# Package 'iopsych'

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aiEst

Estimate adverse impact given d and sr

#### **Description**

Estimate adverse impact given d and sr

#### Usage

```
aiEst(d, sr, pct_minority)
```

#### **Arguments**

d Subgroup difference.

sr The percentage of the applicant population who are selected.

pct\_minority The percentage of the applicant population who are part of a given minority

group.

#### Value

(1) The adverse impact ratio, (2) The overall selection ration, (3) The selection ratio for the majority group, (4) The selection ratio for the minority group, and (5) the predictor cutoff value that corresponds to the given overall selection ratio

### Author(s)

Jeff Jones and Allen Goebl

#### References

De Corte, W., Lievens, F.(2003). A Practical procedure to estimate the quality and the adverse impact of single-stage selection decisions. *International Journal of Selection and Assessment.*, 11(1), 87-95.

```
aiEst(d = -0.15, sr = 0.25, pct_minority = 0.30)
aiEst(d = -0.40, sr = 0.10, pct_minority = 0.15)
```

aiPux 3

aiPux	Estimate ai and average criterion scores for majority and minority groups.

#### **Description**

Estimate ai and average criterion scores for majority and minority groups.

### Usage

```
aiPux(mr, dx, dy = -1, sr, pct_minority)
```

#### **Arguments**

mr	The correlation between the predictor and criterion composites.
dx	A vector of d values for the predictors. These d values are expected to have been computed in the direction of Minority - Majority.
dy	A vector of d values for the criteria These d values are expected to have been computed in the direction of Minority - Majority
sr	The percentage of the applicant population who are selected.
pct_minority	The percentage of the applicant population who are part of a given minority group.

### Value

- AIAdverse Impact
- Overeall\_srThe overall selection ratio set by the user
- Majority\_srMajority Selection Rate
- Minority\_srMinority Selection Rate
- Majority\_StandardizedPredicted composite criterion score relative to the majority population
- Global\_StandardizedPredicted composite criterion score relative to the overall population

#### Author(s)

Jeff Jones and Allen Goebl

#### References

De Corte, W., Lievens, F.(2003). A Practical procedure to estimate the quality and the adverse impact of single-stage selection decisions. *International Journal of Selection and Assessment.*, 11(1), 87-95.

```
aiPux(0.6, dx=-0.8, sr=0.3, pct_minority=0.25)
aiPux(0.6, dx=-0.8, dy=-0.2, sr=0.3, pct_minority=0.25)
```

4 aiPuxComposite

aiPuxComposite	Estimate ai and average criterion scores for majority and minority groups.
	groups.

### Description

Estimate ai and average criterion scores for majority and minority groups.

### Usage

```
aiPuxComposite(r_mat, y_col, x_col, dX, dY, wt_x, wt_y, sr, pct_minority)
```

### **Arguments**

r_mat	Super correlation matrix between the predictors and criteria. This argument assumes that the predictors come first in the matrix.
y_col	A vector of columns representing criterion variables.
x_col	A vector of columns representing predictor variables.
dX	A vector of d values for the predictors. These d values are expected to have been computed in the direction of Minority - Majority.
dY	A vector of d values for the criteria These d values are expected to have been computed in the direction of Minority - Majority.
wt_x	Weights for the predictors to form the overall composite predictor.
wt_y	Weights for the criteria to form the overall composite criterion.
sr	The percentage of the applicant population who are selected.
pct_minority	The percentage of the applicant population who are part of a given minority group.

#### Value

- · AIAdverse Impact
- Overeall\_srThe overall selection ratio set by the user
- Majority\_srMajority Selection Rate
- Minority\_srMinority Selection Rate
- Majority\_StandardizedPredicted composite criterion score relative to the majority population
- Global\_StandardizedPredicted composite criterion score relative to the overall population

