

Stats Lecture Directory

Topic	Lecture
2 group discrim	Lecture 6, 7
3 group discrim	Lecture 9, 6, 7
Adequacy of factor solution CFA	Lecture 12
ANOVA via Regression	Lecture 6
Assumption violation strategy multiple regression	Lecture 4
Assumptions Discrim	Lecture 6, 7
Assumptions multiple regression	Lecture 4, 5
Bivariate stats defined	Lecture 1
Box's M	Lecture 7
Canonical correlations squared discrim	Lecture 7
Case of the third variable problem	Lecture 2
Categorical variables and sequential regression	Lecture 6
Centroid plots discrim	Lecture 7
CFA adequacy of factor solution	Lecture 12
CFA checklist for interpretation	Lecture 12
CFA Factor indeterminacy problem	Lecture 12
CFA factorability	Lecture 12
CFA interpretation	Lecture 12
CFA introduction	Lecture 12
CFA modeling data	Lecture 12
CFA number of factors and rotation	Lecture 12
CFA Principal axis factoring (paf)	Lecture 12,13
CFA representations	Lecture 12
CFA SPSS	Lecture 12
CFA type of rotation	Lecture 12
Checking data multiple regression	Lecture 4
Checklist for interpretation of CFA	Lecture 12
Choice of factor model	Lecture 12
Classification Discrim	Lecture 7
Communalities FA via PCA	Lecture 11, 12
Comparing multiple regression and Discrim	Lecture 7
Confidence Intervals (standardised regression weights)	Lecture 3
Cooks D (multiple regression)	Lecture 5, 6a
Correlation causation problem	Lecture 2
Correlation coefficient (factors influencing)	Lecture 4,5
Correlation matrices used in FA	Lecture 12
Correlation Overview	Lecture 2, 13
Correlation summary slide	Lecture 13
Correlations ie semi partial, partial etc (multiple regression)	Lecture 3
DATA = MODEL + RESIDUAL FA via PCA	Lecture 11
Data checking Multiple regression	Lecture 4
Data= Model + Residual (general)	Lecture 2

DATA=MODEL +RESIDUAL summary	Lecture 13
Deciding number of factors FA via PCA	Lecture 11, 12
Discrim Assumptions	Lecture 7
Discrim canonical correlations squared	Lecture 7
Discrim centroid plots	Lecture 7
Discrim classification	Lecture 7
Discrim eigenvalue intro	Lecture 6, 7
Discrim F-To-Remove	Lecture 7
Discrim homogeneity	Lecture 7
Discrim Homoscedasticity	Lecture 7
Discrim interpretation	Lecture 7
Discrim Matrix of pairwise F and group means discrim	Lecture 7
Discrim multicollinearity, singularity	Lecture 7
Discrim Outliers	Lecture 7
Discrim overall statistical significance	Lecture 7
Discrim partial eta squared	Lecture 7
Discrim pillais measure	Lecture 7
Discrim pooled within groups matrices	Lecture 7
Discrim redundant variables	Lecture 7
Discrim Relative importance of variables	Lecture 7
Discrim relative weights (dxs)	Lecture 7
Discrim representations	Lecture 6,7
Discrim SPSS	Lecture 7
Discrim SPSS output group separation	Lecture 7
Discrim standardised discriminant function coefficients (d)	Lecture 7
Discrim structure coefficients	Lecture 7
Discrim testing the overall strength	Lecture 6, 7
Discrim Univariate F	Lecture 7
Discrim –variates and centroids	Lecture 9
Durbin- Watson statistic (independence multiple regression)	Lecture 4, 5
Eigenvalue intro discrim	Lecture 6, 7
Eigenvalues less than 1 FA via PCA	Lecture 11
Eta squared discrim	Lecture 7
Euler PCA	Lecture 10
Euler representation Discrim	Lecture 6, 7
Extraction of Sums of Squared loadings FA via PCA	Lecture 12
FA via PCA communalities	Lecture 11,12
FA via PCA deciding number of factors	Lecture 11,12
FA via PCA eigenvalues less than 1	Lecture 11
FA via PCA Extraction of sums of squared loadings	Lecture 12
FA via PCA Factor loading matrix	Lecture 12
FA via PCA factor scores	Lecture 11
FA via PCA importance of factors	Lecture 11
FA via PCA intro	Lecture 11
FA via PCA Loading matrices	Lecture 11
FA via PCA number of factors problem	Lecture 11

