

Features Keywords and other things I need to put in my writing	<h1 style="text-align: center;">Statistical Analysis</h1> <i>I wonder...</i>	Structure What I have to write about.
<p>I notice that in my random sample, the median (variable)(#) for A is this much more than/less than the median (variable)(#) for B.</p> <p><i>*In context*</i> <i>*State values*</i></p> <p>This means that...</p> <p>It is likely/unlikely that...</p> <p>This makes sense because...</p>		Summary Statistics Compare the sample medians and quartiles.
<p><i>*Show calculations*</i> Interpretation of this is your conclusion.</p>		Informal Confidence Interval Calculate.
<p>The shape of the distribution of A (variable) in my random sample is similar/different to the distribution of B variable.</p> <p>Right skew Left skew Normal Clustered... Bimodal Uniform peak (samples need to be large enough to show these features)</p> <p><i>*values**context*</i> <i>*describe what that looks like*</i></p> <p>This means that...</p> <p>The distributional shape of my random sample A (variable) might reflect that back in the population...</p> <p>The distributional shape of my random sample B (variable) might reflect that back in the population...</p> <p>This makes sense because...</p>		Shape Compare the shapes of the distributions.

<p>I notice that in my random sample, the middle 50% of A (variable) are more/less spread out than...</p> <p>The interquartile range of A (#) is x times as wide as...</p> <p>This means that in my random sample there is more/less/a similar amount of variation....</p> <p>More predictable/ less predictable</p> <p>This could be because...</p>		<p>Spread Compare how spread out the data is in each group, focus on the middle 50%, link to the variability in population groups.</p>
<p>I notice that in my random sample, the middle 50% of A (variable) is between # & #. This is shifted to the left of/to the right of.../overlaps...</p> <p><i>*state values of quartiles/ overlapping values as evidence*</i></p> <p>This means that...</p>		<p>Shift / Overlap Discuss the relative position of the middle 50% of your sample data.</p>
<p>I am pretty sure that the population median (variable) for A (population) is somewhere between # and #.</p> <p>Similarly, I am pretty sure that the population median (variable) for B (population) is somewhere between # and #</p> <p>Since these informal confidence intervals overlap/ do not overlap*, I am unable/able to make the call that the population median (variable) for A is bigger than the population median (variable) for B.</p> <p>This means...</p>		<p>Conclusion</p>
<p>My comments – what are we doing well?</p>	<p>What do we need to improve?</p>	
<p>Teacher comments – what do we need to improve?</p>	<p>What are we doing well?</p>	

*If CIs do not overlap, discuss which CI is further up the scale, giving evidence for direction of conclusion