R documentation

of all in './man'

October 23, 2024

${\sf R}$ topics documented:

combine
getN_Bin_Equi
getN_Bin_Equi_JM1
getN_Bin_Noninf
getN_Bin_Noninf_JM1
getN_Bin_Super
getN_Bin_Super_JM1
getN_Con_Equi
getN_Con_Equi_JM1
getN_Con_Noninf
getN_Con_Noninf_JM1
getN_Con_Super
getN_Con_Super_JM1
getN_Surv_Equi
getN_Surv_Equi_JM1
getN_Surv_Noninf
getN_Surv_Noninf_JM1
getN_Surv_Super
getN_Surv_Super_JM1
getPwr_Bin_Equi_JM1
getPwr_Bin_Equi_JM2
getPwr_Bin_Noninf_JM1
getPwr_Bin_Noninf_JM2
getPwr_Bin_Super_JM1
getPwr_Bin_Super_JM2
getPwr_Con_Equi_JM1
getPwr_Con_Equi_JM2
getPwr_Con_Noninf_JM1
getPwr_Con_Noninf_JM2
getPwr_Con_Super_JM1
getPwr_Con_Super_JM2
getPwr_Surv_Equi_JM1
getPwr_Surv_Equi_JM2
getPwr_Surv_Noninf_JM1
getPwr Surv Noninf JM2

2 getN_Bin_Equi

```
      getPwr_Surv_Super_JM1
      24

      getPwr_Surv_Super_JM2
      24

      Index
      26
```

combine

Title

Description

Title

Usage

```
combine(A, B)
```

Arguments

В

Examples

```
A <- matrix(c(1, 0.8, 0.8, 1), nrow = 2, ncol = 2, byrow = TRUE) combine(A, A) A <- c(1, 2, 3) \\ B <- c(4, 5, 6) \\ combine(A, B)
```

getN_Bin_Equi

Title

Description

Title

Usage

```
getN_Bin_Equi(p1, p0, cut, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Bin_Noninf(
  p1 = 0.4, p0 = 0.45, cut = 0.2, alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Bin_Noninf(
  p1 = 0.4, p0 = 0.45, cut = 0.2, alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

getN_Bin_Equi_JM1 3

```
getN_Bin_Equi_JM1
```

Title

Description

Title

Usage

```
getN\_Bin\_Equi\_JM1(p1\_j, p0\_j, p1\_nj, p0\_nj, pi, cut, beta1, N, r)
```

Arguments

r

Examples

```
getN_Bin_Equi_JM1(
  p1_j = 0.4, p0_j = 0.5, p1_nj = 0.4, p0_nj = 0.4,
  pi = 0.5, cut = 0.3, beta1 = 0.2, N = seq(100, 400, 100), r = 1
)
```

getN_Bin_Noninf

Title

Description

Title

Usage

```
getN_Bin_Noninf(p1 = p1, p0 = p0, cut, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Bin_Noninf(
   p1 = 0.4, p0 = 0.45, cut = 0.2, alpha = 0.025,
   beta = 0.2, N = NA, r = 1
))
getN_Bin_Noninf(
   p1 = 0.4, p0 = 0.45, cut = 0.2, alpha = 0.025,
   beta = NA, N = v$N, r = 1
)</pre>
```

4 getN_Bin_Super

```
getN_Bin_Noninf_JM1 Title
```

Description

Title

Usage

```
getN_Bin_Noninf_JM1(p1_j, p0_j, p1_nj, p0_nj, pi, cut, beta1, N, r, direct = 1)
```

Arguments

direct

Examples

```
getN_Bin_Noninf_JM1(
   p1_j = 0.4, p0_j = 0.5, p1_nj = 0.4, p0_nj = 0.4,
   pi = 0.5, cut = 0.3, beta1 = 0.2, N = seq(100, 400, 100), r = 1, direct = 1
)
```

getN_Bin_Super

Title

Description

Title

Usage

```
getN_Bin_Super(p1, p0, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Bin_Super(
   p1 = 0.4, p0 = 0.2, alpha = 0.025,
   beta = 0.2, N = NA, r = 1
))
getN_Bin_Super(
   p1 = 0.4, p0 = 0.2, alpha = 0.025,
   beta = NA, N = v$N, r = 1
)</pre>
```

getN_Bin_Super_JM1 5

