

# Package ‘poissonreg’

June 15, 2022

**Title** Model Wrappers for Poisson Regression

**Version** 1.0.0

**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)>).

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

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

**Depends** parsnip (>= 0.2.0), R (>= 3.4)

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

**Suggests** covr, pscl, spelling, testthat (>= 3.0.0)

**Config/Needs/website** tidyverse/tidytemplate

**Config/testthat/edition** 3

**Encoding** UTF-8

**Language** en-US

**LazyData** true

**RoxygenNote** 7.1.2

**NeedsCompilation** no

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**Repository** CRAN

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seniors	<i>Alcohol, Cigarette, and Marijuana Use for High School Seniors</i>
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**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)
```

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

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