Theophylline PK

First Last

2024-02-28

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The aim of this script is to show how to render R script into Quarto document. This is based on `knitr::spin` function More info can be found spin

```r
library(ggplot2)
```

Exploring the data

See Figure 1 for concentration-time profiles

```r
ggplot(Theoph, aes(Time, conc, group=Subject)) +
  geom_line() +
  geom_point(color="peru") +
  theme_bw(base_size = 13) +
  labs(x = "Time (hr)", y = "Concentration (mg/L)")
```
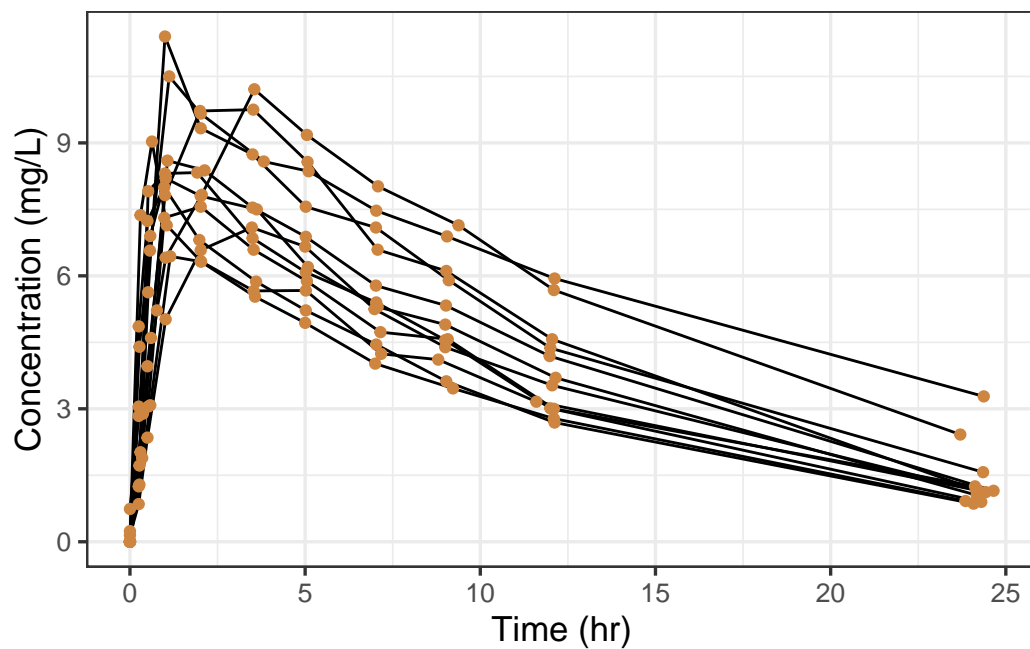
Figure 1: Concentration-time profile

One can also create a nice table as Table 1

```
Theoph |>
  dplyr::slice(1:5) |>
  knitr::kable()
```

Table 1: First 5 rows in Theophylline dataset

Subject	Wt	Dose	Time	conc
1	79.6	4.02	0.00	0.74
1	79.6	4.02	0.25	2.84
1	79.6	4.02	0.57	6.57
1	79.6	4.02	1.12	10.50
1	79.6	4.02	2.02	9.66

We can use inline code `3.1415927` as presented here