```
getN_Bin_Super_JM1
```

Title

Description

Title

Usage

```
getN_Bin_Super_JM1(p1_j, p0_j, p1_nj, p0_nj, pi, beta1, N, r, direct = 1)
```

Arguments

direct

Examples

```
getN_Bin_Super_JM1(
  p1_j = 0.6, p0_j = 0.4, p1_nj = 0.7, p0_nj = 0.4,
  pi = 0.5, beta1 = 0.2, N = seq(100, 400, 100), r = 1, direct = 1
)
```

getN_Con_Equi

Title

Description

Title

Usage

```
getN_Con_Equi(delta, sigma, cut, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Con_Noninf(
  delta = 0, sigma = 2, cut = 1, alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Con_Noninf(
  delta = 0, sigma = 2, cut = 1, alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

getN_Con_Noninf

```
getN_Con_Equi_JM1
```

Title

Description

Title

Usage

```
getN_Con_Equi_JM1(delta_j, delta_nj, sigma, pi, cut, beta1, N, r)
```

Arguments

r

Examples

```
getN_Con_Equi_JM1(
  delta_j = -0.1, delta_nj = 0, sigma = 1,
  pi = 0.5, cut = 0.3, beta1 = 0.2,
  N = seq(100, 400, 100), r = 1
)
```

getN_Con_Noninf

Title

Description

Title

Usage

```
getN_Con_Noninf(delta, sigma, cut, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Con_Noninf(
  delta = 0, sigma = 2, cut = 1, alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Con_Noninf(
  delta = 0, sigma = 2, cut = 1, alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

```
getN_Con_Noninf_JM1 Title
```

Title

Usage

```
getN_Con_Noninf_JM1(delta_j, delta_nj, sigma, pi, cut, beta1, N, r, direct = 1)
```

Arguments

direct

Examples

```
getN_Con_Noninf_JM1(
  delta_j = -0.1, delta_nj = 0, sigma = 1,
  pi = 0.5, cut = 0.3, beta1 = 0.2,
  N = seq(100, 400, 100), r = 1, direct = 1
)
```

getN_Con_Super

Title

Description

Title

Usage

```
getN_Con_Super(delta, sigma, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Con_Super(
  delta = 1, sigma = 4, alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Con_Super(
  delta = 1, sigma = 4, alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

8 getN_Surv_Equi

```
getN_Con_Super_JM1
```

Title

Description

Title

Usage

```
getN_Con_Super_JM1(delta_j, delta_nj, sigma, pi, beta1, N, r, direct = 1)
```

Arguments

direct

Examples

```
getN_Con_Super_JM1(
  delta_j = 0.5, delta_nj = 0.7, sigma = 1,
  pi = 0.5, beta1 = 0.2, N = seq(100, 400, 100), r = 1, direct = 1
)
```

getN_Surv_Equi

Title

Description

Title

Usage

```
getN_Surv_Equi(delta, cut, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Surv_Equi(
  delta = log(1.1), cut = log(1.2), alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Surv_Equi(
  delta = log(1.1), cut = log(1.2), alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

getN_Surv_Equi_JM1

```
getN_Surv_Equi_JM1
```

Title

Description

Title

Usage

```
getN_Surv_Equi_JM1(delta_j, delta_nj, pi, cut, beta1, N, r)
```

Arguments

r

Examples

```
getN_Surv_Equi_JM1(
  delta_j = log(1.1), delta_nj = log(1.0),
  pi = 0.5, cut = log(1.3), beta1 = 0.2, N = seq(400, 800, 200),
  r = 1
)
```

getN_Surv_Noninf

Title

Description

Title

Usage

```
getN_Surv_Noninf(delta, cut, alpha, beta, N, r, direct = 1)
```

Arguments

direct

```
(v <- getN_Surv_Noninf(
  delta = log(1.1), cut = log(1.2), alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Surv_Noninf(
  delta = log(1.1), cut = log(1.2), alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

10 getN_Surv_Super

```
getN_Surv_Noninf_JM1 Title
```

Description

Title

Usage

```
getN_Surv_Noninf_JM1(delta_j, delta_nj, pi, cut, beta1, N, r, direct = -1)
```

