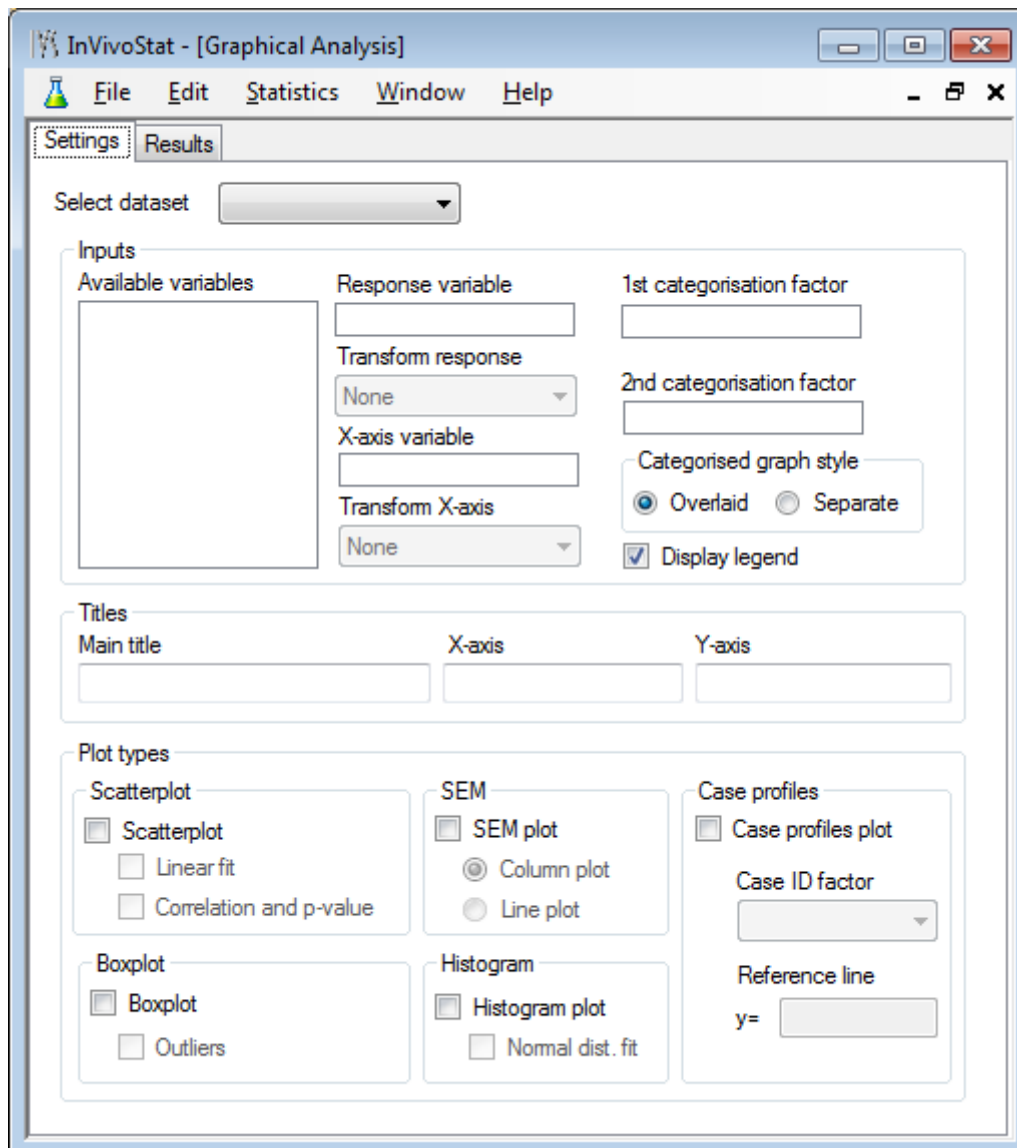


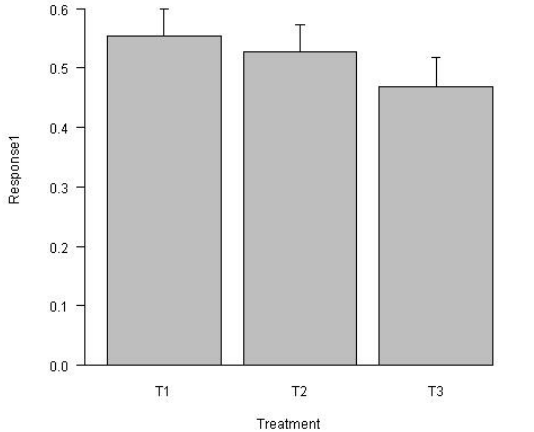
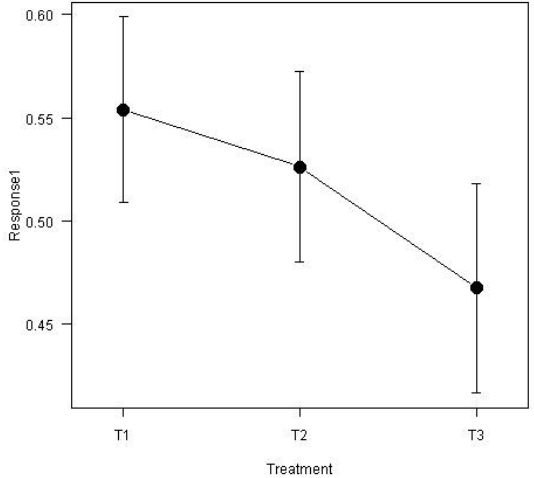
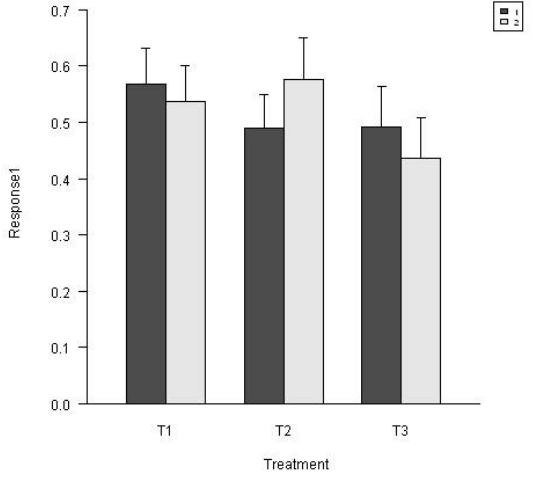
The Graphics module in SilverR is available from the Statistics drop down menu entitled “Graphics”.



Graphs are produced by dragging and dropping variables into the X-axis variable, Response variable (Y-axis), and up to two categorisation factors. You can have the categorised plots displayed separately or overlaid (with/without a legend). With the case profiles plot you also need to select a Case ID factor (that factor that defines the lines on the plot, usually animal).

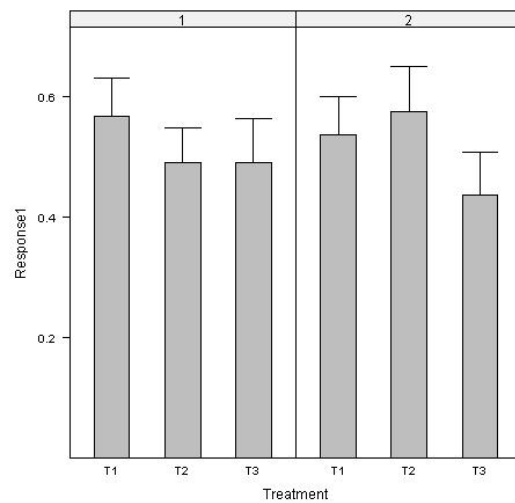
In the following text we highlight some of the more popular plots available.

1 Means with SEMs plot

<p><u>Simple plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : SEM plot Plot options : Column plot</p>	 <table border="1"> <caption>Data for Simple Plot (Column)</caption> <thead> <tr> <th>Treatment</th> <th>Response1 (approx.)</th> </tr> </thead> <tbody> <tr> <td>T1</td> <td>0.55</td> </tr> <tr> <td>T2</td> <td>0.52</td> </tr> <tr> <td>T3</td> <td>0.47</td> </tr> </tbody> </table>	Treatment	Response1 (approx.)	T1	0.55	T2	0.52	T3	0.47				
Treatment	Response1 (approx.)												
T1	0.55												
T2	0.52												
