

DOUA : Define, coulet, organize, Visulization, Analyse C ategorical Numerical oravial D ratio (ranking) internal ( height, (ACT, SAT. weight, (°, F°) when the resourcher commot get salary) a complete list of the members of a population alist of subjects so where prostered samples i without regard to Pa Vs. Random samples: Probability Samples a goodsituationty = 0 simple representation of the @ May not be a good represe camples More cost effective, sawing the duster ) two or System matic Snowland Convinience Simple less efficient Judgemont the doired use college close to each other Bunits apulation) sample atudents based on D the first may be very similar Judgenard is voice and hord D when the equation is heterogeneous / dissimilar, where certain homos researcher simple one Must be or similar, sub-populatins can be isolated (strata) Using formalize conficient homogeneou @ simple random stempling is mostly appropriate when the entire a = first membe come du population from which the sample is taken is homogeneous. 5 th mombers Advam: Dideal ensure the representation @ reduce litelihood acoss the entire population O spread more of bias @ easien @ Better coverage Disadum Dhand to achieve 3 accurate list of than simple 2 convinient whole population Pisadvan: may intoract with some midden pattern @ expensive Dificulty in identitying appropriate in the bolongin stra swoy emrc = emore: coverage error or celection bits: lever aged & Sampling error: random difficeronces by surrey & Sampling error: from campe to sample. obsigners of measurement error: bad or leveling Categorical Numerical re ethanical issue Problem. ordered arrays Two cate gorical Frequency distributions & complative Distributive One categorical stom-and-leaf vanable vanable percentage Con tigonay 37% Frequency Midpoints Class Toble 15 104 X <20 No Yes Total Summany 20 EXC30 25 170 20 170 Small 30 E X C40 35 Table 40 € XCDO # Medium 100 40 140 15 70 Total DATOT No Yes Total Relative & percontal Smay 42578 508 47,50% Cumulatie Medium 500% 10 00% 3509, Large 4.42/17547.0% Frequency Distribution Frequency Dictiont Camulte Perontage Rejotie Frequency class 15% 15% 3 3 p 15 Percentage of Column Totals Percentage of Renutotals 30% 6 30% . 30 25% 14 325 25% 5 Yes Total 20% 920 20% Potal No Yes 10 10/2 Small 3071% 20 Smay 189,478 10.53% 180% Total 20 1.00 Neclium 29 100% 20 Medium 71.438 28.5/61000% Longe 9288 7.158 100.0% erge (4.402 7.699