### Author(s)

Jeff Jones and Allen Goebl

#### References

De Corte, W., Lievens, F.(2003). A Practical procedure to estimate the quality and the adverse impact of single-stage selection decisions. *International Journal of Selection and Assessment.*, 11(1), 87-95. De Corte, W. (2003). Caiqs user's guide. http://allserv.rug.ac.be/~wdecorte/software.html

asvab 5

#### **Examples**

```
# Example taken from De Corte, W. (2003)
R <- matrix(c(1.000, 0.170, 0.000, 0.100, 0.290, 0.160,
              0.170, 1.000, 0.120, 0.160, 0.300, 0.260,
              0.000, 0.120, 1.000, 0.470, 0.120, 0.200,
              0.100, 0.160, 0.470, 1.000, 0.240, 0.250,
              0.290, 0.300, 0.120, 0.240, 1.000, 0.170,
              0.160, 0.260, 0.200, 0.250, 0.170, 1.000), 6, 6)
wt_x \leftarrow c(.244, .270, .039, .206)
wt_y < -c(6, 2)
sr
   <- 0.25
pct_minority <- .20</pre>
     <-c(-1, -0.09, -0.09, -0.20)
    <- c(-0.450, 0.0)
dΥ
aiPuxComposite(R, 5:6, 1:4, dX, dY, wt_x, wt_y, sr, pct_minority)
# compare the output from predictAI with the output in the CAIQS manual on page 7 where SR = .250
```

asvab

Wee, Newman, & Joseph, (2014) ASVAB data

### Description

This dataset was published in Wee, S., Newman, D. A., & Joseph, D. L. (2014) and describes the results of a military validation study. The first four rows contain the intercorrelations of the four predictor variables. The fifth row contains the black-white score differences (d). Rows 6-12 contain the correlations between the four predictor variables and the six job performance variables.

### Usage

asvab

#### **Format**

A data frame with 12 rows and 4 columns.

#### References

Wee, S., Newman, D. A., & Joseph, D. L. (2014). More than g: Selection quality and adverse impact implications of considering second-stratum cognitive abilities. Journal of Applied Psychology, 99(4), *Journal of Applied Psychology*, 92(5), 1380.

6 d2cor

cor2d

Convert from r to d

### Description

Convert from r to d

### Usage

cor2d(r)

### Arguments

r

A r-value or a vector of r values.

#### Value

A d value or a vector of d values.

### Author(s)

Allen Goebl and Jeff Jones

### **Examples**

```
cor2d(.3)
cor2d(((1:9)/10))
```

d2cor

Convert from d to r

### Description

Convert from d to r

### Usage

d2cor(d)

## Arguments

d

A d-value or a vector of d values.

### Value

A r value or a vector of r values.

### Author(s)

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### **Examples**

```
d2cor(.3)
d2cor(((1:9)))
```

dComposite

Estimates the d of a composite.

#### **Description**

Estimates the d of a composite.

### Usage

```
dComposite(rxx, d_vec, wt_vec = rep(1, length(d_vec)))
```

### **Arguments**

rxx A matrix of predictor intercorrelations.
 d\_vec A vector containing d's for each predictor.
 wt\_vec A vector containing the weights of each item in rxx.

#### Value

A vector of correlation coefficients.

### Note

This is essentially the same function as solveWt().

#### Author(s)

Jeff Jones and Allen Goebl

### References

Sackett, P. R., & Ellingson, J. E. (1997). Personnel Psychology., 50(3), 707-721.

8 fuse

dls2007

Decorte, Lievens, & Sackett (2007) example data

#### **Description**

This hypothetical dataset was published in Decorte, W., Lievens, F., Sackett, P. R. (2007). The first column contains black-white subgroup difference scores. Columns 2-7 contain a hypothetical predictor, job performance correlation matrix.

#### Usage

dls2007

#### **Format**

A data frame with 6 rows and 7 columns.

#### References

De Corte, W., Lievens, F., & Sackett, P. R. (2007) Combining predictors to achieve optimal trade-offs between selection quality and adverse impact. emphJournal of Applied Psychology, 92(5), 1380.

fuse

Computes the correlation between two composites of items.

#### **Description**

Computes the correlation between two composites of items. Composites may contain overalapping items. Items weights for each composite may be specified.

### Usage

```
fuse(r_mat, a, b, wt_a = rep(1, length(a)), wt_b = rep(1, length(b)))
```

#### **Arguments**

r_mat	A correlation matrix.
а	The items used for composite A specified as a vector of column numbers.
b	The items used for composite B specified as a vector of column numbers.
wt_a	A vector containing the weights of each item in composite A.
wt_b	A vector containing the weights of each item in composite B.

#### Value

A correlation coefficient.

#### Author(s)

fuseMat 9

#### References

Lord, F.M. & Novick, M.R. (1968). Statisticl theories of menal test scores., 97-98.

#### **Examples**

fuseMat

The intercorrelation among items and composites made of these items.

