



Statistical Analysis List

Thesis & Paper

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Methods & Tests	Plan	Admission
Parametric Tests	<ul style="list-style-type: none">✓ One Sample T-Test✓ Two Independent Samples T-Test✓ Two Paired Samples Test	View
Missing Values	<ul style="list-style-type: none">✓ Replace Missing Values✓ Method Missing Values	View
GraphPad Prism	<ul style="list-style-type: none">✓ Graphs & Tables✓ Parametric & Non-parametric Tests✓ Design of Experimental✓ Descriptive Statistic✓ One-way & Two-way ANOVA✓ Kaplan-Meier✓ Sensitivity & Specificity	View
Power & Sample Size Estimation	<ul style="list-style-type: none">✓ Power Calculation✓ Sample Size✓ Statistical Plan	View
Trend Analysis	<ul style="list-style-type: none">✓ Time Series Plot✓ Linear Trend Model	View
Goodness of fit	<ul style="list-style-type: none">✓ Normal Distribution✓ Poisson Distribution	View
One-way ANOVA	<ul style="list-style-type: none">✓ F Statistic✓ Post Hoc Tests✓ Homogeneity of Variance	View
Non-Parametric Tests	<ul style="list-style-type: none">✓ Mann-Whitney U✓ Wilcoxon✓ Kruskal-Wallis H✓ Friedman	View
Chi-square Tests	<ul style="list-style-type: none">✓ Crosstabs✓ Custom Tables✓ Independent Tests	View





Dimension Reduction	<ul style="list-style-type: none"> ✓ Factor Analysis ✓ KMO & Bartlett's Test 	View
Survival Analysis	<ul style="list-style-type: none"> ✓ Kaplan-Meier ✓ Cox Regression 	View
Cohen's Kappa Coefficient	<ul style="list-style-type: none"> ✓ Agreement Kappa ✓ Measurement Agreement 	View
Design Experiments & Two-way ANOVA	<ul style="list-style-type: none"> ✓ General Linear Model ✓ Univariate ✓ Multiple Comparison ✓ LSD, Duncan & Bonferroni 	View
Correlation Coefficient	<ul style="list-style-type: none"> ✓ Pearson ✓ Spearman ✓ Kendall's 	View
Reliability Analysis	<ul style="list-style-type: none"> ✓ Scale ✓ Cronbach's Alpha 	View
Descriptive Analysis	<ul style="list-style-type: none"> ✓ Statistic & Tables ✓ Graph ✓ Central & Tendency Measure ✓ Weight Cases ✓ Split File 	View
Multivariate Regression Model	<ul style="list-style-type: none"> ✓ Automatic Linear Modeling ✓ Linear Regression Model ✓ Residuals ✓ Regression Coefficient ✓ Logistic Regression 	View

