1 Knitr hooks

1.1 hook_try: showing error message in try statements

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

Hook registration

\begin{verbatim}
library(knitr)
knit_hooks$set(try = pkgmaker::hook_try)
\end{verbatim}

Usage

\begin{verbatim}
try(stop("this error will not appear in the document"))
\end{verbatim}

Using chunk option \texttt{try = TRUE}, the error message is shown in the document:

\begin{verbatim}
txt <- "this error will be shown"
try(stop(txt))
## Error: this error will be shown
\end{verbatim}

Note that by default, the error message is not highlighted by \texttt{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 \texttt{R CMD build} fail. However, it is still possible to highlight the error when generating a document outside a package, by using the chunk option \texttt{try = FALSE}:

\begin{verbatim}
txt <- "this error will be shown"
try(stop(txt))
## Error: this error will be shown
\end{verbatim}
2 Session Info

- R version 3.1.0 (2014-04-10), x86_64-pc-linux-gnu
- Locale: LC_CTYPE=en_US.UTF-8, LC_NUMERIC=C, LC_TIME=en_US.UTF-8,
  LC_COLLATE=en_US.UTF-8, LC_MONETARY=en_US.UTF-8, LC_MESSAGES=en_US.UTF-8,
  LC_PAPER=en_US.UTF-8, LC_NAME=C, LC_ADDRESS=C, LC_TELEPHONE=C,
  LC_MEASUREMENT=en_US.UTF-8, LC_IDENTIFICATION=C
- Base packages: base, datasets, graphics, grDevices, stats, utils
- Other packages: knitr 1.5, pkgmaker 0.22, registry 0.2
- Loaded via a namespace (and not attached): codetools 0.2-8, digest 0.6.4, evaluate 0.5.5,
  formatR 0.10, highr 0.3, methods 3.1.0, stringr 0.6.2, tools 3.1.0, xtable 1.7-3