## randomizeR 1.0 Quick Reference Guide

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1 Randomization P	1 Randomization Procedures (RP)		
rarPar(N)	Random Allocation rule with N patients		
crPar(N)	Complete Randomization with N patients		
<pre>pbrPar(bc), rpbr(bc)</pre>	(randomized) Permuted Block Design		
ebcPar(N, p)	Efron's Biased Coin Design with N patients and success probability p		
<pre>mpPar(N, mti)</pre>	Maximal Procedure with N patients and maximum tolerated imbalance mti		
bsdPar(N, mti)	Big Stick design with N patients and maximum tolerated imbalance mti		
udPar(N, ini, add)	Wei's urn design with an initial urn composition of ini balls and in each step add balls are added		
:			
createParam(method,	Creates object that represents the chosen RP		
N,)			
genSeq(obj, r, seed)	Generates random sequences		
getAllSeq(obj)	Output of all randomization sequences for the given RP		
<pre>getProb(obj)</pre>	Calculates theoretical probability for observed randomization sequences		
<pre>getRandList(obj)</pre>	Get the randomization list coded in its groups		
saveRand(obj)	Saves the generated randomization sequence and its		
v	input parameters		

	ight] 3 Issue
	Summarize
	selBias(t
	method, a
.c-	chronBias
	theta, me
m	setPower(
	alpha)
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2 Assessment of a Randomization Procedure		
Assess one randomization procedure according to several specified issues		
Evaluates the behavior of randomization se-		
quences with respect to certain issues		
Summary of assessments (for each issue) of		
one RP		

selBias(type, eta,	Issue of selection bias in a clinical trial with mag-
method, alpha)	nitude of selection bias eta
chronBias(type,	Issue of chronological bias in a clinical trial with
theta, method, alpha)	factor of time trend theta
setPower(d, method,	Expected power of the individual randomization
alpha)	sequences with effect size d
normEndp(mu, sigma)	Represents normally distributed endpoints in
	clinical trials (in conjunction with assess func-
	tion and issues mentioned above)
<del>-</del>	there are two possible models supported:  the object represents the simulated type-I-error
For the parameter method method = "sim"	there are two possible models supported:  the object represents the simulated type-I-error
method = "sim"	the object represents the simulated type-I-error rate given the significance level alpha
method = "sim"	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error prob-
<pre>method = "sim" method = "exact"</pre>	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha
method = "sim"	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha  Imbalance of the treatment assignments of pa-
<pre>method = "sim" method = "exact"</pre>	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha  Imbalance of the treatment assignments of patients in clinical trial with parameter type that
<pre>method = "sim" method = "exact"</pre>	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha  Imbalance of the treatment assignments of patients in clinical trial with parameter type that represents the different kinds of imbalance, e.g.
<pre>method = "sim" method = "exact" imbal(type)</pre>	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha  Imbalance of the treatment assignments of patients in clinical trial with parameter type that represents the different kinds of imbalance, e.g. final imbalance, maximal attained imbalance
<pre>method = "sim" method = "exact"</pre>	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha Imbalance of the treatment assignments of patients in clinical trial with parameter type that represents the different kinds of imbalance, e.g. final imbalance, maximal attained imbalance Expected number of correct guesses of random-
<pre>method = "sim" method = "exact" imbal(type)</pre>	the object represents the simulated type-I-error rate given the significance level alpha the object represents the exact type-I-error probability given the significance level alpha  Imbalance of the treatment assignments of patients in clinical trial with parameter type that represents the different kinds of imbalance, e.g. final imbalance, maximal attained imbalance

4 Comparison of Randomization procedures		
Compare several randomization procedures according to one issue		
compare(issue,)	Compares randomization procedures based	
	on a specified issue	
<pre>plot(compare())</pre>	Creates a box- or violinplot of an object of	
	the class comparison	