"How to" in orgmode

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Default block

Nested models

Consider two models $\mathcal{M}_0$ and $\mathcal{M}$

Colored block

The `beamercolorbox` environment!

block title

Box type `beamerboxesrounded`
with shadow.
Different colours are possible for the header and box contents. . . .

Example

Box type `beamerboxesrounded`
with shadow.
Different colours are possible for the header and box contents. . . .

Set output size

```
summary(model)
```

```
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
dense_22 (Dense)             (None, 256)               200960
_________________________________________________________________
dense_23 (Dense)             (None, 128)               32896
_________________________________________________________________
dense_24 (Dense)             (None, 10)                1290
=================================================================
Total params: 235,146
Trainable params: 235,146
Non-trainable params: 0
_________________________________________________________________
```

```
model$weights[[1]]
```

```
<tf.Variable 'dense_4/kernel:0' shape=(784, 256) dtype=float32_ref>
```

Inline R

Bla 2.

Choose item

(A) yyy

(1) xxx

Use itemize and modify vertical space

- a
- b
- c

label scheme

- level 1:
  - level 2:
    - level 3:
      - level 4:

Nice latex table

(require booktabs)

A D	B (n=282)	C (n=280)
Grade 1	48 (17%)	69 (24.6%)
Grade 2	118 (41.8%)	89 (31.5%)
Grade 3	72 (25.5%)	47 (16.8%)
Grade 4	11 (3.9%)	6 (2.1%)
Grade 5	4 (1.4%)	3 (1.1%)

From R to latex (1/3)

```
library(xtable)
data(tli)
xtable(tli[1:10, ])
```

```
% latex table generated in R 4.2.0 by xtable 1.8-4 package
% Wed Mar 12 09:43:06 2025
\begin{table}[ht]
\centering
\begin{tabular}{rrlllr}
  \hline
 & grade & sex & disadvg & ethnicty & tlimth \\
  \hline
1 &   6 & M & YES & HISPANIC &  43 \\
  2 &   7 & M & NO & BLACK &  88 \\
  3 &   5 & F & YES & HISPANIC &  34 \\
  4 &   3 & M & YES & HISPANIC &  65 \\
  5 &   8 & M & YES & WHITE &  75 \\
  6 &   5 & M & NO & BLACK &  74 \\
  7 &   8 & F & YES & HISPANIC &  72 \\
```

From R to latex (2/2)

```
library(xtable)
data(tli)
xtable(tli[1:10, ])
```

	grade	sex	disadvg	ethnicty	tlimth
1	6	M	YES	HISPANIC	43
2	7	M	NO	BLACK	88
3	5	F	YES	HISPANIC	34
4	3	M	YES	HISPANIC	65
5	8	M	YES	WHITE	75
6	5	M	NO	BLACK	74
7	8	F	YES	HISPANIC	72
8	4	M	YES	BLACK	79
9	6	M	NO	WHITE	88
10	7	M	YES	HISPANIC	87

From R to org

```
library(ascii)
options(asciiType="org")
ascii(xtable(tli[1:10, ]))
```

From R to latex (3/3)

Citations

(Pearson, 1905)

Pearson (1905)

(Pearson, 1905, xx)

(Pearson, 1905, p. 150)

No numbering for the section

Reference to the section

16

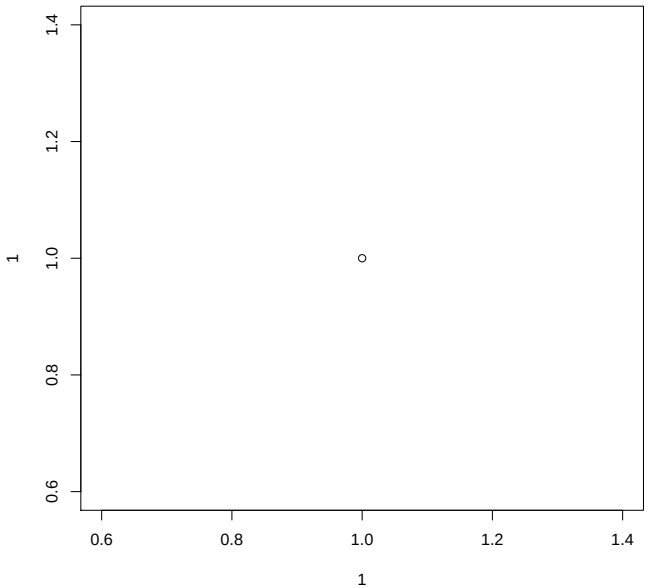
Divide the page (align at the middle)