T3	0.47												
<p><u>Simple plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : SEM plot Plot options : Line plot</p>	 <table border="1"> <caption>Data for Simple Plot (Line)</caption> <thead> <tr> <th>Treatment</th> <th>Response1 (approx.)</th> </tr> </thead> <tbody> <tr> <td>T1</td> <td>0.55</td> </tr> <tr> <td>T2</td> <td>0.52</td> </tr> <tr> <td>T3</td> <td>0.47</td> </tr> </tbody> </table>	Treatment	Response1 (approx.)	T1	0.55	T2	0.52	T3	0.47				
Treatment	Response1 (approx.)												
T1	0.55												
T2	0.52												
T3	0.47												
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : Cat1 (categorical) 2nd cat factor : Cat. graph option : Overlaid Plot type : SEM plot Plot options : Column plot</p>	 <table border="1"> <caption>Data for Categorised Plot (Overlaid)</caption> <thead> <tr> <th>Treatment</th> <th>Category 1 (approx.)</th> <th>Category 2 (approx.)</th> </tr> </thead> <tbody> <tr> <td>T1</td> <td>0.57</td> <td>0.54</td> </tr> <tr> <td>T2</td> <td>0.49</td> <td>0.57</td> </tr> <tr> <td>T3</td> <td>0.49</td> <td>0.44</td> </tr> </tbody> </table>	Treatment	Category 1 (approx.)	Category 2 (approx.)	T1	0.57	0.54	T2	0.49	0.57	T3	0.49	0.44
Treatment	Category 1 (approx.)	Category 2 (approx.)											
T1	0.57	0.54											
T2	0.49	0.57											
T3	0.49	0.44											

