

Simple Statistics

<p>The data:</p>	<p>2, 4, 5, 6, 3, 5, 10, 6, 0, 12, 9, 9, 3, 2, 7, 6, 12, 9, 4, 16, 4, 6, 8, 7, 8, 9, 11, 3, 6, 2, 5, 2, 8, 11, 10, 6, 0, 7, 1, 8, 17, 6, 3, 5, 8, 7, 1, 10, 6, 4</p>	
<p>Preparing the calculator by clearing all lists:</p>	<p><code>2nd</code>[MEM]<code>4</code><code>ENTER</code></p>	<pre> MEM Mgmt 0>About 1:Mem Mgmt/Del... 3:Clear Entries 4:ClrAllLists 5:Archive 6:UnArchive 7↓Reset... </pre>
<p>Enter the data into list L₁</p>	<p><code>STAT</code><code>1</code> <code>2</code>↓<code>4</code>↓<code>5</code>↓<code>6</code>↓ etc....</p>	<pre> CALC TESTS 0>Edit... 1:SortA(3:SortD(4:ClrList 5:SetUpEditor L1 L2 L3 1 --- --- --- 2 4 ----- L1(3)= </pre>
<p>Perform the calculation: (1-Var Stats)</p>	<p><code>STAT</code>▶<code>1</code><code>ENTER</code></p>	<pre> EDIT TESTS 0:1-Var Stats 1:2-Var Stats 3:Med-Med 4:LinReg(ax+b) 5:QuadReg 6:CubicReg 7↓QuartReg </pre>
<p>Interpret the results:</p> <p>(Be careful: of the two figures for standard deviation it is always the SMALLER value you want.)</p>	<p>lower quartile — Q₁=4 upper quartile — Q₃=9</p>	<pre> 1-Var Stats x̄=6.38 ————— mean Σx=319 Σx²=2721 Sx=3.741057364 σx=3.703457844 — standard deviation ↓n=50 minX=0 Med=6 ————— median maxX=17 </pre>