Arguments

direct

Examples

```
getN_Surv_Noninf_JM1(
  delta_j = log(1.1), delta_nj = log(1.0),
  pi = 0.5, cut = log(1.3), beta1 = 0.2, N = seq(400, 800, 200),
  r = 1, direct = -1
)
```

getN_Surv_Super

Title

Description

Title

Usage

```
getN_Surv_Super(delta, alpha, beta, N, r, direct = -1)
```

Arguments

direct

```
(v <- getN_Surv_Super(
  delta = log(0.8), alpha = 0.025,
  beta = 0.2, N = NA, r = 1
))
getN_Surv_Super(
  delta = log(0.8), alpha = 0.025,
  beta = NA, N = v$N, r = 1
)</pre>
```

```
getN_Surv_Super_JM1 Title
```

Title

Usage

```
getN_Surv_Super_JM1(delta_j, delta_nj, pi, beta1, N, r, criterion, direct = -1)
```

Arguments

direct

Examples

```
getN_Surv_Super_JM1(
  delta_j = log(0.8), delta_nj = log(0.7),
  pi = 0.5, beta1 = 0.2, N = seq(400, 800, 200),
  criterion = c(1, 2), r = 1, direct = -1
)
```

```
getPwr_Bin_Equi_JM1 Title
```

Description

Title

Usage

```
getPwr_Bin_Equi_JM1(
    p1_j,
    p0_j,
    p1_nj,
    p0_nj,
    f,
    pi,
    cut,
    alpha,
    N,
    r,
    sim = FALSE,
    nsim = 1000,
    seed = 0
)
```

Arguments

seed

Examples

```
getPwr_Bin_Equi_JM1(
   p1_j = 0.55, p0_j = 0.65, p1_nj = 0.65, p0_nj = 0.65,
   f = seq(0.1, 0.9, 0.1), pi = 0.5,
   cut = 0.2, alpha = 0.025, N = 400, r = 1, sim = FALSE
)
```

Description

Title

Usage

```
getPwr_Bin_Equi_JM2(
  pt_i,
  pc_i,
  fi,
  cut,
  alpha,
  N,
  r,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Bin_Equi_JM2(
        pt_i = c(0.5, 0.6),
        pc_i = c(0.6, 0.6),
        fi = c(f, 1 - f), cut = 0.3,
        alpha = 0.025, N = 100, r = 1, sim = FALSE
    )$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

```
getPwr_Bin_Noninf_JM1 Title
```

Title

Usage

```
getPwr_Bin_Noninf_JM1(
  p1_j,
  p0_j,
  p1_nj,
  p0_nj,
  f,
  рi,
  cut,
  alpha,
  Ν,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
getPwr_Bin_Noninf_JM1(
  p1_j = 0.55, p0_j = 0.65, p1_nj = 0.65, p0_nj = 0.65,
  f = seq(0.1, 0.9, 0.1), pi = 0.5,
  cut = 0.2, alpha = 0.025, N = 400, r = 1,
  direct = 1, sim = FALSE
)
```

```
getPwr_Bin_Noninf_JM2 Title
```

Description

Title

Usage

```
getPwr_Bin_Noninf_JM2(
  pt_i,
  pc_i,
  fi,
  cut,
  alpha,
  N,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Bin_Noninf_JM2(
        pt_i = c(0.5, 0.6),
        pc_i = c(0.6, 0.6),
        fi = c(f, 1 - f), cut = 0.3,
        alpha = 0.025, N = 100, r = 1, direct = 1, sim = FALSE
    )$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

getPwr_Bin_Super_JM1 Title

Description

Title

Usage

```
getPwr_Bin_Super_JM1(
  p1_j,
  p0_j,
  p1_nj,
  p0_nj,
  f,
  pi,
  alpha,
```

```
N,
    r,
    direct,
    sim = FALSE,
    nsim = 1000,
    seed = 0
)
```

Arguments

seed

Examples

```
getPwr_Bin_Super_JM1(
   p1_j = 0.35, p0_j = 0.5, p1_nj = 0.25, p0_nj = 0.5,
   f = seq(0.1, 0.9, 0.1),
   pi = 0.5, alpha = 0.025, N = 200, r = 1, direct = -1, sim = FALSE
)
```

```
getPwr_Bin_Super_JM2 Title
```

