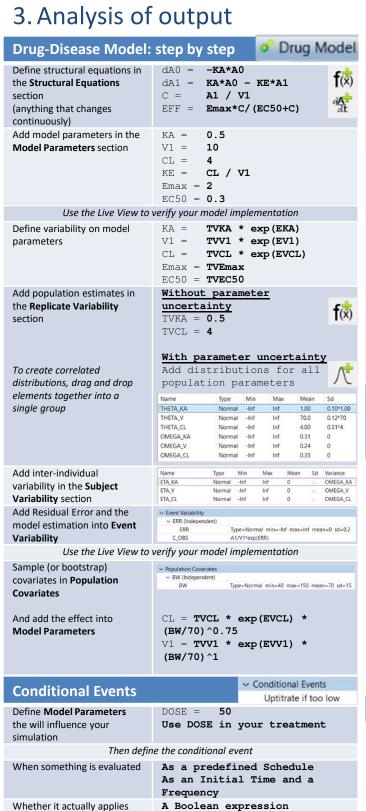
Simulo Quick Reference

(October 2019)



Simulation Overview

- 1. Drug-Disease model
- 2. Clinical Trial



CONC < 2.5

The effect

DOSE <- DOSE + 10



Analysis of output

library(plyr)

setwd("C:/Users/MyName/Desktop/simulationresults/MySimulation")
files <- list.files(pattern="*.csv", recursive=T,
full.names=T)
db <- adply(files, 1, read.csv, .id="replicate")
db\$file <- files[db\$replicate]

library(ggplot2)
db <- subset(db, eventType=="OBS")
ggplot(db, aes(x=t, y=CONC, col=factor(sequence))) +
geom_line(aes(group=subject)) + stat_summary(fun.data =
"mean_cl_boot")</pre>

Tips and tricks

Use the Live View to understand the model behaviour, before implementing the Clinical Trial

Contact us at <u>life.exprimo.simulo@sgs.com</u> with any questions or comments.

Visit <u>www.exprimo.com/simulo</u> for continued updates, video tutorials and case examples