Before making any study in statistics, you need to make sure to gather your data, the following vocabulary brings an introduction to planning a study.

a. Use this online resources to find appropriate statistical definitions of each of the following terms 1-10.

1. <mark>Data</mark>	
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2. Sample vs Population	
2. Sample vs Population	Diagga provide some eventiles
	 Please provide some examples.
3. Sample Survey	

4.	Observational Study.	
5.	Experiment	
6.	The experimental units.	
7.	A randomized block designs.	
		 Make sure to provide definition and examples. A picture is a
		bonus.
0	Matched Pairs Design.	
0.	watched Fairs Design.	
9.	Placebo.	
<mark>10.</mark>	Completely randomized	
	design.	

b.	Please list the five-numbers summary and represent them by whisker plot.
C.	Using the 5-numbers summary, make a whisker plot of the following data, make sure to calculate each number and show your work.
	A sample of 10 boxes of raisins has these weights (in grams): 25, 28,29, 30, 34, 35, 35, 37, 38. This <u>link</u> , can help you the figure out the 5-numbers.
d.	Give a statistical definition to categorical variable and quantitative variable, with some examples.