

## 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
fences
  remove.na, logit, expit
fences.summary
  fences
framework.summary
  framework.stats
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.print
gx.mva
  remove.na
gx.mva.closed
  remove.na, ilr, orthonorm
gx.mvalloc
gx.mvalloc.closed
  clr
gx.mvalloc.print
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.screepplot
gx.rqpca.print
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.md.plt0
    gx.add.chisq
gx.add.chisq
syms
orthonorm
```

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