

Package compilation

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02/02/2021

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Compilation

- structure
 - **tests** : removed all other folders and files except testthat from the package otherwise warnings about RDS files
 - **data** : removed remifentanil example from data folder
- **roxygen** documentation
 - warnings for ggplot (no visible global function definition)
 - added import command for pnorm (found in distribution plot) and median (found nowhere, so suspect it's the name median used in the ggplot plots, but added it all the same)
- **package size**: still 5.9 Mb so much too large for CRAN
 - the 3 simulated data files for warfarin and viral load data are all around 5Mb, consider making them available only on bookdown/website
- necessary files
 - added a DESCRIPTION file
 - added a CHANGES file
- for compilation:
 - removed NAMESPACE
 - removed man pages
- Compilation steps from Build menu
 - Document => create NAMESPACE, DESCRIPTION (update collate directive), create man pages
 - Check => update documentation, create NAMESPACE

```
setwd(file.path(workDir, "npde"))
system("rm man/*")
roxygenise()
```

```
## Loading npde
## Writing NAMESPACE
## Writing NAMESPACE
## Writing NpdeSimData-class.Rd
## Writing extract-methods.Rd
## Writing NpdeData-class.Rd
## Writing read.Rd
## Writing show.Rd
## Writing npdeData.Rd
## Writing npdeSimData.Rd
## Writing print.NpdeData.Rd
## Writing showall.Rd
## Writing summary.NpdeData.Rd
```

```
## Writing subset.NpdeData.Rd
## Writing NpdeRes-class.Rd
## Writing kurtosis.Rd
## Writing skewness.Rd
## Writing gof.test.Rd
## Writing NpdeObject-class.Rd
## Writing dist.pred.sim.Rd
## Writing computenpde.Rd
## Writing npde.decorr.method.Rd
## Writing computepd.Rd
## Writing compute.ploq.Rd
## Writing autonpde.Rd
## Writing pdemenu.Rd
## Writing npde.main.Rd
## Writing npde.save.Rd
## Writing npde.graphs.Rd
## Writing npde-package.Rd
## Writing theopp.Rd
## Writing simtheopp.Rd
## Writing warfarin.Rd
## Writing virload.Rd
## Writing npde.cens.method.Rd
## Writing npdeControl.Rd
## Writing set.plotoptions.Rd
## Writing replace.plotoptions.Rd
## Writing npde.binning.Rd
## Writing npde.plot.covariate.Rd
## Writing npde.plot.dist.Rd
## Writing npde.plot.loq.Rd
## Writing plot.NpdeData.Rd
## Writing plot.NpdeRes.Rd
## Writing plot.NpdeObject.Rd
## Writing npde.plot.select.Rd
## Writing default.npde.plots.Rd
## Writing npde.plot.covariates.Rd
## Writing npde.plot.npde.Rd
## Writing npde.plot.data.Rd
## Writing npde.plot.default.Rd
## Writing npde.plot.scatterplot.Rd
```

```
setwd(workDir)
system("R CMD build npde")
system("R CMD check --as-cran npde_3.0.tar.gz")
```

Après correction, la compilation du package passe sans erreurs et avec 2 notes restantes.

- **notes**
 - package size too large (recommended size less than 5Mb): reduce nb of simulations for warfarin ?
 - ggplot variables (rien à faire pour ça)
- **warnings** corriges
 - jeux de données non documentés: removed remifentanil, added virload documentation (used to be a specific man page, reintegrated them into roxygen format in npde.R like warfarin)
 - duplicated alias: fixed !

Warnings

- ggplot warnings

Undefined global functions or variables:

```
.x X2.5. X50. X97.5. Y0.025 Y0.025.1 Y0.5 Y0.5.1 Y0.975 Y0.975.1 aes
annotation_logticks category coord_cartesian coord_flip element_blank
element_line element_rect element_text expand_limits facet_wrap
geom_bar geom_boxplot geom_crossbar geom_line geom_point geom_ribbon
ggplot ggtitle grid.arrange group grp guides labs lower name obs.inf
obs.median obs.sup pinf.lower pinf.median pinf.upper pmid.lower
pmid.median pmid.upper psup.lower psup.median psup.upper
scale_fill_manual scale_x_continuous scale_x_log10 scale_y_continuous
scale_y_log10 theme upper value x x1 x2 x_area_0.25 x_area_0.5
x_area_0.975 xcent xlab y y1 y2 y_area_0.25 y_area_0.5 y_area_0.975
ylab
```

- Warnings in first compilation (solved)

```
W checking Rd metadata ...
Rd files with duplicated alias 'aux.npdeplot.computeapi':
'npde.plot.default.Rd' 'npde.plot.scatterplot.Rd'
Rd files with duplicated alias 'compute.bands':
'npde.plot.default.Rd' 'npde.plot.scatterplot.Rd'
Rd files with duplicated alias 'compute.bands.true':
'npde.plot.default.Rd' 'npde.plot.scatterplot.Rd'
Rd files with duplicated alias 'npde':
'npde-package.Rd' 'npde.Rd'
checking Rd line widths ...
checking Rd cross-references ...
W checking for missing documentation entries (346ms)
Undocumented code objects:
'remifent' 'simremifent' 'simremifent_base' 'simvirload' 'virload'
'virload20' 'virload50' 'virloadMDV20'
Undocumented data sets:
'remifent' 'simremifent' 'simremifent_base' 'simvirload' 'virload'
'virload20' 'virload50' 'virloadMDV20'
All user-level objects in a package should have documentation entries.
See chapter 'Writing R documentation files' in the 'Writing R
Extensions' manual.
```

Bugs to sort

plot.NpdeRes (dans plotNpde-methods.R)

- **Romain TODO:** la fonction devrait prendre un objet NpdeRes et pas un objet NpdeObject (NpdeRes n'a pas d'element data, c'est juste le slot res d'un element NpdeObject !!!)
 - il faut lui donner des defaults pour xlab, ylab (et la possibilite de passer outre en passant des arguments en ...)
 - normalement il doit y avoir l'equivalent de xobs dans le dataframe res de l'objet
 - pas sure qu'on ait not.miss mais dans ce cas le reconstruire (a tester +++)
 - il n'y a pas de liste plot.opt donc prendre des defaults dans set.default.options()
- faire un testthat pour verifier que cette fonction marche par elle-meme (use testthat for class to generate an object npdeData and plot it)

`plot.NpdeData` (dans `plotNpde-methods.R`)

- **Romain TODO:** faire un `testthat` pour vérifier que la fonction et les options passent (use `testthat` for class to generate an object `npdeData` and plot it)