Package ‘InjurySeverityScore’

October 12, 2022

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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        David E. Clark & Turner M. Osler & David R. Hahn [dtc] (map from ICD-9, cited from 'ICDPIC')
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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
pat_id <- c(2,2,2,2,1,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1)
‘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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