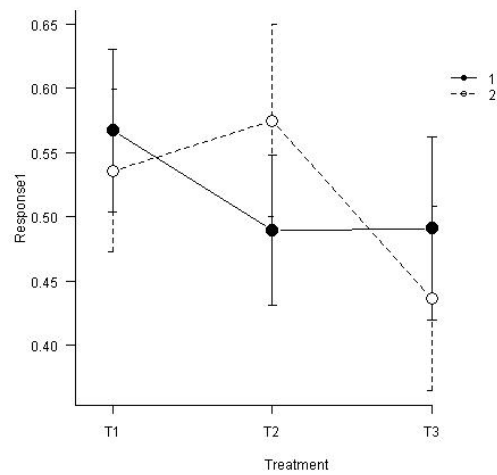
Categorised plot

Response var. : Response1 (numerical)
 X-axis var. : Treatment (categorical)
 1st cat factor : Cat1 (categorical)
 2nd cat factor :
 Cat. graph option : Separate
 Plot type : SEM plot
 Plot options : Column plot

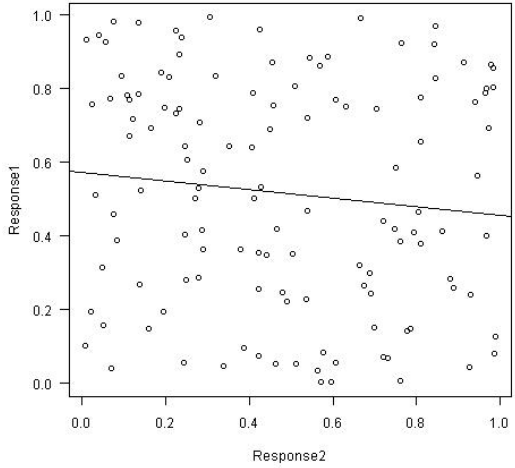
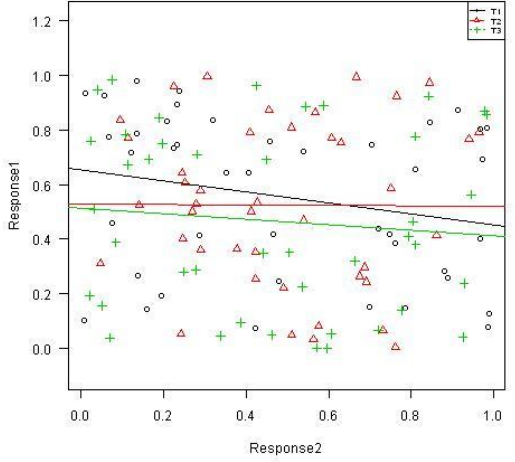
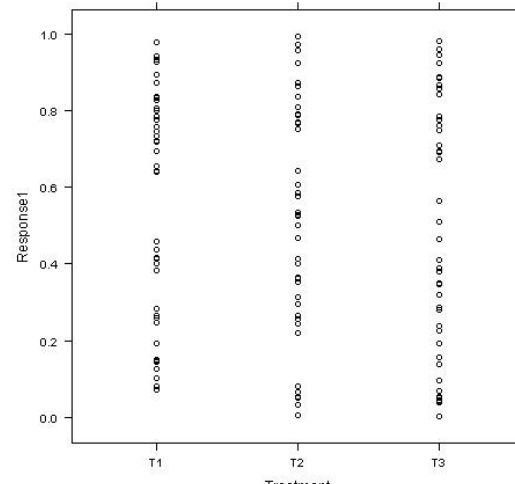


Categorised plot

Response var. : Response1 (numerical)
 X-axis var. : Treatment (categorical)
 1st cat factor : Cat1 (categorical)
 2nd cat factor :
 Cat. graph option : Overlaid
 Plot type : SEM plot
 Plot options : Line plot

