

Package ‘NethackLogfiles’

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Type Package

Title Read Nethack Logfiles

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Maintainer Enrico Schumann <es@enricoschumann.net>

Description Read logfiles of the most-ancient game of 'Nethack'.
The package provides functions for parsing logfiles and xlogfiles.
Abbreviations in those files (such as character class and alignment)
can be expanded.

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URL <https://enricoschumann.net/NethackLogfiles/>,
<https://github.com/enricoschumann/NethackLogfiles>

NeedsCompilation no

Author Enrico Schumann [aut, cre] (<<https://orcid.org/0000-0001-7601-6576>>)

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Description

Read logfiles of the ancient game of Nethack.

Usage

```
read_logfile (file, version = NULL, expand.abbrevs = TRUE, verbose = TRUE)
read_xlogfile(file, version = NULL, expand.abbrevs = TRUE, verbose = TRUE, sep = "\t")
```

Arguments

file	character; the logfile (or record file)
version	character
expand.abbrevs	logical; should abbreviated rolenames etc. be expanded? Default is TRUE.
verbose	logical: write messages?
sep	character: the field separator

Details

Currently only version 3.4.3 and newer are supported (i.e. regularly tested). Logfiles for version 3.1.0 should also work.

Value

A `data.frame`.

version	Nethack version
name	player name
score	score
dun.num	
dun.level	dungeon level when killed
dun.level.max	deepest dungeon level visited
hp	hitpoints
hp.max	maximum hitpoints
ndeaths	number of deaths
death.date	Date ; end of game
birth.date	Date ; start of game
uid	uid
role	role
race	race
gender	gender: male or female
alignment	alignment
cause	cause of death
while	additional comment

Author(s)

Enrico Schumann

References

<http://www.saunalahti.fi/~juklahta/nethack.html>
<http://nethackwiki.com/wiki/Logfile>
<https://metacpan.org/source/SARTAK/NetHack-Logfile-1.00/lib/NetHack/Logfile/Entry/33.pm>
http://nethack.wikia.com/wiki/NetHack_3.1.0/topten.c
https://nethackwiki.com/wiki/Source:NetHack_3.1.0/topten.c
<http://alt.org/nethack/>
<http://ftp.sunet.se/pub/games/nethack/General/Source/Utils/reclist.c>
<https://github.com/NetHack/NetHack>
<https://github.com/enricoschumann/NethackLogfiles>
<https://scoreboard.xd.cm/about.html>

Examples

```
## Not run:
library("NethackLogfiles")
nh <- read_logfile("/var/games/nethack/logfile")
nh <- read_xlogfile("/var/games/nethack/xlogfile")
table(nh$role)
boxplot(nh$score ~ nh$role)
boxplot(log(nh$score) ~ nh$role)

plot(nh$death.date, nh$score, type = "h") ## score as a time-series
boxplot(nh$score ~ format(nh$death.date, "

nh <- read_xlogfile("/var/games/nethack/xlogfile",
                    expand.abbrevs = FALSE)
boxplot(nh$dun.level.max ~ nh$role)

## End(Not run)
```

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