stp25-output.R

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2020-05-31

Text("out\_format")

##   
## out\_format

HTML\_(knitr:::out\_format())

## markdown

Text("is\_latex\_output")

##   
## is\_latex\_output

HTML\_(knitr::is\_latex\_output())

## FALSE

Text("is\_html\_output")

##   
## is\_html\_output

HTML\_(knitr::is\_html\_output())

## FALSE

Text("pandoc\_to")

##   
## pandoc\_to

HTML\_(knitr:::pandoc\_to())

## docx

Text("which\_output")

##   
## which\_output

HTML\_(which\_output())

## docx

## default

set\_my\_options(output=FALSE)

dat %>% Output()

##   
## Tab 1:

| term | n | m |
| --- | --- | --- |
| A | 23 | 4.7 (2.4) |
| B | 14 | 4.1 (2.3) |
| C | 56 | 8.9 (3.6) |
| D | 2 |  |

dat %>% Output(output = "html")

## <table class='gmisc\_table' style='border-collapse: collapse; padding-left: .5em; padding-right: .2em;' >  
## <thead>  
## <tr><td colspan='3' style='text-align: left;'>  
## Tab 2: </td></tr>  
## <tr>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>Quelle</th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>n</th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>m</th>  
## </tr>  
## </thead>  
## <tbody>  
## <tr>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>A</td>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>23</td>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>4.7&nbsp;(2.4)</td>  
## </tr>  
## <tr>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>B</td>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>14</td>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>4.1&nbsp;(2.3)</td>  
## </tr>  
## <tr>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>C</td>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>56</td>  
## <td style='padding-left: .5em; padding-right: .2em; text-align: left;'>8.9&nbsp;(3.6)</td>  
## </tr>  
## <tr>  
## <td style='padding-left: .5em; padding-right: .2em; border-bottom: 2px solid grey; text-align: left;'>D</td>  
## <td style='padding-left: .5em; padding-right: .2em; border-bottom: 2px solid grey; text-align: left;'>2</td>  
## <td style='padding-left: .5em; padding-right: .2em; border-bottom: 2px solid grey; text-align: left;'></td>  
## </tr>  
## </tbody>  
## <tfoot><tr><td colspan='3'>  
## </td></tr></tfoot>  
## </table>

#dat %>% Output(output="word")  
dat %>% Output(output = "latex")

## \begin{table}[!h]  
## \centering  
## \begin{tabular}{lrl}  
## \toprule  
## Quelle & n & m\\  
## \midrule  
## A & 23 & 4.7 (2.4)\\  
## B & 14 & 4.1 (2.3)\\  
## C & 56 & 8.9 (3.6)\\  
## D & 2 & \\  
## \bottomrule  
## \end{tabular}  
## \end{table}

dat %>% Output(output = "text")

##   
## Tab 3:   
## Quelle n m  
## 1 A 23 4.7 (2.4)  
## 2 B 14 4.1 (2.3)  
## 3 C 56 8.9 (3.6)  
## 4 D 2 <NA>  
##   
##

dat %>% Output(output = "pandoc")

##   
##   
## Quelle n m   
## ------- --- ----------  
## A 23 4.7 (2.4)   
## B 14 4.1 (2.3)   
## C 56 8.9 (3.6)   
## D 2

Head("Andere Packete")

##   
## Andere Packete

my\_data <- head(iris)  
names(my\_data) <- c(letters[1:ncol(iris)])  
  
  
Text("knitr::kable")

##   
## knitr::kable

library("knitr")  
kable(my\_data) %>% HTML\_()

a

b

c

d

e

5.1

3.5

1.4

0.2

setosa

4.9

3.0

1.4

0.2

setosa

4.7

3.2

1.3

0.2

setosa

4.6

3.1

1.5

0.2

setosa

5.0

3.6

1.4

0.2

setosa

5.4

3.9

1.7

0.4

setosa

Text("xtable::xtable")

xtable::xtable

library("xtable")  
print(  
 xtable(my\_data),  
 type = "html",  
 include.rownames = FALSE,  
 html.table.attributes = list("border='0' cellpadding='5' ")  
) %>% HTML\_()