topic

subtopic

sub

topic



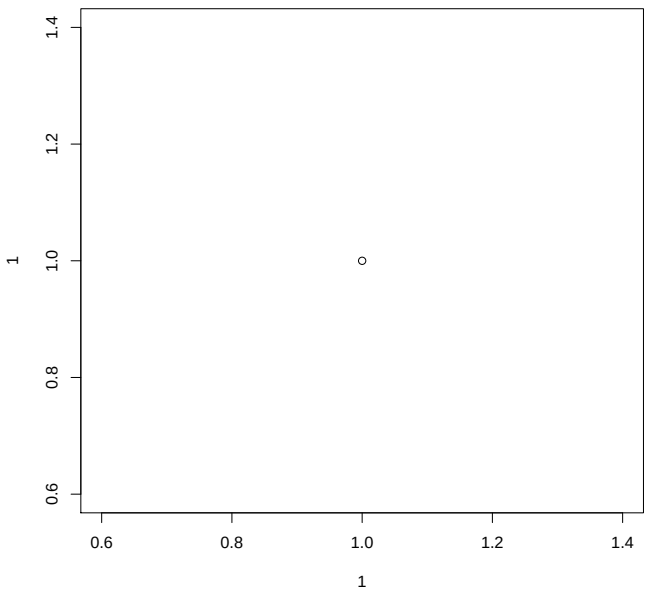
Divide the page (align at the top)

topic

subtopic

sub

topic



Inline latex

any arbitrary LaTeX code

Color tex

(see header for the definition of darkgreen)

risk factor: adjust (will increase precision)

Footnote

This is a footnote[1].

[1] blaa

Big centered text

Quiz

Change margin

(require changepage)

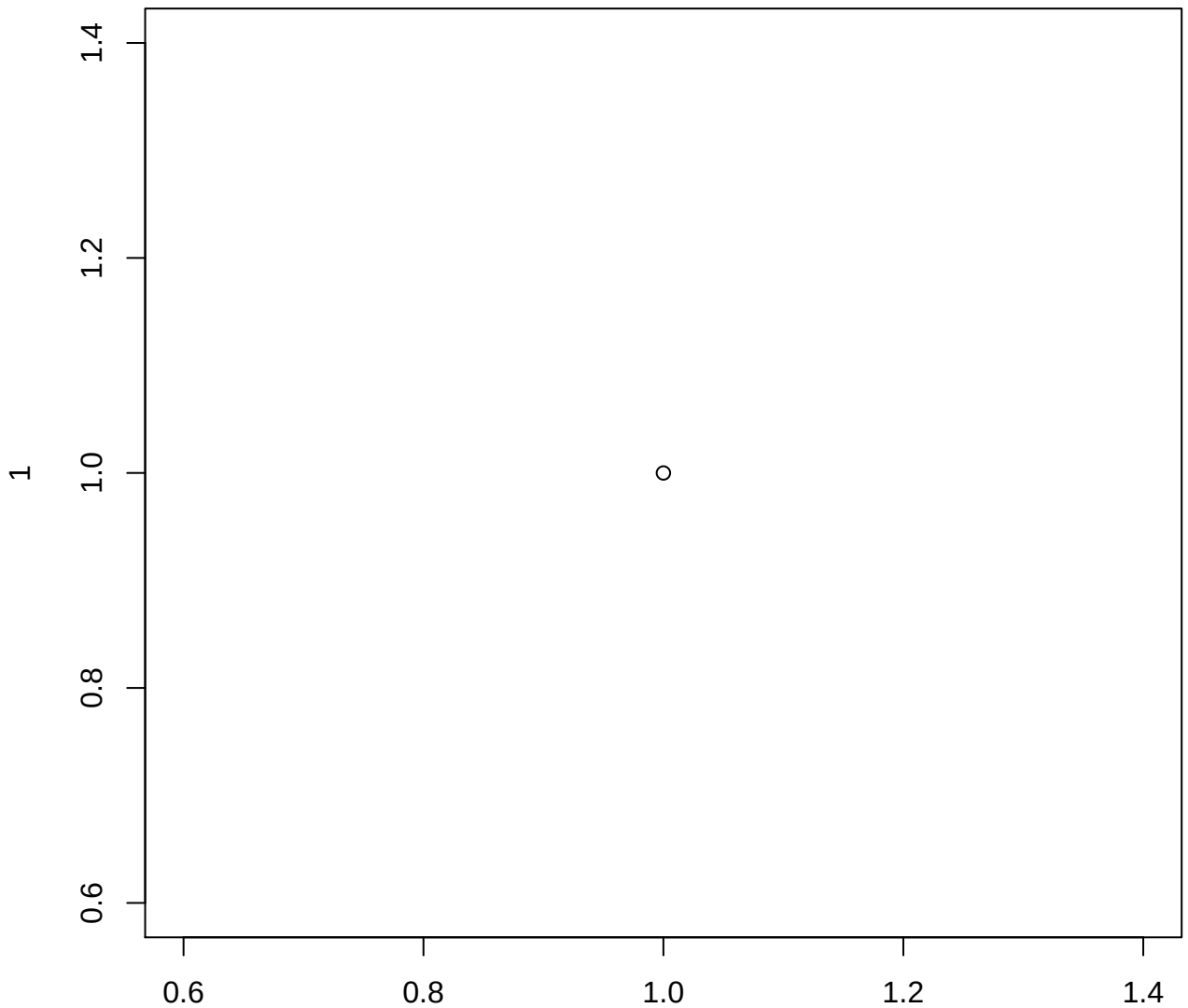
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

strikethrough text

~~help with reproducibility~~

Trim figure



Comments

Pearson, K. (1905). The problem of the random walk. *Nature*, 72(1867):342.