

# Manual for fit4NM 1.0

## 1. Introduction

fit4NM is the software for the exploratory analysis for pharmacometrics. It helps NONMEM users check their data, fit their model using NONMEM, and diagnosis their fitted model. This software is build on R and provides a user-friendly graphical interface for the graphics and statistical analysis including running NONMEM. Therefore, naïve users can use fit4NM to check their data, fit their model using NONMEM, and diagnosis their model by clicking mouse button.

## 2. How to install

fit4NM is built on the open-source statistical software, R, and provides a user-friendly interface. To use fit4NM package, you need to install

- G77
  - G77 is a free Fortran compiler. This compiler is used for NONMEM
- NONMEM
  - The software for nonlinear mixed effect model. This software is designed especially for Pharmacometrician.
- GTK+
  - The premier open-source graphical user interface toolkit
- R
  - A free software environment for statistical computing and graphics
- R packages install
  - tkrplot
  - gWidgets
  - RGtk2
  - gWidgetsRGtk2
  - fit4NM

## 3. How to use fit4NM

- Start R
- Load the fit4NM library

```
>library(fit4NM)
```
- Open fit4NM function

```
>fit4NM()
```