

## Part 9a: Writing Your Own Internal 1

Using the framework below write a report on the diamonds data. You can use the sample internal at the end of the booklet to help you if you need it.

	Diamond Testing	Title is given	
Prob	olem	Comparative question posed and source identified	
		Variables Identified	
Data			
	Diamond Carray by Lab		
Lab	min: 0.3 LO: 0.5 med: 0.7 mean: 0.67098 UQ: 0.895 max 1.1 sd: 0.24422 num: 153	Dot plots and box and whisker plots are produced with	
	min: 0.18 LQ: 0.21 med: 0.3 mean: 0.37747 UQ: 0.52 max 1.01 sd: 0.21409 num: 83	summary statistics	
	0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2  Carat		
Analysis			
		Centre	



	Shift / Overlap
	Spread
	Shape
	Unusual Features given with possible explanations
Diamond Carat by Lab 1  Lab 1  Lab 2  Conclusion	A formal inference is made using resampling
Carat =	The question is answered
-0.1 0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 Difference Between Medians	and
	sampling variation is discussed.