

## List of functions in package 'rgr' and other package functions they call:

### 1. Statistical graphics functions and required package functions:

```
gx.hist  
    remove.na  
cnnplt  
    remove.na  
gx.cnnppls  
    remove.na  
gx.cnnppls.setup  
gx.ecdf  
    remove.na  
gx.ks.test  
    gx.ecdf, remove.na  
bxplot  
    remove.na  
shape  
    gx.hist, bxplot, gx.ecdf, cnnplt, remove.na  
inset  
    gx.hist, gx.stats, cnnplt, remove.na  
inset.exporter  
    inset  
bwplots  
    cat2list  
bwplots.by.var  
    var2fact, bwplots  
tbplots  
    cat2list  
tbplots.by.var  
    var2fact, tbplots
```

### 2. Mapping s and XY Plotting functions and required package functions:

```
map.eda7  
    cutter, remove.na, eqscplot (Library MASS)  
map.eda8  
    cutter, remove.na, eqscplot (Library MASS)  
map.tags  
    remove.na, eqscplot (Library MASS)  
map.z  
    syms, remove.na, eqscplot (Library MASS)  
caplot  
    cnnplt, eqscplot (Library MASS), interp (Library akima)  
xyplot.eda7  
    cutter, remove.na  
xyplot.eda8  
    cutter, remove.na  
xyplot.tags  
    remove.na  
xyplot.z  
    syms, remove.na
```

### 3. Summary statistics functions and required package functions:

```
gx.stats (display = TRUE)
  remove.na
gx.summary.mat
  gx.summary
gx.summary.groups
  gx.summary
gx.summary1
  gx.summary
gx.summary2
  gx.stats(display = FALSE)
gx.summary
  gx.stats(display = FALSE)
gx.ngr.summary
  gx.ngr.stats
gx.ngr.stats
  gx.stats, gx.ngr.skew
gx.ngr.skew
fences.summary
  fences
fences
  remove.na, logit, expit
framework.summary
  framework.stats
framework.stats
  gx.stats(display = FALSE)
gx.fractile
  remove.na
gx.quantile
  remove.na
```

### 4. Bivariate and Multivariate functions and required package functions:

```
gx.adj2
gx.lm.vif
gx.2dproj
  remove.na, sammon & isoMDS (Library MASS), fastICA (Library fastICA)
gx.2dproj.plot
gx.md.gait
  remove.na, cov.mcd (Library MASS), gx.md.plt0
gx.md.gait.closed
  remove.na, ilr, cov.mcd (Library MASS), gx.md.plt0
gx.md.plot
  gx.md.plt0
gx.md.display
  gx.sort
gx.md.print
gx.mva
  remove.na
gx.mva.closed
  remove.na, ilr, orthonorm
gx.mvalloc
gx.mvalloc.closed
  clr
gx.mvalloc.print
```

#### 4. Bivariate and Multivariate functions and required package functions (cont.):

```
gx.pairs4parts
    remove.na
gx.pearson
    remove.na, clr
gx.plot2parts
    remove.na, bxplot, gx.ecdf
gx.sm
    remove.na, ilr.stab
gx.spearman
    remove.na, clr
gx.rma
    remove.na
gx.robmva
    remove.na, cov.mcd (Library MASS), cov.mve (Library MASS)
gx.robmva.closed
    remove.na, ilr, orthonorm, cov.mcd (Library MASS), cov.mve (Library MASS)
gx.rotate
gx.rqpca.screplot
gx.rqpca.print
gx.rqpca.save
gx.rqpca.loadplot
gx.rqpca.plot
gx.vm
    remove.na
wtd.sums
    remove.na
gx.scores
    remove.na
```

#### 5. QA/QC support functions and required package functions:

```
ad.plot1
    remove.na
ad.plot2
    ad.plot1
ad.plot3
    remove.na, cnpplt
ad.plot4
    ad.plot3
anova1
    remove.na
anova2
    anova1
crm.plot
    remove.na
crm.plot.new
    remove.na
gx.triples.aov
gx.triples.fgx
    remove.na
thplot1
    remove.na
thplot2
    thplot1
```

## 6. Data conditioning functions:

```
ltdl.fix  
ltdl.fix.df  
remove.na (iftell = TRUE)  
gx.subset  
logit  
expit  
alr  
clr  
ilr  
orthonorm  
rng
```

## 7. Utility functions and required package functions:

```
alts2dups  
df.test  
gx.sort  
gx.sort.df  
gx.hypergeom  
gx.runs  
display.lty  
display.marks  
display.ascii.o  
display.rainbow  
where.na  
syms.pfunc  
syms
```

## 8. Internally called functions and required package functions:

```
remove.na (iftell = FALSE)  
cat2list  
ilr.stab  
remove.na  
var2fact  
cutter  
gx.summary  
gx.stats (display = FALSE)  
framework.stats  
gx.stats (display = FALSE)  
gx.stats (display = FALSE)  
remove.na (iftell = FALSE)  
gx.ngr.stats  
gx.stats (display = FALSE), gx.ngr.skew  
gx.md.plt0  
gx.add.chisq  
gx.add.chisq  
syms  
orthonorm
```