <math>\sigma = 1.8735</math></p>	
<p><b>5.</b></p> <p>500 samples</p> <p><math>n = 50</math>  Mean: <math>\bar{X} = 164.698</math>  Standard deviation:  <math>\sigma = 1.47276</math></p>	
<p><b>6.</b></p> <p>1,000 samples</p> <p><math>n = 50</math>  Mean: <math>\bar{X} = 164.695</math>  Standard deviation:  <math>\sigma = 1.48305</math></p>	