FA via PCA oblique rotation	Lecture 11
FA via PCA orthogonal rotation	Lecture 11
FA via PCA parallel analysis	Lecture 11
FA via PCA rotation problem	Lecture 11
FA via PCA scree plot	Lecture 11
Factor Analysis (CFA) choice of model	Lecture 12
Factor indeterminacy problem	Lecture 12,13
Factor loading matrix FA via PCA	Lecture 12
Factor scores FA via PCA	Lecture 11
Factorability CFA	Lecture 12
Factors influencing the correlation coefficient in multiple regression	Lecture 4, 5
F-To-Remove Discrim	Lecture 7
Group separation discrim SPSS output	Lecture 7
Hierarchical regression	Lecture 5, 6a
Homogeneity discrim	Lecture 7
Homoscedasticity discrim	Lecture 7
Importance of factors FA via PCA	Lecture 11
Importance of predictors (MR) interpretation of SPSS	Lecture 4
Importance of Residuals in regression	Lecture 4,5
Independence multiple regression	Lecture 4, 5
Independent and dependent variables (definition)	Lecture 1
Indicators of importance (multiple regression)	Lecture 3
Influential data points multiple regression	Lecture 5, 6a
Interactions with continuous predictors (multiple regression)	Lecture 6
Interpretation of CFA	Lecture 12
Interpretation of discriminant analysis	Lecture 7
Linear composites in Multivariate analysis summary slide	Lecture 13
Linear Composites Intro and summary	Lecture 2
Linearity assumption multiple regression	Lecture 4, 5
Mahalanobis distances (multiple regression)	Lecture 5, 6a
Matrices introduction	Lecture 1
Matrix of pairwise F and group means discrim	Lecture 7
Matrix representation Discrim	Lecture 6, 7
Matrix representation PCA	Lecture 10
Modeling Data in CFA	Lecture 12
Moderated and mediated variables	Lecture 6
Multicollinearity , singularity discrim	Lecture 7
Multicollinearity /singularity (multiple regression)	Lecture 5, 6a
Multiple regression and categorical variables	Lecture 6
Multiple regression assumptions	Lecture 4, 5
Multiple regression –cooks D	Lecture 5,6 a
Multiple Regression –Data= Model + Residual	Lecture 2, 13
Multiple Regression DATA=Model+ Residual	Lecture 13
Multiple regression importance of residuals	Lecture 4,5
Multiple Regression –indicators of importance (standardised reg weights etc)	Lecture 3
Multiple regression influential data points	Lecture 5, 6a

Multiple regression –interactions with continuous variables	Lecture 6
Multiple regression linearity	Lecture 4, 5
Multiple regression –mahalanobis distances	Lecture 5,6a
Multiple regression moderated/ mediated variables	Lecture 6
Multiple regression multicollinearity / singularity	Lecture 5, 6a
Multiple regression normality	Lecture 4, 5
Multiple regression outliers	Lecture 4,5
Multiple Regression Overview	Lecture 2, 13
Multiple Regression Relative Weights	Lecture 3
Multiple Regression types	Lecture 3
Multiple regression v discrim	Lecture 7
Normality regression	Lecture 4, 5
Number of factors and rotation CFA	Lecture 12
Number of factors problem FA via PCA	Lecture 11
Oblique rotation FA via PCA	Lecture 11
Orthogonal rotation FA via PCA	Lecture 11
Outliers and influential data points (multiple regression)	Lecture 5, 6a
Outliers Discrim	Lecture 7
Outliers on criterion	Lecture 5, 6a
Overall statistical significance Discrim	Lecture 7
Parallel analysis test FA via PCA	Lecture 11
Partial eta squared discrim	Lecture 7
PCA algebra	Lecture 10
PCA Design Issues	Lecture 10
PCA example of types of questions	Lecture 10
PCA intro	Lecture 10
PCA matrices	Lecture 10
PCA purposes	Lecture 10
PCA representations	Lecture 10
Pillais measure discrim	Lecture 7
Pooled within groups matrices –discrim	Lecture 7
Principal axis factoring (paf)	Lecture 12,13
Prisoner example discrim	Lecture 6, 7
Redundant variables discrim	Lecture 7
Regression Diagnostics	Lecture 4
Relative importance of variables discrim	Lecture 7
Relative weights (dxs) discrim	Lecture 7
Relative Weights calculation Multiple regression	Lecture 4
Relative Weights Multiple Regression	Lecture 3
Reproduced correlation matrix FA via PCA	Lecture 11
Restriction of range, factors effecting the correlation coefficient	Lecture 4 ,5
Ridge Regression	Lecture 3
Rotation of loading matrix FA via PCA	Lecture 11
Rotation problem FA via PCA	Lecture 11
Scree plot FA via PCA	Lecture 11
Semi-partial/ partial correlation (multiple regression)	Lecture 3

Sequential (hierarchical) regression	Lecture 5, 6a
Sequential or hierarchical regression	Lecture 3
Significance Testing (standardised regression weights)	Lecture 3
Simple checks multiple regression	Lecture 4
Simple correlations (multiple regression)	Lecture 3
SPSS – FA via PCA	Lecture 12
SPSS CFA	Lecture 12
SPSS Confidence intervals	Lecture 4
SPSS example interpretation CFA	Lecture 13
SPSS interpretation discrim	Lecture 7
SPSS Multiple Regression Procedure	Lecture 3
SPSS output discrim assumptions	Lecture 7
Spss Output interpretation for multiple regression	Lecture 4
SPSS relative importance measures discrim	Lecture 7
SPSS sequential regression	Lecture 5, 6a
Standard or simultaneous regression	Lecture 3
Standardised Regression weights	Lecture 3
Standardized discriminant function coefficients (d)	Lecture 7
Statistical significance of overall relationship multiple regression	Lecture 4
Stepwise regression	Lecture 3
Strength of the overall relationship –multiple regression	Lecture 4
Structure coefficients (s) discrim	Lecture 7
Studentised deleted residual (multiple regression)	Lecture 5, 6a
Testing the overall strength Discrim	Lecture 6, 7
Type of rotation CFA	Lecture 12
Univariate checks multiple regression	Lecture 4
Univariate F	Lecture 7
Univariate stats defined	Lecture 1
Variance and covariance	Lecture 13
VAriates and centroids discrim	Lecture 9
Vector PCA	Lecture 10
Wilks Lambda	Lecture 6, 7