### Description

The key matrix is used to specify any number of weighted item composites. A correlation matrix of these composites and the original correlation matrix is then computed and returned.

### Usage

```
fuseMat(r_mat, key_mat, type = "full")
```

### **Arguments**

r\_mat A correlation matrix.

key\_mat A matrix with one row for each composite and one column for each item con-

tained in r\_mat. The value if each element corresponds to the weight given to

an item.

type The type of output desired.

#### Value

If type = cxc then a matrix of the intercorrelations between the specified composites are returned. If type = cxr then the intercorrelations between the original item and the specified composites are returned. If type = full then all the intercorrelations between both the original items and the specified composites are returned.

#### Author(s)

10 fuse Vec

### **Examples**

fuseVec

Computes the correlation between a composite and a vector of items.

### Description

Computes the correlation between a composite and a vector of items.

### Usage

```
fuseVec(r_mat, a, wt_a = rep(1, length(a)), output = "vec")
```

#### **Arguments**

r_mat	A correlation matrix.
a	The items used for composite A specified as a vector of column numbers.
wt_a	A vector containing the weights of each item in composite A.
output	Output can be set to "mat", to return a matrix made up of the newly generated correlations appened to the original correlation matrix.

#### Value

A vector of correlation coefficients.

### Author(s)

Allen Goebl and Jeff Jones

### References

Lord, F.M. & Novick, M.R. (1968). Statisticl theories of mental test scores., 97-98.

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#### **Examples**

```
data(dls2007)
dat <- dls2007
rxx <- dat[1:4, 2:5]
items <- c(1,3)
wt_a <- c(2,1)

fuseVec(r_mat=rxx, a=items)
fuseVec(r_mat=rxx, a=items, wt_a=wt_a, output="mat")</pre>
```

1Mvrrc

Lawley multivariate range restriction correction.

### Description

Lawley multivariate range restriction correction.

### Usage

```
lMvrrc(rcov, vnp, as_cor = TRUE)
```

#### Arguments

rcov The covariance matrix of the restricted sample.

vnp The covariance matrix of predictors explicitly used for selection. This matrix

should be based on the the unrestricted population.

as\_cor This argument can be set to FALSE to return a covariance matrix.

#### Value

The the correlation matrix or variance covariance in the unrestricted population.

#### Author(s)

The original function was written by Adam Beatty and adapted by Allen Goebl.

#### References

Lawley D. N (1943). A note on Karl Pearson's selection formulae. *Proceedings of the Royal Society of Edinburgh.*, 62(Section A, Pt. 1), 28-30.

```
data(rcea1994)
vstar <- rcea1994$vstar
vpp <- rcea1994$vpp

lMvrrc(rcov=vstar, vnp=vpp)</pre>
```

12 paretoXX

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Computes data needed for a XX Pareto plot.

### Description

Computes data needed for a XX Pareto plot.

### Usage

```
paretoXX(r_mat, x_col, y_col, pts = 100)
```

### **Arguments**

r_mat	A correlation matrix.
x_col	A vector of columns representing predictor variables.
y_col	A vector of columns representing criterion variables.
pts	The number of points used. Determines accuracy.

#### Value

- betasA matrix of beta weights for each criteria weight
- wt\_oneThe weight given to the first criterion
- multiple\_rThe correlation between the predictor and criterion composites

### Author(s)

Allen Goebl and Jeff Jones

```
# Setup Data
data(dls2007)
r_mat <- dls2007[1:6, 2:7]

#Run Model
XX1 <- paretoXX(r_mat=r_mat, x_col=1:4, y_col=5:6)

# Plot Multiple correlations
plot(c(0,1), c(.3,.5), type="n", xlab="C1 Wt", ylab="mr")
lines(XX1$wt_one, (XX1$R2)[,1])
lines(XX1$wt_one, (XX1$R2)[,2])</pre>
```

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paretoXY	Computes data needed for a XY Pareto plot.

### Description

Computes data needed for a XY Pareto plot.

#### Usage

```
paretoXY(r_mat, x_col, y_col, d_vec, gen = 100, pop = 100,
    pred_lower = rep(-2, length(x_col)), pred_upper = rep(2, length(x_col)))
```

#### **Arguments**

r_mat	A correlation matrix.
x_col	A vector of columns representing predictor variables.
y_col	A vector of columns representing criterion variables.
d_vec	A vector of d scores.
gen	The number of iterations used by the algorithim.
рор	The population or number of cases used by the algorithim.
pred_lower	The minimum weight allowed for each predictor.
pred_upper	The maximum weight allowed for each predictor.

