Why PS Statistics important?

So, you have to make decisions, right ?

How do you make a decision? we use our gut some, but idealy, we want it to be based some on intosmation, Data is important, because sometimes our gut is very wrong But also more you understand statisfics, the better your gut feelings get.

First we have learn how to gather înformation. if you gather the information incorrectly, it's worth less. if jour have only asked your wife and your best friend "does this dress make my but look big?" you've gotton worse than no information, you have the potential toe misintot mation.

once you learn how to collect good late, how do we organize it ? How do we summarize and describe it in a way that becomes meaningful and easier to deal with 9 How do we Visuarize it ?

Now we have our information and we've organized it, what conclusions can be drawn? A set of Numbers Coun tell many different stories, How do we make it touch of what are its similations 9 what additional information do we need to make your decisions ?

Sure, there are areas where Statistics is used more toemally, Namely business, science, and engineering. But really any time there are decisions to be made, whether they are personal decisions or professionals ones, a soild understanding of statistics can witimately help you make better ones.

- What are the most important toppes in statistics 9 There are many important topics in statistics, but some of the most fundamental and widery used topics include 1. Descriptive statistics: - It consists of organizing and Summarizing data

1. Measure of central tendency & Mean, Median, Mode & Measure of Disporsion of Variance, Standard deviation Different types of Distribution of dodg Eg: Histogram, Pdf, proof, cdf. le paf HPStograms BAR CHART Inferential statistics: - It consists of a technique to form [conclusions] Condusion Hypothesis Testing Eg:- pvalue, 2 test, t-test, chi square test Annova test 3. Probabaity Theory: - This is the study of the isketshood of event occurring, and HI toundational to many Stastistical methods 4. time series Analyises: - This Privolves analysing The data that PJ collected over a time, such as stock price, weather price patterns, and is used to make predictions about tuture values