

Package ‘poissonreg’

April 20, 2026

Title Model Wrappers for Poisson Regression

Version 1.0.2

Description Bindings for Poisson regression models for use with the 'parsnip' package. Models include simple generalized linear models, Bayesian models, and zero-inflated Poisson models (Zeileis, Kleiber, and Jackman (2008) <[doi:10.18637/jss.v027.i08](https://doi.org/10.18637/jss.v027.i08)>).

License MIT + file LICENSE

URL <https://github.com/tidymodels/poissonreg>,
<https://poissonreg.tidymodels.org/>

BugReports <https://github.com/tidymodels/poissonreg/issues>

Depends parsnip (>= 0.2.0), R (>= 4.1)

Imports dplyr, generics, purrr, rlang, stats, tibble, tidyr

Suggests covr, glmnet, pscl, rstanarm, spelling, testthat (>= 3.0.0)

Config/Needs/website tidymodels, tidyverse/tidytemplate

Config/testthat/edition 3

Config/usethis/last-upkeep 2025-04-24

Encoding UTF-8

Language en-US

LazyData true

RoxygenNote 7.3.3

NeedsCompilation no

Author Max Kuhn [aut] (ORCID: <<https://orcid.org/0000-0003-2402-136X>>),
Hannah Frick [aut, cre] (ORCID:
<<https://orcid.org/0000-0002-6049-5258>>),
Posit Software, PBC [cph, fnd] (ROR: <<https://ror.org/03wc8by49>>)

Maintainer Hannah Frick <hannah@posit.co>

Repository CRAN

Date/Publication 2026-04-20 13:20:07 UTC

Contents

seniors	2
tidy_zip	2

Index	4
--------------	----------

seniors	<i>Alcohol, Cigarette, and Marijuana Use for High School Seniors</i>
---------	--

Description

Alcohol, Cigarette, and Marijuana Use for High School Seniors

Details

Data are from Table 7.3 of Agresti (2007). The first three columns make up data from a 3-way contingency table.

Value

seniors a tibble

Source

Agresti, A (2007). *An Introduction to Categorical Data Analysis*.

Examples

```
data(seniors)
str(seniors)
```

tidy_zip	<i>Turn zero-inflated model results into a tidy tibble</i>
----------	--

Description

Turn zero-inflated model results into a tidy tibble

Usage

```
## S3 method for class 'zeroinfl'
tidy(x, type = "count", ...)

## S3 method for class 'hurdle'
tidy(x, type = "count", ...)
```

Arguments

- x A hurdle or zeroinfl model object.
- type A character string for which model coefficients to return: "all", "count", or "zero".
- ... Not currently used.

Value

A tibble

Index

* **datasets**

seniors, [2](#)

seniors, [2](#)

tidy.hurdle(tidy_zip), [2](#)

tidy.zeroinfl(tidy_zip), [2](#)

tidy_zip, [2](#)