



CONFIDENTIAL

PDF Document with Cover Page

2020-10-22

First Last
Metrum Research Group
Tunxis Road, Suite 112
Tariffville, CT 06081

Contents

1	NOTE	2
2	Load packages	2
3	Plots	3
4	Table - tabular	4
5	Table - longtable	5
6	Table - summary	6

1 NOTE

This notebook provides a technical record of results generated from an R script. Any final version of this script will have been QC'd to ensure the quality of the underlying R code, but the material has not been organized or curated for clarity of communication. For an organized and curated summary of these analyses, MetrumRG recommends a formal communication deliverable such as a full report, brief communication, or slide deck.

2 Load packages

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.0 --
```

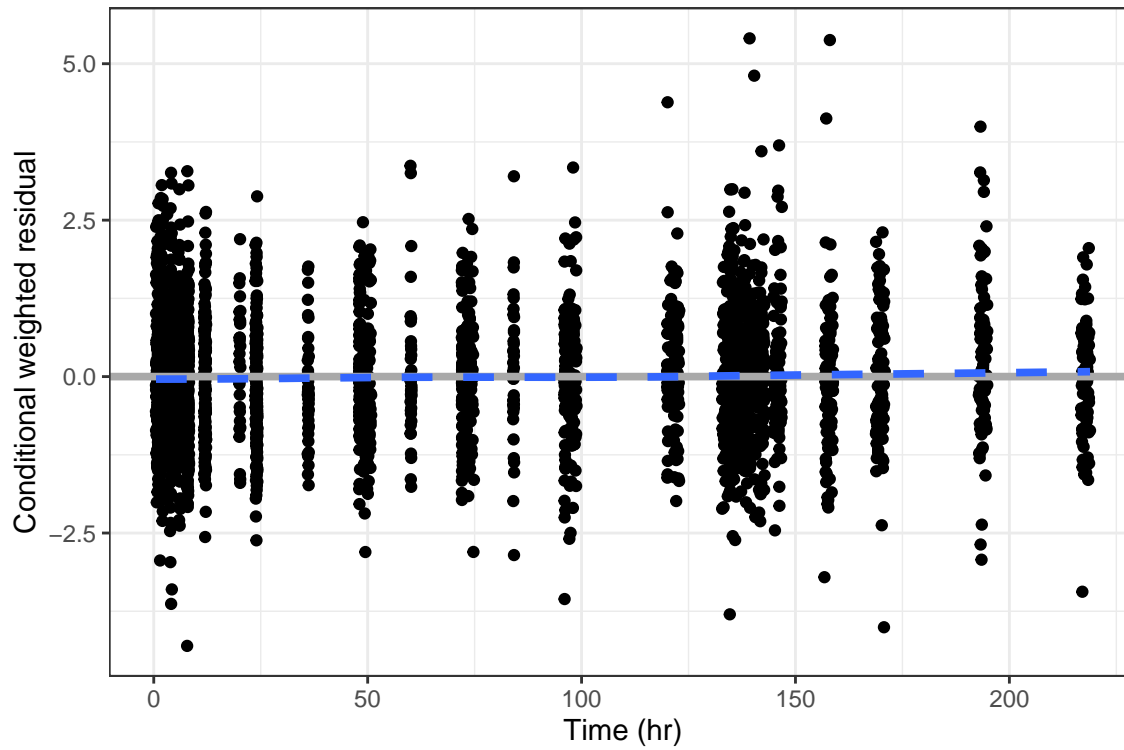
```
## v ggplot2 3.3.2    v purrr   0.3.4
## v tibble  3.0.3    v dplyr   1.0.1
## v tidyr   1.1.1    v stringr 1.4.0
## v readr   1.3.1    v forcats 0.5.0
```

```
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(pmtables)
library(pmplots)
library(knitr)
```

3 Plots

```
data <- pmpLOTS_data_obs()  
cwres_time(data)
```



4 Table - tabular

```
data <- stdata()

stable(data, r_file = "mrg_rmarkdown.Rmd") %>%
  pt_wrap()
```

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

Source code: mrg_rmarkdown.Rmd

5 Table - longtable

```
data <- stdata()

stable_long(
  data,
  r_file = "mrg_rmarkdown.Rmd",
  lt_cap_text = "A long table"
) %>% pt_wrap()
```

Table 1: A long table

STUDY	DOSE	FORM	N	WT	CRCL	AGE	ALB	SCR
12-DEMO-001	100 mg	tablet	80	71.4	104	33.7	4.20	1.06
12-DEMO-001	150 mg	capsule	16	89.4	122	24.4	4.63	1.12
12-DEMO-001	150 mg	tablet	48	81.7	104	34.4	3.83	0.910
12-DEMO-001	150 mg	troche	16	94.0	93.2	27.4	4.94	1.25
12-DEMO-001	200 mg	tablet	64	67.9	100	27.5	4.25	1.10
12-DEMO-001	200 mg	troche	16	76.6	99.2	22.8	4.54	1.15
12-DEMO-002	100 mg	capsule	36	61.3	113	38.3	4.04	1.28
12-DEMO-002	100 mg	tablet	324	77.6	106	29.9	4.31	0.981
12-DEMO-002	50 mg	capsule	36	74.1	112	37.1	4.44	0.900
12-DEMO-002	50 mg	tablet	324	71.2	106	34.1	4.63	0.868
12-DEMO-002	75 mg	capsule	36	72.4	105	38.2	3.89	0.900
12-DEMO-002	75 mg	tablet	288	71.6	98.9	34.2	4.49	0.991
12-DEMO-002	75 mg	troche	36	73.6	103	49.2	4.52	0.930

Source code: mrg_rmarkdown.Rmd

6 Table - summary

```
out <- pt_cont_long(pmt_first, cols = "WT,CRCL,ALB", panel = c(Study = "STUDYf"))
stable(out, r_file = "mrg_rmarkdown.Rmd") %>% st_wrap()
```

Variable	n	Mean	Median	SD	Min / Max
Study 12-DEMO-001					
WT	29	72.2	70.0	14.3	50.9 / 97.2
CRCL	29	106	104	9.46	93.2 / 126
ALB	29	4.28	4.08	0.474	3.56 / 5.15
Study 12-DEMO-002					
WT	49	72.4	72.1	11.5	51.5 / 96.6
CRCL	49	103	103	8.35	90.6 / 121
ALB	50	4.47	4.43	0.468	3.65 / 5.39
Study 11-DEMO-005					
WT	39	68.9	65.4	14.5	43.6 / 92.8
CRCL	39	58.8	56.2	29.7	15.4 / 103
ALB	39	4.41	4.44	0.537	3.51 / 5.39
Study 13-DEMO-001					
WT	40	69.4	68.1	11.6	50.7 / 96.6
CRCL	37	102	102	8.19	90.7 / 119
ALB	38	3.58	3.65	1.15	1.28 / 5.38
All data					
WT	157	70.7	70.0	12.8	43.6 / 97.2
CRCL	154	92.1	98.8	25.5	15.4 / 126
ALB	156	4.20	4.32	0.793	1.28 / 5.39

n: number of records summarized
SD: standard deviation
Min: minimum; Max: maximum
Source code: mrg_rmarkdown.Rmd