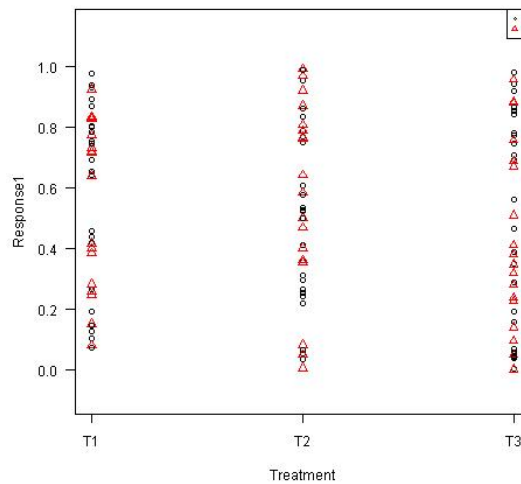


2 Scatterplots

<p><u>Correlation plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Response2 (numerical) 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : Scatterplot Plot options : Linear fit</p>	 <p>A scatter plot showing the relationship between Response2 (X-axis, 0.0 to 1.0) and Response1 (Y-axis, 0.0 to 1.0). The data points are represented by small open circles. A solid black line represents a linear fit, showing a slight negative correlation between the two variables.</p>
<p><u>Categorised Correlation plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Response2 (numerical) 1st cat factor : Treatment 2nd cat factor : Cat. Graph option: Plot type : Scatterplot Plot options : Linear fit</p>	 <p>A scatter plot similar to the first one, but with data points categorized by treatment. The legend indicates three treatments: T1 (red triangles), T2 (green pluses), and T3 (black circles). Each treatment group has its own linear fit line. The lines for T1 and T2 are slightly higher than the line for T3, indicating a higher average response for those treatments.</p>
<p><u>Scatter plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : Scatterplot Plot options :</p>	 <p>A scatter plot showing Response1 (Y-axis, 0.0 to 1.0) for three treatments (T1, T2, T3) on the X-axis. The data points are small open circles. For each treatment, there is a vertical cluster of points, showing the distribution of Response1 values within each treatment group. The points are spread across the full range of Response1 values for each treatment.</p>

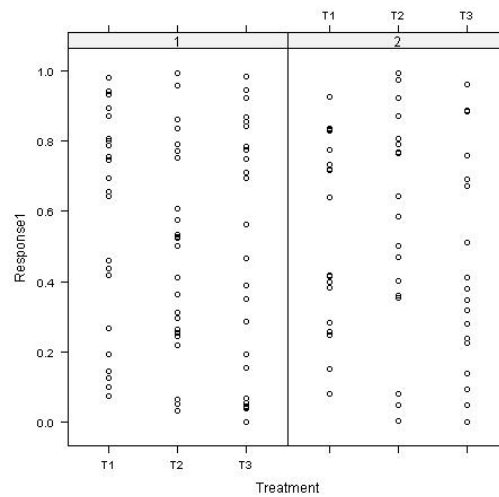
Categorised scatterplot

Response var. : Response1 (numerical)
 X-axis var. : Treatment (categorical)
 1st cat factor : Cat1 (categorical)
 2nd cat factor :
 Cat. graph option : Overlaid
 Plot type : Scatterplot
 Plot options :

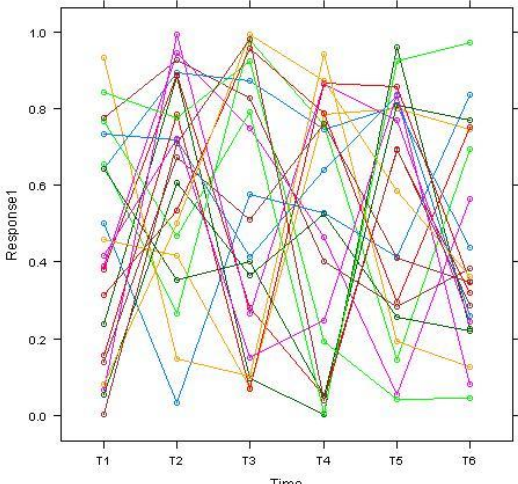
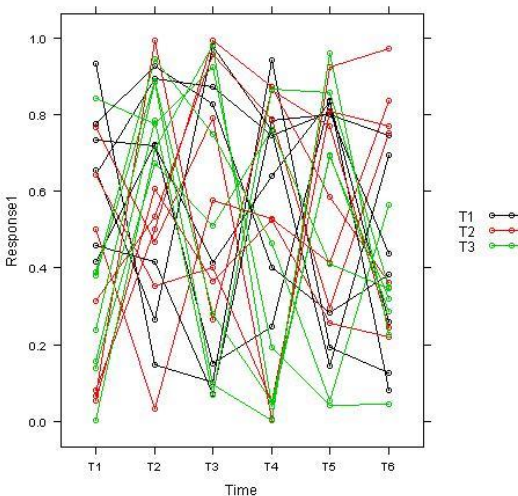
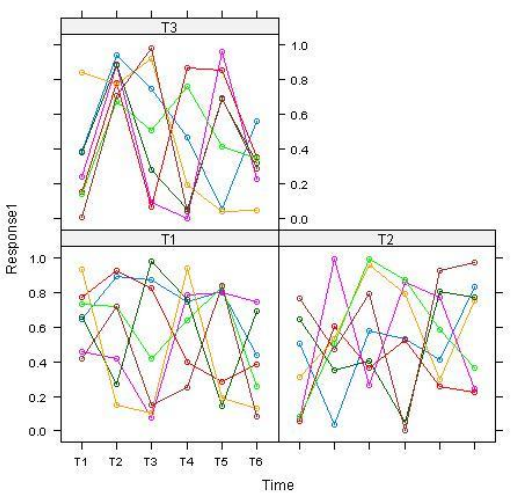


