2. Samples (How many Samples). 1) I sample > Testing The Izelevant Steetistic -> s. compare a proportion or against the hypothesized value. proportion of against a grants or gra Tests 184 2) Two samples -> compared with each other by compare 4 compare two different wor Teas: 2,5 de of people on Tivings e.g men & womeon or people from 2 various de nes e-g Tests: 3,6,7 coon, on grade. 3) one sample, two measures > Same Sample measured turce. Lyeg one set of days & informat on how many ice creams are sold & what the temp was. 3. Purpose: (purpose of Analysis)? 1) Test against the hypotherized value. 2) Comparing two Statistics 3) Looking for a relation thip. Tens 3 & 6 Lo Similar and They are looking at The pelationship b/w two Marcables. - Difference is in The type of data. -> homerize in a table (chi square) -> Scatter proof (Regression)

- The quantity of nuts was suggicient in her documenties?

 She took a sample of 20 packets & found the weight of nuts in each packet?
 - 1) Data: Weight is interval and nationalata.
 - 2) Samples: 1 sample of 20 packets
 - 3) Purpose : comparing against a given value.

Test for a Meem.

- 2) In a promotional campaign 20% of all packs
 of choconutties should include tickets for free prizes.

 A taken a samples of 50 packets & find 7 & Them
 have wiming tickets
 - 1) Data: Yes/No. (Nominal)
 - 2) Samples: one sample of 50 packets.
 - 3) Purpose: Test against a given Value 201.

Test for Proportion

he

- 3) Bar longerity compared with nutlabors, A Hanks his pher Chaconuties last longer than the competitive nutribors 14e/She gets 36 people to eat one of each, & records their eating times.
 - 1) Pata: Time (in secs/mins) Interval/ratio
 - 2) Samples: Once samples of 36 people with 2 scores
 - 3) purpose: relationship (Difference in the amount of time taken for each of the bors).

Difference of two means (paired)

4. Defective wrapping from two wrapping machines, A winks There is a difference in performance between wrapping Machines in his/her factory. He/she checks 200 bors from From 1 machine & 150 bars from the other For each bor he/she is seeing if the wrapping Satisfactory on not? He/She finds that 10 out of 200 bars from the first machine & 9 out of 150 7000 2nd machine are badly wrapped.

1) Data: Nominal
2) Semples: 2 Samples (each from two snachines)

3) Purpose: Comparing The proportions from two Samples.

Test for Difference of Two proportions

5. Mr. A is exploring whether having free Stickers makes a difference to sales. He Ishe has The sales Figures for 13 days when she/she did offer Free stickers & 10 days when she/he did not.

1) Data: Interval/Ratio (Sales) Summarize (Mean

2) Samples: Two Samples

3) Pumpose: Comparing two statistics.

Difference two means Independent Samples