

Overview of Utilities in the pkgmaker Package

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Overview of Utilities in the pkgmaker Package

[?]

Gaujoux and Seoighe (2010) (???), (???), (???)

Knitr hooks

hook_try: showing error message in try statements

This hooks aims at showing the error message generated by `try` blocks, which are otherwise not shown in the generated document.

Hook registration

```
library(knitr)
knit_hooks$set(try = pkgmaker::hook_try)
```

Usage

```
try( stop('this error will not appear in the document'))
```

Using chunk option `try =`, the error message is shown in the document:

```
txt <- 'this error will be shown'
try( stop(txt) )
## Error: this error will be shown
```

Note that by default, the error message is not highlighted by `knitr` as an error but only as a normal message. This is because highlighting apparently relies on an actual error signal condition being raised, which in turn makes the package building process R CMD b fail. However, it is still possible to highlight the error when generating a document outside a package, by using the chunk option `try = F`:

```
txt <- 'this error will be shown'
try( stop(txt) )
## Error: this error will be shown
```

Session Info

- R version 3.3.1 (2016-06-21), x86_64-pc-linux-gnu
- Locale: LC_CTYPE=en_ZA.UTF-8, LC_NUMERIC=C, LC_TIME=en_ZA.UTF-8, LC_COLLATE=en_ZA.UTF-8, LC_MONETARY=en_ZA.UTF-8, LC_MESSAGES=en_ZA.UTF-8, LC_PAPER=en_ZA.UTF-8, LC_NAME=C, LC_ADDRESS=C, LC_TELEPHONE=C, LC_MEASUREMENT=en_ZA.UTF-8, LC_IDENTIFICATION=C
- Base packages: base, datasets, graphics, grDevices, methods, stats, utils
- Other packages: BiocStyle 2.0.2, knitr 1.13
- Loaded via a namespace (and not attached): codetools 0.2-14, digest 0.6.9, evaluate 0.9, formatR 1.4, htmltools 0.3.5, magrittr 1.5, pkgmaker 0.26, Rcpp 0.12.6, registry 0.3, rmarkdown 0.9.6, stringi 1.1.1, stringr 1.0.0, tools 3.3.1, xtable 1.8-2, yaml 2.1.13

Gaujoux, Renaud, and Cathal Seoighe. 2010. "A Flexible R Package for Nonnegative Matrix Factorization." *BMC Bioinformatics* 11 (1): 367. doi:[10.1186/1471-2105-11-367](https://doi.org/10.1186/1471-2105-11-367).