#### Value

- betasA matrix of beta weights for each criteria weight
- mr\_dA matrix of multiple correlations or d values corresponding to each row of beta weights.
- pareto\_optimalA vector indicating whether each value is pareto optimal

### Author(s)

Allen Goebl Jeff Jones

```
data(dls2007)
dat <- dls2007
r_mat <- dat[1:6, 2:7]
x_col <- 1:4
y_col <- 5:6
d_vec <- dat[1:4, 1]

paretoXY(r_mat=r_mat, x_col=1:4, y_col=5, d_vec=d_vec, pred_lower=c(0,0,0,0))
paretoXY(r_mat=r_mat, x_col=1:4, y_col=c(5,6))</pre>
```

14 reliabate

rcea1994

Ree, Carretta, Earles, Albert (1994)

#### **Description**

This example data was published in Ree, M. J., Carretta, T. R., Earles, J. A., & Albert, W. (1994). The data set contains two matrices stored as a list, which can be used to demonstrate multivariate range restriction corrections. The vstar matrix is the variance-covariance matrix of the unrestricted sample. The vpp matrix is the variance covariance matrix of the restricted sample. The vpp matrix represents the subset of variables which were explicitly used for selection, which are also found in the upper left corner of the vstar matrix.

#### Usage

rcea1994

#### **Format**

A list containing a 4x4 matrix and a 2x2 matrix as elements.

#### References

Ree, M. J., Carretta, T. R., Earles, J. A., & Albert, W. (1994). Sign changes when correcting for range restriction: A note on Pearson's and Lawley's selection formulas. *Journal of Applied Psychology*, 72(2), 298.

reliabate

Disattenuate a correlation matrix using an estimate of the component reliabilities

#### **Description**

Disattenuate a correlation matrix using an estimate of the component reliabilities

#### Usage

```
reliabate(r_mat, rel_vec)
```

### Arguments

#### Value

A reliabated (disattenauted) correlation matrix.

#### Author(s)

relWt 15

#### **Examples**

relWt

Relative weights

#### **Description**

Function to implement Johnson's (2000) relative weight computation.

#### Usage

```
relWt(r_mat, y_col, x_col)
```

#### Arguments

r_mat	A correlation matrix.
y_col	A vector of columns representing criterion variables.
x_col	A vector of columns representing predictor variables.

#### Value

A list containing the objects eps, beta\_star, and lambda\_star. The object eps contains the vector of relative weights of the predictors whose sum is equivalent to the model  $\mathbb{R}^2$  (see Johnson, 2000, ps 8 - 9). The object beta\_star contains the regression weights from regressing the criterion on Z, the 'best fitting orthogonal approximation' of the predictor variables (see Johnson, 2000, p. 5). The object lambda\_star contains the regression coefficients from regressing Z on the predictor variables (see Johnson, 2000, p. 8).

### Author(s)

Jeff Jones and Allen Goebl

#### References

Johnson, J. (2000). A heuristic method for estimating the relative weight of predictor variables in multiple regression. *Multivariate Behavioral Research*, *35*, 1–19.

```
Rs <- matrix(c(1.0, 0.2, 0.3, 0.4, -0.4, 0.2, 1.0, 0.5, 0.1, 0.1, 0.3, 0.5, 1.0, 0.2, -0.3, 0.4, 0.1, 0.2, 1.0, 0.4, -0.4, 0.1, -0.3, 0.4, 1.0), 5, 5) ys <- 5 xs <- 1:4  relWt(Rs, ys, xs)
```

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rmatReg

Regression

#### **Description**

Regression

### Usage

```
rmatReg(r_mat, y_col, x_col)
```

### Arguments

r\_mat A correlation matrix.
 y\_col The column representing the criterion variable.
 x\_col A vector of columns representing predictor variables.

#### Value

Regression beta weights and R2.

#### Author(s)

Allen Goebl and Jeff Jones

#### **Examples**

rmatRegPE

Partially evaluated regression

### Description

Returns a function for calculating beta weights and R2 which has been partially evaluated with respect to rxx.