Description

Title

Usage

```
getPwr_Bin_Super_JM2(
  pt_i,
  pc_i,
  fi,
  alpha,
  N,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
   f <- f_set[i]
   res <- getPwr_Bin_Super_JM2(
     pt_i = c(0.3, 0.4),</pre>
```

```
pc_i = c(0.6, 0.6),
  fi = c(f, 1 - f),
  alpha = 0.025, N = 100, r = 1, direct = -1, sim = FALSE
)$overall
  res$M <- "calc"
  res$f <- f
  res
})</pre>
```

getPwr_Con_Equi_JM1 Title

Description

Title

Usage

```
getPwr_Con_Equi_JM1(
  delta_j,
  delta_nj,
  sigma,
  f,
  pi,
  cut,
  alpha,
  N,
  r,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

```
getPwr_Con_Equi_JM1(
  delta_j = -0.2, delta_nj = -0.1, sigma = 1,
  f = seq(0.1, 0.9, 0.1), pi = 0.5, cut = 0.4, alpha = 0.025,
  N = 400, r = 1, sim = FALSE
)
```

Title

Usage

```
getPwr_Con_Equi_JM2(
  delta_i,
  sigma,
  fi,
  cut,
  alpha,
  N,
  r,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Con_Equi_JM2(
        delta_i = c(-0.5, 0), sigma = 4,
        fi = c(f, 1 - f), cut = 2,
        alpha = 0.025, N = 200, r = 1, sim = FALSE
    )$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

getPwr_Con_Noninf_JM1 Title

Description

Title

Usage

```
getPwr_Con_Noninf_JM1(
  delta_j,
  delta_nj,
  sigma,
  f,
  pi,
  cut,
  alpha,
  N,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
getPwr_Con_Noninf_JM1(
  delta_j = -0.2, delta_nj = -0.1, sigma = 1,
  f = seq(0.1, 0.9, 0.1), pi = 0.5, cut = 0.4, alpha = 0.025,
  N = 400, r = 1, direct = 1, sim = FALSE
)
```

 ${\tt getPwr_Con_Noninf_JM2} \quad \textit{Title}$

Description

Title

Usage

```
getPwr_Con_Noninf_JM2(
  delta_i,
  sigma,
  fi,
  cut,
  alpha,
  N,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Con_Noninf_JM2(
        delta_i = c(-0.5, 0), sigma = 4,
        fi = c(f, 1 - f), cut = 2,
        alpha = 0.025, N = 200, r = 1, direct = 1, sim = FALSE
)$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

getPwr_Con_Super_JM1 Title

Description

Title

Usage

```
getPwr_Con_Super_JM1(
  delta_j,
  delta_nj,
  sigma,
  f,
  pi,
  alpha,
  N,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

```
getPwr_Con_Super_JM1(
  delta_j = 0.5, delta_nj = 0.7, sigma = 1,
  f = seq(0.1, 0.9, 0.1),
  pi = 0.5, alpha = 0.025, N = 100, r = 1, direct = 1, sim = FALSE
```

```
getPwr_Con_Super_JM2 Title
```

Title

Usage

```
getPwr_Con_Super_JM2(
  delta_i,
  sigma,
  fi,
  alpha,
  N,
  r,
  direct = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Con_Super_JM2(
        delta_i = c(1, 0.8), sigma = 4,
        fi = c(f, 1 - f),
        alpha = 0.025, N = 200, r = 1, direct = 1, sim = FALSE
)$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

```
getPwr_Surv_Equi_JM1 Title
```

Description

Title

Usage

```
getPwr_Surv_Equi_JM1(
  delta_j,
  delta_nj,
  f,
  pi,
  cut,
  alpha,
  N,
  r,
  lambda0_j = 1,
  lambda0_nj = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
getPwr_Surv_Equi_JM1(
  delta_j = log(1.1), delta_nj = log(1.0),
  f = seq(0.1, 0.9, 0.1), cut = log(1.3),
  pi = 0.5, alpha = 0.025, N = 400, r = 1, sim = FALSE
)
```

```
getPwr_Surv_Equi_JM2 Title
```

Description

Title

Usage

```
getPwr_Surv_Equi_JM2(
  delta_i,
  fi,
  cut,
  alpha,
  N,
  r,
  direct = -1,
  lambda0_i = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Surv_Equi_JM2(
        delta_i = c(log(1.1), log(1.0)),
        fi = c(f, 1 - f), cut = log(1.3),
        alpha = 0.025, N = 300, r = 1, direct = -1, sim = FALSE
)$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

