

NonCompart, Edison Science App Manual

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Introduction

이것은 NonCompart, Edison Science App Manual 메뉴얼입니다. 이 프로그램은 Github에 소스코드가 올려져 있고 공개 프로그램으로 관리됩니다. 감사합니다.

- NonCompart Edison Science App
- 개발환경 : R 3.3.2

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NonCompart Edison

- NonCompart Edison https://www.edison.re.kr/web/cmed/run_simulation
- NonCompart Edison is open to everyone. We are happy to take your input. Please fork the repo, modify the codes and submit a pull request. <https://github.com/shanmdphd/NonCompartEdison>

Installation of NonCompart R Package

```
install.packages("NonCompart")  
library(NonCompart)  
NCA(Theoph, "Subject", "Time", "conc", Dose=320)
```

Help

- NonCompart package help <https://cran.r-project.org/web/packages/NonCompart/NonCompart.pdf>

Dataset requirement

- Undetectable concentrations for first time points should be entered as 0; for last points - as NA (missed values).

Demo datasets

- BE https://statist.shinyapps.io/bioeq_en/
- Theoph: Oral 320 mg (N=12) <http://stat.ethz.ch/R-manual/R-devel/library/datasets/html/Theoph.html>
- Indometh: IV 25 mg (N=6) <http://stat.ethz.ch/R-manual/R-devel/library/datasets/html/Indometh.html>
- sd_oral_richpk: Oral 5000mg (N=50) <https://github.com/dpastoor/PKPDdatasets>
- sd_iv_rich_pkpd: IV diverse dosing (N=60) <https://github.com/dpastoor/PKPDdatasets>

CDISC materials

- CDISC SDTM Implementation Guide 3.2 PDF
- CDISC Terminology PDF

Reference

- Rowland M, Tozer TN. Clinical Pharmacokinetics and Pharmacodynamics - Concepts and Applications. 4e. 2011
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R Packages

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