### Usage

```
rmatRegPE(rxx)
```

solveWt 17

### Arguments

rxx

A matrix of predictor intercorrelations.

#### Value

Partially evaluated regression function.

### Author(s)

Allen Goebl and Jeff Jones

### **Examples**

solveWt

Find r given arbitrary predictor weights

### Description

Find r given arbitrary predictor weights

### Usage

```
solveWt(r_mat, y_col, x_col, wt)
```

#### **Arguments**

r_mat	A correlation matrix.
y_col	A vector of columns representing criterion variables.
x_col	A vector of columns representing predictor variables.
wt	A vector of predictor weights or a list of multiple vectors.

#### Value

The correlation between the weighted predictor composite and criterion.

#### Note

This uses a simpler, faster version of the same formula used for fuse().

### Author(s)

18 solveWtR2

#### **Examples**

```
library(iopsych)
#Get Data
data(dls2007)
r_mat <- dls2007[1:6, 2:7]

#Get weights
unit_wt <- c(1,1,1,1)
other_wt <- c(1,2,1,.5)
wt_list <- list(unit_wt, other_wt)

#Solve
solveWt(r_mat=r_mat, y_col=6, x_col=1:4, wt=unit_wt)
solveWt(r_mat=r_mat, y_col=6, x_col=1:4, wt=other_wt)
solveWt(r_mat=r_mat, y_col=6, x_col=1:4, wt=wt_list)</pre>
```

solveWtR2

Find R2 given arbitrary predictor weights

#### **Description**

Find R2 given arbitrary predictor weights

#### Usage

```
solveWtR2(r_mat, y_col, x_col, wt)
```

### Arguments

r\_mat A correlation matrix.
 y\_col A vector of columns representing criterion variables.
 x\_col A vector of columns representing predictor variables.
 wt A vector of predictor weights or a list of multiple vectors.

### Value

Regression R2.

#### Note

This just calls solveWt() and squares the output.

### Author(s)

trModel 19

#### **Examples**

```
library(iopsych)
#Get Data
data(dls2007)
r_mat <- dls2007[1:6, 2:7]

#Get weights
unit_wt <- c(1,1,1,1)
other_wt <- c(1,2,1,.5)
wt_list <- list(unit_wt, other_wt)

#Solve
solveWtR2(r_mat=r_mat, y_col=6, x_col=1:4, wt=unit_wt)
solveWtR2(r_mat=r_mat, y_col=6, x_col=1:4, wt=other_wt)
solveWtR2(r_mat=r_mat, y_col=6, x_col=1:4, wt=other_wt)</pre>
```

trModel

Taylor-Russell Ratio

### **Description**

Computes the Taylor Russel ratio

#### Usage

```
trModel(rxy, sr, br)
```

### **Arguments**

rxy The correlation between the predictor composite and the criterion.

sr The selection ratio.

br The base rate of the criterion. The cutoff point indicating success or failure.

### Value

The success ratio.

### Author(s)

Allen Goebl and Jeff Jones

#### References

Taylor, H. C., & Russell, J. T. (1939). The relationship of validity coefficients to the practical effectiveness of tests in selection: Discussion and tables. *Journal of Applied Psychology*, 25(5), 565.

```
trModel(rxy=.5, sr=.5, br=.6)
```

20 utilityB

utilityB	Boudreau Utility Model.
actificyb	Bouareau Cittiy Mouet.

### **Description**

This utility model extends the BCG model with additional financial variables.

### Usage

```
utilityB(n = 1, sdy, rxy = NULL, uxs = NULL, sr = NULL, pux = NULL, cost = 0, period = 1, v = 0, tax = 0, i = 0)
```

#### **Arguments**

n	The size of the applicant pool
sdy	The standard deviation of performance in monetary units.
rxy	the correlation between the predictor composite and the criterion.
uxs	The average predicter score of those selected. If the uxs is unknown, the sr argument can used instead.
sr	A selection ratio or a vector of selection ratios.
pux	The expected average criterion score of selected applicants.
cost	The cost per applicant of a selection system.
period	The anticipated tenure of selected employees.
V	The proportion of new costs to new revenue (i.e. sc/sv).
tax	The marginal tax rate.
i	Discount rate.

#### Value

Estimated gain in utility.

### Note

This functions can except either (1) pux, (2) uxs and rxy, or (3) sr and rxy.