Description

Title

Usage

```
getPwr_Surv_Noninf_JM1(
  delta_j,
  delta_nj,
  f,
  рi,
  cut,
  alpha,
  Ν,
  r,
  direct = -1,
  lambda0_j = 1,
  lambda0_nj = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

direct

Examples

```
getPwr_Surv_Noninf_JM1(
  delta_j = log(1.1), delta_nj = log(1.0),
  f = seq(0.1, 0.9, 0.1), cut = log(1.3),
  pi = 0.5, alpha = 0.025, N = 400, r = 1,
  direct = -1, sim = FALSE
)
```

```
getPwr_Surv_Noninf_JM2
```

Title

Description

Title

Usage

```
getPwr_Surv_Noninf_JM2(
  delta_i,
  fi,
  cut,
  alpha,
  N,
  r,
  direct = -1,
  lambda0_i = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Surv_Noninf_JM2(
        delta_i = c(log(1.1), log(1.0)),
        fi = c(f, 1 - f), cut = log(1.3),
        alpha = 0.025, N = 300, r = 1, direct = -1, sim = FALSE
)$overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

```
{\tt getPwr\_Surv\_Super\_JM1} \quad \textit{Title}
```

Title

Usage

```
getPwr_Surv_Super_JM1(
  delta_j,
  delta_nj,
  f,
  рi,
  alpha,
  Ν,
  r,
  criterion,
  direct = -1,
  lambda0_j = 1,
  lambda0_nj = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

Examples

```
getPwr_Surv_Super_JM1(
  delta_j = log(0.8), delta_nj = log(0.6),
  f = seq(0.1, 0.9, 0.1),
  pi = 0.5, alpha = 0.025, N = 200, r = 1,
  criterion = 1, direct = -1, sim = FALSE
)
```

```
{\tt getPwr\_Surv\_Super\_JM2} \quad \textit{Title}
```

Description

Title

Usage

```
getPwr_Surv_Super_JM2(
  delta_i,
  fi,
  alpha,
  N,
  r,
  direct = -1,
  lambda0_i = 1,
  sim = FALSE,
  nsim = 1000,
  seed = 0
)
```

Arguments

seed

```
f_set <- seq(0.1, 0.9, 0.1)
map_dfr(.x = 1:length(f_set), .f = function(i) {
    f <- f_set[i]
    res <- getPwr_Surv_Super_JM2(
        delta_i = c(log(0.8), log(0.6)),
        fi = c(f, 1 - f),
        alpha = 0.025, N = 300, r = 1, direct = -1, sim = FALSE
) $ overall
    res$M <- "calc"
    res$f <- f
    res
})</pre>
```

Index

```
combine, 2
getN_Bin_Equi, 2
getN_Bin_Equi_JM1, 3
getN_Bin_Noninf, 3
getN_Bin_Noninf_JM1, 4
getN_Bin_Super, 4
getN_Bin_Super_JM1, 5
getN_Con_Equi, 5
getN_Con_Equi_JM1, 6
getN_Con_Noninf, 6
getN_Con_Noninf_JM1, 7
getN_Con_Super, 7
getN_Con_Super_JM1, 8
getN_Surv_Equi, 8
getN_Surv_Equi_JM1,9
getN_Surv_Noninf, 9
getN_Surv_Noninf_JM1, 10
getN_Surv_Super, 10
getN_Surv_Super_JM1, 11
getPwr_Bin_Equi_JM1, 11
getPwr_Bin_Equi_JM2, 12
getPwr_Bin_Noninf_JM1, 13
getPwr_Bin_Noninf_JM2, 13
getPwr_Bin_Super_JM1, 14
getPwr_Bin_Super_JM2, 15
getPwr_Con_Equi_JM1, 16
getPwr_Con_Equi_JM2, 17
getPwr_Con_Noninf_JM1, 17
getPwr_Con_Noninf_JM2, 18
{\tt getPwr\_Con\_Super\_JM1, 19}
getPwr_Con_Super_JM2, 20
getPwr_Surv_Equi_JM1, 20
getPwr_Surv_Equi_JM2, 21
getPwr_Surv_Noninf_JM1, 22
getPwr_Surv_Noninf_JM2, 23
getPwr_Surv_Super_JM1, 24
getPwr_Surv_Super_JM2, 24
```