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 'ICD-PIC' 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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R topics documented:

  injury_score ............................................................ 2
Index

injury_score  Calculate injury severity score from ICD-9

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 indicates 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

```r
pat_id <- c(2,2,2,2,2,1,2,1,2,1,1,1,1,1,1,1,1,1,1,1,1)
icd9 <- c('874.2', '874.8', '900.81', '900.82', '900.89', '805.06',
          '805.07', '807.02', '807.04', '821.01', '823.20',
          '860.8', '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)
```
Index

injury_score, 2