Categorised scatterplot

Response var. : Response1 (numerical)
 X-axis var. : Treatment (categorical)
 1st cat factor : Cat1 (categorical)
 2nd cat factor :
 Cat. graph option : Separate
 Plot type : Scatterplot
 Plot options :



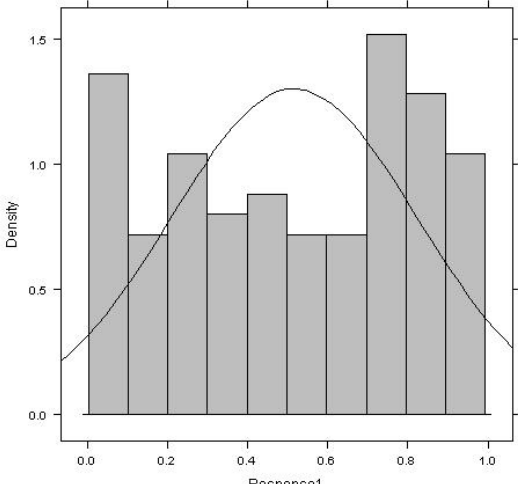
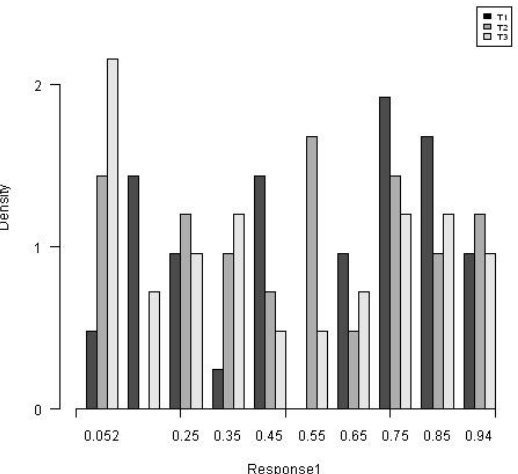
3 Case profile plots

<p><u>Simple plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Time 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : Case profiles plot Plot options : Case ID factor : Animal</p>	
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Time 1st cat factor : Treatment 2nd cat factor : Cat. graph option : Overlaid Plot type : Case profiles plot Plot options : Case ID factor : Animal</p>	
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Time 1st cat factor : Treatment 2nd cat factor : Cat. graph option : Separate Plot type : Case profiles plot Plot options : Case ID factor : Animal</p>	

4 Box plots

<p><u>Simple plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : Boxplot Plot options :</p>	
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : Cat1 (categorical) 2nd cat factor : Cat. graph option : Overlaid Plot type : Boxplot Plot options :</p>	
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : Treatment (categorical) 1st cat factor : Cat1 (categorical) 2nd cat factor : Cat. graph option : Separate Plot type : Boxplot Plot options :</p>	

5 Histograms

<p><u>Simple plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : 1st cat factor : 2nd cat factor : Cat. graph option : Plot type : Histogram Plot options : Normal Dist fit</p>	
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : 1st cat factor : Treatment (categorical) 2nd cat factor : Cat. graph option : Overlaid Plot type : Histogram Plot options :</p>	
<p><u>Categorised plot</u></p> <p>Response var. : Response1 (numerical) X-axis var. : 1st cat factor : Treatment (categorical) 2nd cat factor : Cat. graph option : Separate Plot type : Histogram Plot options : Normal Dist fit</p>	