|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Summary Statistics | Data Type | | | | |
| Numeric | | Categorical | | |
| Continuous | Integer | Ordinal | Multinomial | Dichotomous |
| Centrality : Mean, median, geometric mean  Dispersion : Variance, standard deviation, range | (Same as numeric) + mode | Frequencies (absolute = counts; relative = proportions) | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Visualizing Data | | | Variable 1 | | | | |
| Numeric | | Categorical | | |
| Continuous | Integer | Ordinal | Multinomial | Dichotomous |
| Variable 2 | Numeric | Continuous | Scatter plots | | Boxplots | | |
| Integer |
| Categorical | Ordinal | Boxplots | | Contingency tables | | |
| Multinomial |
| Dichotomous |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Testing Association | | | Variable 1 | | | | |
| Numeric | | Categorical | | |
| Continuous | Integer | Ordinal | Multinomial | Dichotomous |
| Variable 2 | Numeric | Continuous | Correlation | | ANOVA | | t-test |
| Integer |
| Categorical | Ordinal | ANOVA | | Chi-square | | |
| Multinomial |
| Dichotomous | t-test | |