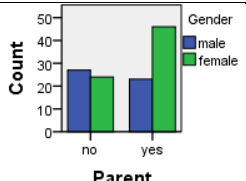

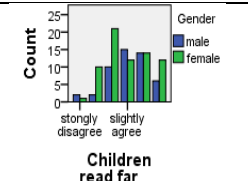
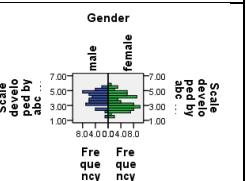
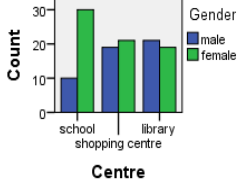
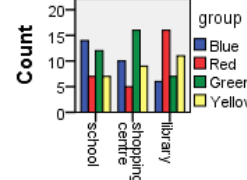
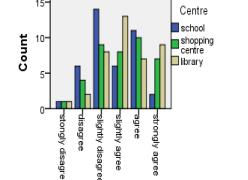
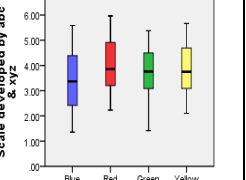
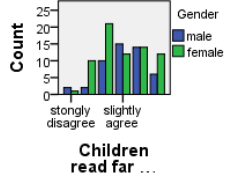
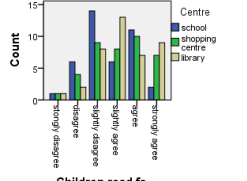
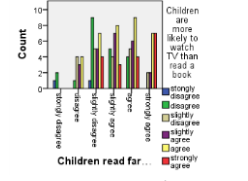
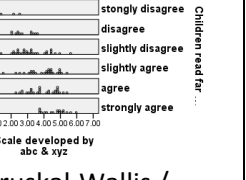
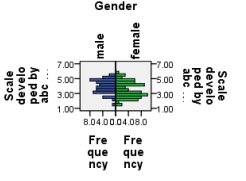
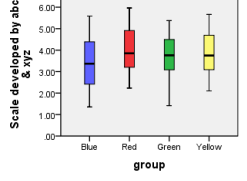
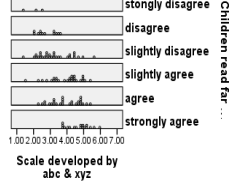
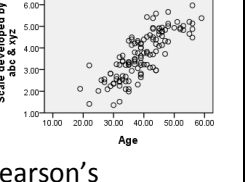


Exploratory Data Analysis

Please note that this is a guide to exploratory two way data analysis, based on SPSS graphs so as to look visually at your data and identify which possible tests to use. This is the second stage of any analysis and it is really aimed at familiarising yourself more closely with your data.

| | | Outcome/Dependent Variable (y) | | | |
|--|-------------|--|---|---|---|
| | | Binary | Multinomial | Ordinal | scalar |
| Explanatory / Independent Variable (x) | Binary |  <p>Parent</p> <p>Chi-squared</p> |  <p>Centre</p> <p>Chi-squared</p> |  <p>Children read far ...</p> <p>Chi-square/Mann-Whitney</p> |  <p>T-Test/Mann-Whitney</p> |
| | Multinomial |  <p>Centre</p> <p>Chi-Squared</p> |  <p>Centre</p> <p>Chi-Squared</p> |  <p>Children read fa...</p> <p>Chi-squared / Kruskal-Wallis</p> |  <p>One-way ANOVA / Kruskal-Wallis</p> |
| | Ordinal |  <p>Children read far ...</p> <p>Chi-square / *Mann-Whitney</p> |  <p>Children read fa...</p> <p>Chi-squared / *Kruskal-Wallis</p> |  <p>Children read far ...</p> <p>Chi-squared / Spearman's Correlation</p> |  <p>Kruskal-Wallis / Spearman's Correlation</p> |
| | scalar |  <p>*T-Test/*Mann-Whitney</p> |  <p>*One-way ANOVA / *Kruskal-Wallis</p> |  <p>Kruskal Wallis / Spearman's Correlation</p> |  <p>Pearson's Correlation / Spearman's Correlation</p> |

*These tests are slightly problematic in that there is not a simple two way test for the particular situation therefore the outcome/dependent variable (y) has been swapped with the explanatory / independent variable (x) as this gives us a test that can be used.