

## Test choice tree

This graphic below describes the test choice algorithm employed in the **DescrTab2** package. Some of the branching steps are dependent on the data and some can be manipulated by the user. The type of data (**numeric**, **ordered factor** and unordered **factor**) is automatically determined, as is the number of groups and the number of categories in categorical variables. The user may choose to apply nonparametric instead of parametric tests, asymptotic instead of exact and paired instead of unpaired tests.

The default argument is `test_options=list(paired=F, nonparametric=F, exact=T)`. In a scenario with 2 groups, this will give produce Student's t-test for numerical variables and Boschloo's test for categorical variables with 2 categories.

Test choices can be manually overwritten. E.g. if you want to calculate a Chi-squared test only for the gender variable and use Boschloo's test (default) for everything else, you can request this by supplying the following argument:

`var_options=list(gender=list(test="Pearsons chi-squared test"))`.

