

FORMULAS PRACTICE

STA 203

STATE THE FORMULAS

1 a Mean : Ungrouped, Exact, Assume, Coding

b Mode : Ungrouped and grouped

c Median : Ungrouped and grouped

MEASURES OF LOCATION / CENTRAL
TENDENCY

2 a Fractile : ^(upper, lower) Quartiles, Percentiles, Deciles, Inter Qu., Semi-Inter Qua...

b Sample Mean Deviation : Ungrouped and grouped

c Variance : Ungrouped and grouped

d Standard Deviation : Ungrouped and grouped

e Coefficient of Variation : C.V

MEASURES OF DISPERSION / SPREAD OF Variability

3 a Permutation : With Replacement and Without Replacement

b Combination : With Replacement and Without Replacement

PROBABILITY

4 a Bernoulli : Distribution Function, Mean, Variance

b Binomial : Distribution Function, Mean, Variance

c Poisson : Distribution Function, Mean, Variance

d Geometric : Distribution Function, Mean, Variance

e Negative Binomial : Distribution Function, Mean, Variance

f Hyper Geometric : Distribution Function, Mean, Variance

PROBABILITY DISTRIBUTION (Discrete)

5 a Test Value : T.S

b Proportion Form : Z, P^{\wedge}, P, q

c Comparison of Sample Variance or S.D : $\sigma^2, n, s^2, \sigma^2$

TESTING OF HYPOTHESIS

6 a Correlation : Pearson's and Spearman's Coefficient of Variation

b Regression : y, a, \bar{y} and \bar{x}, b

CORRELATION & REGRESSION

7 a ANOVA : Draw Table with formulas, TSS, Trss, E_{ss}

b Meaning : $k, n, SV, DF, SS, MSS, F_{cal}, F_{tab}$

ANALYSIS OF VARIANCE