### Author(s)

Allen Goebl and Jeff Jones

#### References

Boudreau, J.W. (1983). Economic considerations in estimating the utility of human resource productivity improvement programs. *Personnel Psychology*, 36, 551-576.

```
utilityB(sdy=10000, rxy=.50, sr=.30, period=4, v=.5, tax=.1, i=.02)
```

utilityBcg 21

utilityBcg	Brogeden-Cronbach-Gleser Utility Model.	

### **Description**

Estimates the utility of an employee selection system.

### Usage

```
utilityBcg(n = 1, sdy, rxy = NULL, uxs = NULL, sr = NULL, pux = NULL, cost = 0, period = 1)
```

#### **Arguments**

n	The size of the applicant pool
sdy	The standard deviation of performance in monetary units.
rxy	The correlation between the predictor composite and the criterion.
uxs	The average predicter score of those selected. If the uxs is unknown, the sr argument can used instead.
sr	A selection ratio or a vector of selection ratios.
pux	The expected average criterion score of selected applicants
cost	The cost per applicant of a selection system.
perio	The anticipated tenure of selected employees.

### Value

Estimated gain in utility.

### Note

This functions can except either (1) pux, (2) uxs and rxy, or (3) sr and rxy.

#### Author(s)

Allen Goebl and Jeff Jones

### References

Cronbach, L. J., & Gleser, G. C. (1965). Psychological tests and personnel decisions., 37-40.

```
utilityBcg(sdy=10000, rxy=.50, sr=.30)
```

22 utilityRbn

utilityRbn Raju-Burke-Normand Utility Model	
---	--

#### **Description**

This utility model uses SD of job performance ratings rather than the SD of job performance in monetary units.

### Usage

```
utilityRbn(n = 1, sdr, a, rxy, uxs = NULL, sr = NULL, pux = NULL,
  cost = 0, period = 1)
```

### Arguments

n	The size of the applicant pool.
sdr	The standard deviation of ratings of job performance.
a	The average total compensation.
rxy	The correlation between the predictor composite and the criterion.
uxs	The average predicter score of those selected. If the uxs is unknown, the sr argument can used instead.
sr	A selection ratio or a vector of selection ratios.
pux	The expected average criterion score of selected applicants.
cost	The cost per applicant of a selection system.
period	The anticipated tenure of selected employees.

### Value

Estimated gain in utility.

#### Note

This functions can except either (1) pux, (2) uxs and rxy, or (3) sr and rxy.

### Author(s)

Allen Goebl and Jeff Jones

#### References

Raju, N.S., Burke, M.J. and Normand, J. (1990). A new approach for utility analysis. *Journal of Applied Psychology*, 75, 3-12.

```
utilityRbn(sdr=10000, a=90000, rxy=.50, sr=.30)
```

utilityShp 23

utilityShp	Schmidt-Hunter-Pearlman Utility Model.	

### **Description**

This model calculates the utility of an intervention accepting d rather than rxy as an argument.

#### Usage

```
utilityShp(n = 1, sdy, d, cost = 0, period = 1)
```

#### **Arguments**

n	The number of employees involved in the intervention.
sdy	The standard deviation of performance in monetary units.
d	The difference in job performance between the group recieving a treatment and the group not recieving a treatment, expressed in standard deviation units.
cost	The cost of the intervention per participant.
period	The anticipate duration of the training effect.

#### Value

Estimated gain in utility.

### Author(s)

Allen Goebl and Jeff Jones

#### References

Schmidt, F. L., Hunter, J. E., & Pearlman, K. (1982). Assessing the economic impact of personnel programs on workforce productivity. *Personnel Psychology*, 35(2), 333-347.

### **Examples**

```
utilityShp(sdy=10000, d=.50, period=4)
```

ux

The average score of selected applicants on a predictor composite.

### Description

When scores on the predictor composite are assumed to be normally distributed, the average score of selected applicants can be computed for an arbitrary selection ratio using the ordinate of the normal curve.

### Usage

ux(sr)

24 ux

### **Arguments**

sr

A selection ratio or a vector of selection ratios.

#### Value

ux: The average score of those selected on a predicter composite.

### Author(s)

Allen Goebl and Jeff Jones

#### References

Naylor, J. C., & Shine, L. C. (1965). A table for determining the increase in mean criterion score obtained by using a selection device. *Journal of Industrial Psychology*, 78-109.

### **Examples**

ux(.6)

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