Title On Multiple Lines

Dayne Okuhara

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1 New Lines

\\ new line
\newline new line
% comment outside of chunks
\bigbreak Insert a blank line. The new line will be indented

1.1 Examples

Insert a 'new line 1' after this line\\
'new line 1'\\
Insert a 'blank line below' after this line\bigbreak
This line is indented with a blank line above\\
Insert a 'blank line below' after this line\bigbreak
\noindent
This line is not indented with a blank line above\newline

Insert a 'new line 1' after this line 'new line 1'
Insert a 'blank line below' after this line

This line is indented with a blank line above Insert a 'blank line below' after this line

This line is not indented with a blank line above

2 Escaping Special Character

Special characters include: _ % { } ^ \ Escape special characters by placing a backslash in front of the character. 10_- , 10%, 10%, 10%, 10% is an exception. Use \textbackslash to print \ 10\textbackslash

2.1 Examples

```
dataframeColumn

10_{-}

10\%

\{10\ 10\}

10^{\hat{}}

10
```

3 Spacing

```
\ in front of a space to insert a single space
\, inserts a thinspace 0.167em
\enspace inserts a 0.5em space
\quad inserts a 1em space
\quad inserts a 2em space
\quad inserts a 2em space
\qquad qquad
\hspace{3cm} insert a blank space of specific length, i.e, 8.2em, 90pt or 3cm
\indent indent
\noindent noindent
\vspace{10mm} Starts a new paragraph by inserting a blank space between lines with
specific a length.

Math mode requires the expression and space option is bracketed with $
$a\enspace$ enspace\\
$a\quad$ quad\\
$a\quad$ qquad\\
$a\qquad$ qquad\\
```

3.1 Examples

\$a\quad\$ quad
\$a\qquad\$ qquad

```
Text mode:
a\enspace enspace
a\quad quad
a\qquad qquad
a \hspace{3cm} 3 cm hspace
\indent indent
\noindent noindent followed by \textbackslash vspace\{5cm\}
\vspace {5mm}
new paragraph
Notice how escaping ^ with a \ places the ^ directly above the 2 in the expression n^2.
By using n\^\,2, this places and empty space between the ^ and 2
n\^2 \quad n\^\,2

Math mode with $:
$a\enspace$ enspace
```

```
Text mode:
a enspace
   quad
     qquad
a
                    3 cm hspace
   indent
noindent followed by \vspace{5cm}
   new paragraph
\hat{n}2
    n^2
Math mode with $:
  enspace
    quad
a
      qquad
a
```

4 Verbatim

There are several ways to introduce text that won't be interpreted by the compiler. If you use the Verbatim environment, everything input between the begin and end commands are processed as if by a typewriter.

```
Start Verbatim use the option: \left\{ Verbatim \right\} [fontsize = \sline Verbatim use the option: \left\} [fontsize = \sline Verbatim]
```

4.1 Example

```
GAGTAATCCTTCACTTCAAGGCCAGTCTTCACATCTCATCAGA
ACATCTCA
ACATCTCA
ACATCTCA
ACATCTCA
```

5 Specific For R outputs

```
In some case, the Signif codes may appear as gibberish. If this occurs add the following lines to the preamble: \t to the preamble: to the preamble: the preamble: the preamble of the pream
```

```
Residuals:
```

Min 1Q Median 3Q Max -6.3002 -1.6629 0.0412 1.8944 3.9775

Coefficients:

Estimate Std. Error t value Pr(>|t|)
(Intercept) -38.45509 8.04901 -4.778 0.00139 **

x 0.67461 0.05191 12.997 1.16e-06 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 3.253 on 8 degrees of freedom

Multiple R-squared: 0.9548, Adjusted R-squared: 0.9491

F-statistic: 168.9 on 1 and 8 DF, p-value: 1.164e-06

> tab <- matrix(c(0.3,0.2,0.3,0.2),2,2)

> tab

[,1] [,2]

[1,] 0.3 0.3

[2,] 0.2 0.2

> chisq.test(tab,correct=FALSE)

Pearson's Chi-squared test

data: tab

X-squared = 0, df = 1, p-value = 1