## knitr Reference Card

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# 1 Syntax

$\overline{\text{format}}$	start	end	inline	output
Rnw	<<*>>=	0	\Sexpr{x}	TEX
Rmd	```{r *}	***	`r x`	MD
Rhtml	begin.rcode *</td <td>end.rcode&gt;</td> <td><!--rinline x--></td> <td>HTML</td>	end.rcode>	rinline x	HTML
Rrst	{r *}		:r:`x`	reST
Rtex	% begin.rcode *	% end.rcode	\rinline{x}	TEX
Rasciidoc	// begin.rcode *	// end.rcode	+r x+	AsciiDoc
Rtextile	### begin.rcode *	### end.rcode	0r x0	Textile
brew			<% x %>	text

<sup>\*</sup> denotes local chunk options, e.g. <<label, eval=FALSE>>=; x denotes inline R code, e.g. `r 1+2` (MD stands for Markdown)

# 2 Minimal Examples

#### 2.1 Sweave (\*.Rnw)

\documentclass{article}
\begin{document}

Below is a code chunk.
<<foo, echo=TRUE>>=
z = 1+1
plot(cars)

The value of z is \Sexpr{z}. \end{document}

### 2.2 R Markdown (\*.Rmd)

Hi \_markdown\_!

r foo, echo=TRUEz = 1+1

plot(cars)

The value of z is `r z`.

## 2.3 Brew (\*.brew)

The value of pi is <% pi %>.

# 3 Chunk Options

eval whether to evaluate the chunk

**engine** language name (R, python, ...)

opts\_chunk controls global chunk options, e.g. opts\_chunk\$set(tidy = FALSE), which can be overridden by local chunk options. See all options at https://yihui.org/knitr/options/; some frequently used options:

echo whether to echo source code
results 'markup', 'asis', 'hold', 'hide'
tidy whether to reformat R code
cache whether to cache results
fig.width, fig.height, out.width, out.height device and output size of figures
include whether to include the chunk results in output
child filenames of child documents

## 4 Functions

### 5 Resources

- homepage: https://yihui.org/knitr/
- development repository: https://github.com/yihui/knitr (CRAN,
- examples: https://github.com/yihui/knitr-examples
- $\bullet \ \, stack overflow: \ \, \verb|http://stackoverflow.com/tags/knitr/|$
- mailing list: https://groups.google.com/group/knitr