a

b

c

d

e

5.10

3.50

1.40

0.20

setosa

4.90

3.00

1.40

0.20

setosa

4.70

3.20

1.30

0.20

setosa

4.60

3.10

1.50

0.20

setosa

5.00

3.60

1.40

0.20

setosa

5.40

3.90

1.70

0.40

setosa

a

b

c

d

e

5.10

3.50

1.40

0.20

setosa

4.90

3.00

1.40

0.20

setosa

4.70

3.20

1.30

0.20

setosa

4.60

3.10

1.50

0.20

setosa

5.00

3.60

1.40

0.20

setosa

5.40

3.90

1.70

0.40

setosa

Text("xtable::xtable")

xtable::xtable

library(xtable)  
print(xtable(my\_data), type = 'html') %>% HTML\_()

a

b

c

d

e

1

5.10

3.50

1.40

0.20

setosa

2

4.90

3.00

1.40

0.20

setosa

3

4.70

3.20

1.30

0.20

setosa

4

4.60

3.10

1.50

0.20

setosa

5

5.00

3.60

1.40

0.20

setosa

6

5.40

3.90

1.70

0.40

setosa

a

b

c

d

e

1

5.10

3.50

1.40

0.20

setosa

2

4.90

3.00

1.40

0.20

setosa

3

4.70

3.20

1.30

0.20

setosa

4

4.60

3.10

1.50

0.20

setosa

5

5.00

3.60

1.40

0.20

setosa

6

5.40

3.90

1.70

0.40

setosa

Text("xtable::xtable")

xtable::xtable

library(xtable)  
print(xtable(my\_data),  
 type = 'html',  
 html.table.attributes = '') %>% HTML\_()

a

b

c

d

e

1

5.10

3.50

1.40

0.20

setosa

2

4.90

3.00

1.40

0.20

setosa

3

4.70

3.20

1.30

0.20

setosa

4

4.60

3.10

1.50

0.20

setosa

5

5.00

3.60

1.40

0.20

setosa

6

5.40

3.90

1.70

0.40

setosa

a

b

c

d

e

1

5.10

3.50

1.40

0.20

setosa

2

4.90

3.00

1.40

0.20

setosa

3

4.70

3.20

1.30

0.20

setosa

4

4.60

3.10

1.50

0.20

setosa

5

5.00

3.60

1.40

0.20

setosa

6

5.40

3.90

1.70

0.40

setosa

Text("pander::pandoc.table")

pander::pandoc.table

library("pander")  
pandoc.table(my\_data) %>% HTML\_()

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a | b | c | d | e |
| 5.1 | 3.5 | 1.4 | 0.2 | setosa |
| 4.9 | 3 | 1.4 | 0.2 | setosa |
| 4.7 | 3.2 | 1.3 | 0.2 | setosa |
| 4.6 | 3.1 | 1.5 | 0.2 | setosa |
| 5 | 3.6 | 1.4 | 0.2 | setosa |
| 5.4 | 3.9 | 1.7 | 0.4 | setosa |

Text("pander::pandoc.table")

pander::pandoc.table

library("pander")  
pandoc.table(my\_data, split.cells = 5) %>% HTML\_()

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a | b | c | d | e |
| 5.1 | 3.5 | 1.4 | 0.2 | setosa |
| 4.9 | 3 | 1.4 | 0.2 | setosa |
| 4.7 | 3.2 | 1.3 | 0.2 | setosa |
| 4.6 | 3.1 | 1.5 | 0.2 | setosa |
| 5 | 3.6 | 1.4 | 0.2 | setosa |
| 5.4 | 3.9 | 1.7 | 0.4 | setosa |

Text("pander::pandoc.table")

pander::pandoc.table

pander::panderOptions('table.split.table', 350)  
pander::pandoc.table(my\_data, style = "rmarkdown") %>% HTML\_()

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a | b | c | d | e |
| 5.1 | 3.5 | 1.4 | 0.2 | setosa |
| 4.9 | 3 | 1.4 | 0.2 | setosa |
| 4.7 | 3.2 | 1.3 | 0.2 | setosa |
| 4.6 | 3.1 | 1.5 | 0.2 | setosa |
| 5 | 3.6 | 1.4 | 0.2 | setosa |
| 5.4 | 3.9 | 1.7 | 0.4 | setosa |

