# Meld test for compareWith

### Nicoletta Farabullini

### 2019-05-15

Note that R Markdown does not seem to show the `stdout` from `system2()`. When `system2()` is run at the R console, though, what is returned as `ret` when `stdout = TRUE` will be correctly displayed.

**Case A**

Meld is installed and the version is printed to `stdout`

```
(status <- system2("meld", "--version"))
## [1] 0
```

```
(ret <- system2("meld", "--version", stdout = TRUE, stderr = TRUE))
## [1] "meld 3.18.0"
```

**Case B**

Meld is not installed (mimicked using `me_ld`)

```
(status <- system2("me_ld", "--version"))
## Warning in system2("me_ld", "--version"): error in running command
## [1] 127
```

```
(ret <- system2("me_ld", "--version", stdout = TRUE, stderr = TRUE))
## Error in system2("me_ld", "--version", stdout = TRUE, stderr = TRUE): error in running command
```

**Case C**

Meld is not installed (mimicked using `--ver_sion`)

```
(status <- system2("meld", "--ver_sion"))
## [1] 2
```

```
(ret <- system2("meld", "--ver_sion", stdout = TRUE, stderr = TRUE))
## Warning in system2("meld", "--ver_sion", stdout = TRUE, stderr = TRUE):
## running command ''meld' --ver_sion 2>&1' had status 2
## [1] "Usage: "
## [2] "  meld                             Start with an empty window"
## [3] "  meld <file|folder>               Start a version control comparison"
## [4] "  meld <file> <file> [<file>]      Start a 2- or 3-way file comparison"
## [5] "  meld <folder> <folder> [<folder>] Start a 2- or 3-way folder comparison"
## [6] ""
## [7] "Error: no such option: --ver_sion"
## [8] ""
## attr(,"status")
## [1] 2
```

**sessionInfo()**

```
## R version 3.6.0 (2019-04-26)
## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: Ubuntu 18.04.2 LTS
##
## Matrix products: default
## BLAS:   /usr/lib/x86_64-linux-gnu/blas/libblas.so.3.7.1
## LAPACK: /usr/lib/x86_64-linux-gnu/lapack/liblapack.so.3.7.1
##
## locale:
##  [1] LC_CTYPE=en_US.UTF-8       LC_NUMERIC=C
##  [3] LC_TIME=de_CH.UTF-8        LC_COLLATE=en_US.UTF-8
##  [5] LC_MONETARY=de_CH.UTF-8    LC_MESSAGES=en_US.UTF-8
##  [7] LC_PAPER=de_CH.UTF-8       LC_NAME=C
##  [9] LC_ADDRESS=C               LC_TELEPHONE=C
## [11] LC_MEASUREMENT=de_CH.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
## loaded via a namespace (and not attached):
##  [1] compiler_3.6.0  magrittr_1.5    tools_3.6.0     htmltools_0.3.6
##  [5] yaml_2.2.0      Rcpp_1.0.1      stringi_1.4.3   rmarkdown_1.12
##  [9] knitr_1.22      stringr_1.4.0   xfun_0.6        digest_0.6.18
## [13] evaluate_0.13
```