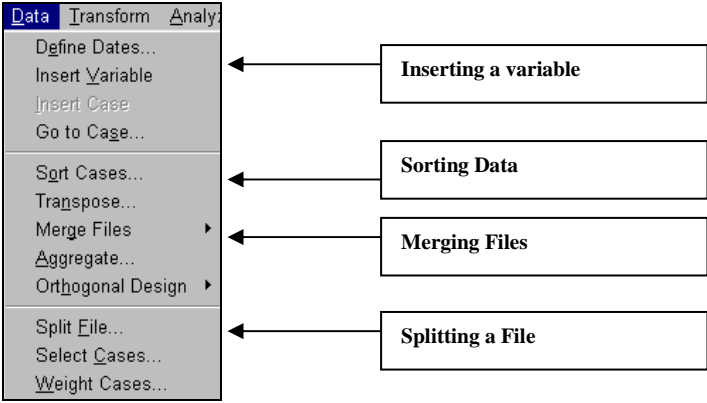
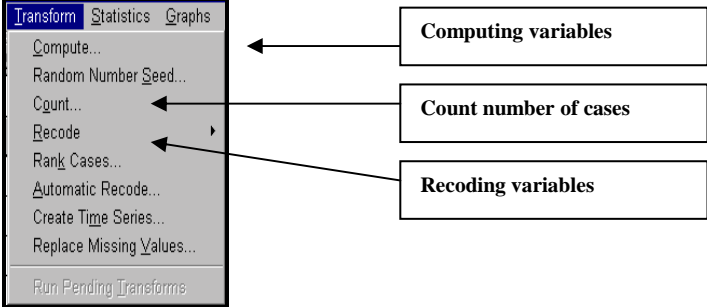
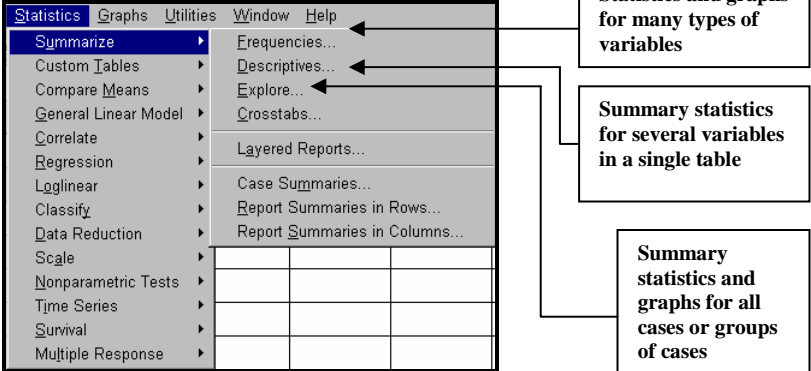
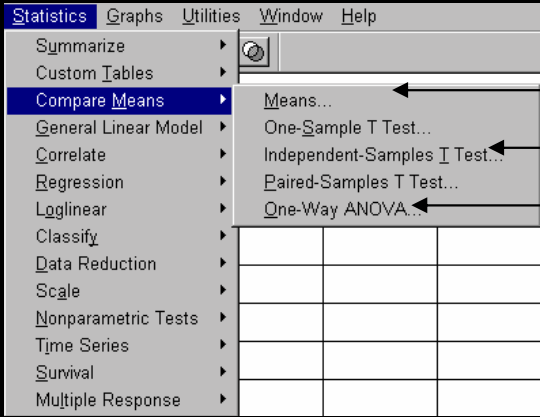
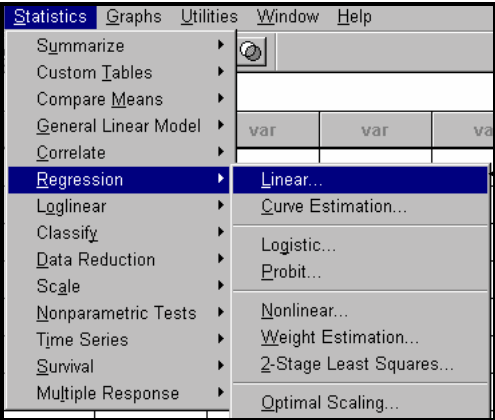
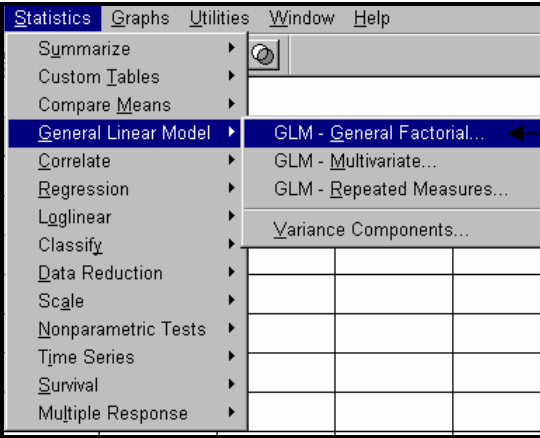
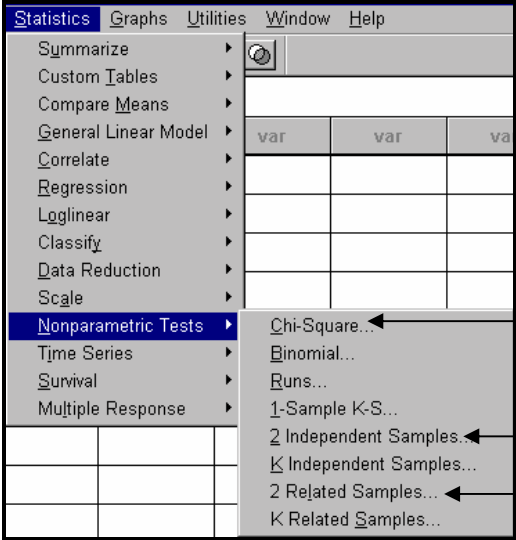


