	INTERVIEW DAY- CONTINUOUS VE CATEGORICAL.
	TEST T test Z test ANOVA.
	GROUP 2 Group 2 Group >2 Group
	(total rows) N = 50 N > 30
	9) What is T test? (Explain the same for Z test).
	Ans - It works good with normal distribution. - It est assess whether the mean of two groups are statishically different from each other.
	- Thest assess whether the mean of two groups are statistically
	different from each other!
	T test = Difference between mean of two groups = M2-M1 Standard error of difference between mean = SE of difference mean.
	standard error of difference between mean se of mean.
	A big T- value = Different group A small T-value - Similar
)	- Each t- value has a p-value. The p-value tell's us the likelihood that
	there is a real-difference.
	- P value will tell us if two group are real different or just by a fluke.
	I value is the probability that the pattern of data in the sample could
	be produced by a random state. If CI is at 95% level.
	p = 0.10, there is 10% chances there is no real difference (rejected)
	p=0.04, there is 4% chances there is no real difference (accepted)
	p=0.02, those is 2% chances there is no real difference (accept)
	a) what is the NULL hypothesis and alternate hypothesis in Trest?
	Ttest, Null -> Thore is a difference between means of two group. Alternate -> Thore is a difference between means of two group.
	Null hypothesis means two group are equal by mean.
	so, if p value < alpha level on p value < 0.05, we can reject the
	null hypothesis that there is no difference between means (NULL).
	De to trop groups Mans (Group) = 40 and Micor (Group) = 60
	B) suppose there are two groups. Mean (Groups) = 40 and Mean (Groups) = 60 So difference of mean is 20. So why not different say mean of two Group (Groups and Groups) are different, rather than use T test?
	Chroup (Group , and Groups) are different, rather than use Ttest?
	- Yes difference of mean is 20, but we can't be sure if its reliable difference
	Typose we toss a coin 100 times and found head = 52 and tail = 48.
	so this doesn't suggest, we will get heads more in future. This is only a chance.
	15 only a chance.
	Bo we use Inferential statistics rather than Desorphive statistics. (Doesn't happen by a Chance) (Can be happen by a chance)
	(The share)

DESCRIPTIVE STATISTICS

- 1) Gives information about raw data which describe data in some manner,
- 2) It is used to describe a situation. Eg mean of the solary of population.
- 3) It explain already known data and limited to a sample/ population having small size.
- 4) Example -> Mean, median, range, mode, 30

INFERENTIAL STATISTICS

- 1) Makes inference about population using data drawn from population.
- 2) It is used to explain the chance of occurrence of the event. (p values).
 - 3) it attempts to reach the conclusion about the population.
 - 4) Example Ttest, Ztest ANOVA etc.

Interental statistics allow you to make predictions by taking a small sample instead of working on whole population.

- a) What type of t-test should I use?
- Ans > 1) One sample, two sample, pair test.
 - a) Paired +-test -> If the groups comes from single population Eq measuring before & after an experiment treatment.
 - b) Two sample t-test > If the groups comes from two different population (Independent t test) Eq two different species /people from two seperate cities.
- c) One-sample test > If there is one group compared against standard volve. Eg comparing acidity of a liquid to nowhol pH 7.
 - 11) one tailed or two tailed test.
 - a) two tailed + test -> If we want to know only care whether two population are different from one another,
- b) One tailed t test > If we want to know whether one population Mean is greater than or less than the other.
- Ans suppose Fixed deposit tenure (Jyear/24/54) differ by Gender (male)
 - Our observation comes from two different population (mole, female), use
 - two sample t-test: - we don't care direction of difference, only whether there is difference, only whether there is difference, so we choose two tailed t-test. NULL- No difference, both are some so we choose two tailed t-test. Alternate - Both are different. So based on Pralue we decide to reject/accept Null bypothesis