

Examples for the orgutils package

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1 to0rg

to0rg is a generic function in the spirit of toLatex: it transforms R objects into Org snippets. This is most useful for data frames:

```
> df <- data.frame(numbers = 1:5, row.names = LETTERS[1:5])  
> df
```

	numbers
A	1
B	2
C	3
D	4
E	5

And transformed into Org markup:

```
> require("orgutils")  
> to0rg(df)
```

row.names	numbers
A	1
B	2
C	3
D	4
E	5

Since Org tables are very human-readable, such a display is also useful for plain-text emails or reports.

There are also to0rg methods for dates (class Date) and times (classes POSIXct and POSIXlt).

```
> to0rg(Sys.Date())
```

```
<2024-01-31 Wed>
```

```
> to0rg(Sys.time())
```

```
<2024-01-31 Wed 21:30:26>
```

```
> to0rg(Sys.time(), inactive = TRUE)
```

```
[2024-01-31 Wed 21:30:26]
```

2 readOrg

Suppose you have the following Org file:

```
#+TITLE: My table file
```

```
There is text.
```

```
#+name: table1
```

```
| A | B | C |  
|---+---+---|  
| 1 | 2 | 3 |  
| 4 | 5 | 6 |
```

```
And more text.
```

```
#+name: table2
```

```
| D | E | F |  
|---+---+---|  
| 1 | 2 | 3 |  
| 4 | 5 | X |
```

```
And more text.
```

```
#+name: table3
```

```
| G | H | I |  
|---+---+---|  
| 5 | 7 | 9 |  
| 6 | 8 | 0 |
```

```
And more text.
```

To read the second table, say, use `readOrg` and specify the `table.name` argument.

```
> readOrg(filename, table.name = "table2")
```

```
D E F  
1 1 2 3  
2 4 5 X
```

```
> toLatex(sessionInfo())
```

- R version 4.3.2 (2023-10-31), x86_64-pc-linux-gnu
- Locale: LC_CTYPE=en_US.UTF-8, LC_NUMERIC=C, LC_TIME=en_GB.UTF-8, LC_COLLATE=C, LC_MONETARY=en_GB.UTF-8, LC_MESSAGES=en_US.UTF-8, LC_PAPER=en_GB.UTF-8, LC_NAME=C, LC_ADDRESS=C, LC_TELEPHONE=C, LC_MEASUREMENT=en_GB.UTF-8, LC_IDENTIFICATION=C
- Time zone: Europe/Zurich
- TZcode source: system (glibc)
- Running under: Ubuntu 23.10
- Matrix products: default

- BLAS: `/usr/lib/x86_64-linux-gnu/openblas-openmp/libblas.so.3`
- LAPACK:
`/usr/lib/x86_64-linux-gnu/openblas-openmp/libopenblas-r0.3.23.so ;`
LAPACK version 3.11.0
- Base packages: `base, datasets, grDevices, graphics, methods, stats, utils`
- Other packages: `orgutils 0.5-0`
- Loaded via a namespace (and not attached): `compiler 4.3.2, textutils 0.3-2,`
`tools 4.3.2`