Package 'burgle'

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Type Package	
Title 'Burgle': Stealing the Necessary Parts of Model Objects	
Version 0.1.2	
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Description Provides a way to reduce model objects to necessary parts, making them easier to work with, store, share and simulate multiple values for new responses while allowing for parameter uncertainty.	
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Encoding UTF-8	
RoxygenNote 7.2.3	
Imports stats, MASS, survival, riskRegression	
Suggests flexsurv, nnet	
Depends R (>= $4.0.0$)	
NeedsCompilation no	
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Burgle

Description

Burgling what is necessary from different objects

Usage

```
burgle(object, ...)
## S3 method for class 'lm'
burgle(object, ...)
## S3 method for class 'glm'
burgle(object, ...)
## S3 method for class 'CauseSpecificCox'
burgle(object, ...)
## S3 method for class 'cph'
burgle(object, ...)
## S3 method for class 'flexsurvreg'
burgle(object, ...)
## S3 method for class 'multinom'
burgle(object, ...)
## S3 method for class 'coxph'
burgle(object, ...)
```

Arguments

```
object the model object to burgle ... must be left empty for now
```

Value

```
a burgle_object
```

Examples

```
fit <- lm(Sepal.Length ~ Sepal.Width + Petal.Length, data = iris)
bfit <- burgle(fit)
object.size(fit)
object.size(bfit)</pre>
```

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predict_burgle

Predict for burgle methods

Description

Predict for burgle methods

Usage

```
## S3 method for class 'burgle_CauseSpecificCox'
predict(
 object,
 newdata = NULL,
  type = "lp",
  cause = 1,
 original = TRUE,
 draws = 1,
  sims = 1,
  times = NULL,
)
## S3 method for class 'burgle_cph'
predict(object, ...)
## S3 method for class 'burgle_flexsurvreg'
predict(
 object,
 newdata = NA,
 original = TRUE,
 draws = 1,
  sims = 1,
  type = "lp",
  times = NULL,
## S3 method for class 'burgle_multinom'
predict(
 object,
  newdata = NA,
 original = TRUE,
  draws = 1,
  sims = 1,
  type = "lp",
  floor = FALSE,
  seed = NULL,
```

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```
)
## S3 method for class 'burgle_coxph'
predict(
 object,
 newdata = NA,
 original = TRUE,
 draws = 1,
  sims = 1,
  type = "lp",
  times = NULL,
)
## S3 method for class 'burgle_lm'
predict(
  object,
  newdata,
 original = TRUE,
 draws = 1,
  sims = 1,
  type = "lp",
  se = FALSE,
 limits = NULL,
)
## S3 method for class 'burgle_glm'
predict(
 object,
 newdata,
 original = TRUE,
  draws = 1,
  sims = 1,
  type = "lp",
  se = FALSE,
)
```

Arguments

object the results of burgle_* object

newdata new data of class data.frame

type either 'lp', 'response', 'link' for glm or 'risk' if time dependent

cause which cause do you want to predict

original whether or not to predict using the original model

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draws	how many different models to simulate
sims	how many simulated response to draw
times	if type = "risk" time for which to predict risk, if times and sims is multiple the return will be lists within lists
	for future methods
floor	will set the minimum odds to 0, if negative odds exists
seed	a seed to specificy for simulating responses (multinomial only)
se	whether or not to include the standard error in the simulations
limits	limits (minimum and maximum) for simulated response values.

Value

either a matrix or list of new model predictions

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