

Package ‘InjurySeverityScore’

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Title Translate ICD-9 into Injury Severity Score

Version 0.0.0.2

Description Calculate the injury severity score (ISS) based on the dictionary in 'ICDPIC' from <https://ideas.repec.org/c/boc/bocode/s457028.html>. The original code was written in 'STATA 11'. The original 'STATA' code was written by David Clark, Turner Osler and David Hahn. I implement the same logic for easier access. Ref: David E. Clark & Turner M. Osler & David R. Hahn, 2009. ``ICDPIC: Stata module to provide methods for translating International Classification of Diseases (Ninth Revision) diagnosis codes into standard injury categories and/or scores," Statistical Software Components S457028, Boston College Department of Economics, revised 29 Oct 2010.

Depends R (>= 3.3.0)

License GPL-3

URL <https://github.com/dajuntian/InjurySeverityScore>

BugReports <https://github.com/dajuntian/InjurySeverityScore/issues>

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

Imports dplyr, tidyr, rlang

NeedsCompilation no

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cited from 'ICDPIC')

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Repository CRAN

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injury_score	<i>Calculate injury severity score from ICD-9</i>
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Description

Calculate injury severity score from ICD-9

Usage

```
injury_score(indata, id_var, dx_var, has_dot = TRUE, tall = TRUE)
```

Arguments

indata	A data frame
id_var	A variable for patient id
dx_var	A character variable for dx code
has_dot	A logical variable indicates whether ICD code has dot
tall	A logical variable incates data is tall (T) or wide (F)

Value

A data frame contains iss score

See Also

<https://github.com/dajuntian/InjurySeverityScore/blob/master/README.md>

Examples

```
pat_id <- c(2,2,2,2,2,1,2,1,2,1,2,1,1,1,1,1,1,1,1,1,1,1,1)
icd9 <- c('874.2', '874.8', '900.81', '900.82', '900.89', '805.06',
          'E966', '805.07', 'V14.0', '807.02', 'V70.4', '821.01', '823.20',
          '860.0', '861.01', '861.21', '861.22', '863.84', '864.04', '865.04',
          '865.09', '866.02', '868.04', '958.4')
sample_data <- data.frame(subj = pat_id, code = icd9, stringsAsFactors = FALSE)
injury_score(sample_data, subj, code)

data2 <- data.frame(pid = c(1,2), diag1 = c('900.89', '805.06'),
                   diag2 = c('863.84', '865.04'))
injury_score(data2, pid, diag, tall = FALSE)
```

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