# #+  
# library("ascii")  
# print(ascii(my\_data), type = 'pandoc')  
  
Text("htmlTable::htmlTable")

htmlTable::htmlTable

library("htmlTable")  
htmlTable(my\_data, col.rgroup = c("none", "#F7F7F7")) %>% HTML\_()

## <table class='gmisc\_table' style='border-collapse: collapse; margin-top: 1em; margin-bottom: 1em;' >  
## <thead>  
## <tr>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey;'> </th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>a</th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>b</th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>c</th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>d</th>  
## <th style='border-bottom: 1px solid grey; border-top: 2px solid grey; text-align: center;'>e</th>  
## </tr>  
## </thead>  
## <tbody>  
## <tr>  
## <td style='text-align: left;'>1</td>  
## <td style='text-align: center;'>5.1</td>  
## <td style='text-align: center;'>3.5</td>  
## <td style='text-align: center;'>1.4</td>  
## <td style='text-align: center;'>0.2</td>  
## <td style='text-align: center;'>setosa</td>  
## </tr>  
## <tr style='background-color: #f7f7f7;'>  
## <td style='background-color: #f7f7f7; text-align: left;'>2</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>4.9</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>3</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>1.4</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>0.2</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>setosa</td>  
## </tr>  
## <tr>  
## <td style='text-align: left;'>3</td>  
## <td style='text-align: center;'>4.7</td>  
## <td style='text-align: center;'>3.2</td>  
## <td style='text-align: center;'>1.3</td>  
## <td style='text-align: center;'>0.2</td>  
## <td style='text-align: center;'>setosa</td>  
## </tr>  
## <tr style='background-color: #f7f7f7;'>  
## <td style='background-color: #f7f7f7; text-align: left;'>4</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>4.6</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>3.1</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>1.5</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>0.2</td>  
## <td style='background-color: #f7f7f7; text-align: center;'>setosa</td>  
## </tr>  
## <tr>  
## <td style='text-align: left;'>5</td>  
## <td style='text-align: center;'>5</td>  
## <td style='text-align: center;'>3.6</td>  
## <td style='text-align: center;'>1.4</td>  
## <td style='text-align: center;'>0.2</td>  
## <td style='text-align: center;'>setosa</td>  
## </tr>  
## <tr style='background-color: #f7f7f7;'>  
## <td style='background-color: #f7f7f7; border-bottom: 2px solid grey; text-align: left;'>6</td>  
## <td style='background-color: #f7f7f7; border-bottom: 2px solid grey; text-align: center;'>5.4</td>  
## <td style='background-color: #f7f7f7; border-bottom: 2px solid grey; text-align: center;'>3.9</td>  
## <td style='background-color: #f7f7f7; border-bottom: 2px solid grey; text-align: center;'>1.7</td>  
## <td style='background-color: #f7f7f7; border-bottom: 2px solid grey; text-align: center;'>0.4</td>  
## <td style='background-color: #f7f7f7; border-bottom: 2px solid grey; text-align: center;'>setosa</td>  
## </tr>  
## </tbody>  
## </table>

Text("hwriter::hwriter")

##   
## hwriter::hwriter

library(hwriter)  
hwrite(my\_data, border = 0) %>% HTML\_()

a

b

c

d

e

1

5.1

3.5

1.4

0.2

setosa

2

4.9

3.0

1.4

0.2

setosa

3

4.7

3.2

1.3

0.2

setosa

4

4.6

3.1

1.5

0.2

setosa

5

5.0

3.6

1.4

0.2

setosa

6

5.4

3.9

1.7

0.4

setosa

Text("hwriter::hwriter")

hwriter::hwriter

library(hwriter)  
cat(  
 hwrite(  
 my\_data,  
 border = 0,  
 center = TRUE,  
 table.frame = 'void',  
 width = '300px',  
 table.style = 'padding: 50px',  
 row.names = FALSE,  
 row.style = list('font-weight:bold')  
 )  
) %>% HTML\_()

a

b

c

d

e

5.1

3.5

1.4

0.2

setosa

4.9

3.0

1.4

0.2

setosa

4.7

3.2

1.3

0.2

setosa

4.6

3.1

1.5

0.2

setosa

5.0

3.6

1.4

0.2

setosa

5.4

3.9

1.7

0.4

setosa

End()

## Warning in HTMLGetFile(): not default HTML output file defined; please call  
## HTMLSetFile2() to set it

Reset Kontraste