# REVIEW OF SPSS FEATURES USED IN STAT 252

In this section we summarize the most important SPSS tools that will be used in Statistics 252 laboratories. In order to use a tool in SPSS, click the tool in the menu to get a dialog box displayed. To get information about dialog box controls, right-click the control you want to know about.

TOPIC	SPSS TOOLS
<p style="text-align: center;"><b>DATA EDITING</b></p>	 <p>The screenshot shows the 'Data' menu with the following items: Define Dates..., Insert Variable, Insert Case, Go to Case..., Sort Cases..., Transpose..., Merge Files, Aggregate..., Orthogonal Design, Split File..., Select Cases..., and Weight Cases... Callouts point to 'Insert Variable', 'Sort Cases...', 'Merge Files', and 'Split File...'.</p>
<p style="text-align: center;"><b>DATA TRANSFORMATIONS</b></p>	 <p>The screenshot shows the 'Transform' menu with the following items: Compute..., Random Number Seed..., Count..., Recode, Rank Cases..., Automatic Recode..., Create Time Series..., Replace Missing Values..., and Run Pending Transforms. Callouts point to 'Compute...', 'Count...', and 'Recode'.</p>
<p style="text-align: center;"><b>DESCRIPTIVE STATISTICS</b></p>	 <p>The screenshot shows the 'Statistics' menu with the following items: Summarize, Custom Tables, Compare Means, General Linear Model, Correlate, Regression, Loglinear, Classify, Data Reduction, Scale, Nonparametric Tests, Time Series, Survival, and Multiple Response. Callouts point to 'Erequencies...', 'Descriptives...', 'Explore...', 'Layered Reports...', 'Case Summaries...', 'Report Summaries in Rows...', and 'Report Summaries in Columns...'.</p>

TOPIC	SPSS TOOLS
<p style="text-align: center;"><b>COMPARING MEANS</b></p>	 <p><b>Subgroup means and related statistics</b></p> <p><b>Two-independent samples t-test</b></p> <p><b>One-Way ANOVA (links to contrasts and multiple comparisons)</b></p>
<p style="text-align: center;"><b>REGRESSION</b></p>	 <p><b>Linear Regression</b> (regression coefficients, correlation matrix, partial correlations, <math>R^2</math>, adjusted <math>R^2</math>, s, ANOVA-table, residuals, diagnostics)</p>
<p style="text-align: center;"><b>GLM GENERAL FACTORIAL ANALYSIS</b></p>	 <p><b>General Factorial Model</b> model (full or custom) contrasts, profile plots, multiple comparisons, diagnostics, residuals</p>

TOPIC	SPSS TOOLS
<p><b>NONPARAMETRIC STATISTICS</b></p>	 <p>The screenshot shows the SPSS Statistics menu with the following items: Summarize, Custom Tables, Compare Means, General Linear Model, Correlate, Regression, Loglinear, Classify, Data Reduction, Scale, Nonparametric Tests, Time Series, Survival, and Multiple Response. The 'Nonparametric Tests' sub-menu is open, showing: Chi-Square..., Binomial..., Runs..., 1-Sample K-S..., 2 Independent Samples..., K Independent Samples..., 2 Related Samples..., and K Related Samples... Three arrows point from text boxes on the right to 'Chi-Square...', '2 Independent Samples...', and '2 Related Samples...'.</p> <div style="display: flex; flex-direction: column; align-items: flex-end; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Computes a chi-square statistic</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Mann-Whitney U test</div> <div style="border: 1px solid black; padding: 5px;">Wilcoxon signed-rank test, sign test</div> </div>