Difference blw ANOVA, MANOVA, ANCOVA, MANCOUA. One way ANOVA Independent Variables 1) ependent Variable (factor) (Response) Level of Education Test Score (High School, Collage Degree, Graduate Degree) Two way ANOVA Dependent Variable Independent Variables (factors) Student Category Freshman, Sophomore, student's Junior, Senior ... Mappiness Scores (factors) Types of Restaurants Baldy's, Swoops, The Roost

ANCOVA (One way)	
9ndependent Variables (factor) Level of Education (High School, Collage Regree, Graduate Degree	Dependent lawa (Response) Test Score
(Covariate) Number of Hours spent Studying	
ANCOVA (Two way) Independent Variables (Factor) Diet (Diet, NoDiet) (Factor)	Dependent Vaniable (Response) Cholesterol
Exercise (low, moderate, High) (covariate) Weight	

One Way Manova

Independent Variable (factor)

Dependent Mariable (lesponse)

level of Education (High School, Collage Degree, or andwate, marter)

Textscore

(Response)

Annual Income

Two way MANOVA

Independent Variables (factor) Dependent Vaniables (Response)

Level of Education CHigh School, Creadwation, Martey ...) Test Score

(factor)

(Response)

Type of School/Collage Private, Central, State University

Annual Income

MANCOVA (one way)	
Independent l'aviables (factors)	Dependent Variables (Response)
Characterist)	Test Score
(Covariate)	(Response)
Number of Hrs spent studying	Annual Income