

# Package ‘pisaRT’

July 1, 2020

**Type** Package

**Title** Small Example Response and Response Time Data from PISA 2015

**Version** 1.0.0

**Description** Scored responses and responses times from the Canadian subsample of the PISA 2015 assessment, accessible as the "Cognitive Item Data File" by OECD (2016) <<https://www.oecd.org/pisa/data/2015database/>>.

**Depends** R (>= 2.10)

**License** CC BY 4.0

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.0

**Suggests** testthat

**NeedsCompilation** no

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**Repository** CRAN

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pisal

*PISA Example Responses and Response Times Data (long format)*

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### Description

A small example data set from the Canadian sample of the PISA 2015 assessment. Contains responses and response times of a single math booklet. This data set is in the long format, with each row containing the scored response and response time of a person on a single item. For further explanations see [pisaRT](#).

### Usage

pisal

### Format

A data.frame with 5500 rows and 4 variables:

**ID** Person ID variable

**item** Item number

**y** Scored responses

**RT** Response time in seconds

### Source

<https://www.oecd.org/pisa/data/2015database/>

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pisaRT

*pisaRT: Example PISA 2015 data set with responses and response times*

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### Description

The pisaRT package contains a small example data set of the Canadian PISA 2015 assessment. The data set consists of scored responses and raw response times on item level of the first booklet in the math domain (M01). Polytomous items have been dichotomized by scoring not fully correct responses as incorrect. One item has been removed due to problematic fit and 500 persons have been randomly selected for this subsample. The data set is available in the long ([pisal](#)) and in the wide format ([pisaW](#)).

### License and Origin

The original data can be retrieved as the "Cognitive Item Data File" (OECD, 2016) from <https://www.oecd.org/pisa/data/2015database/>. The data is available under the CC-BY-SA license.

**Purpose**

There exists a wide variety of models for response times of cognitive data. However, no example data set is readily available in R packages. `pisaRT` provides a small example data set on which exemplary analysis can be run.

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`pisaW`*PISA Example Responses and Response Times Data (wide format)*

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**Description**

A small example data set from the Canadian sample of the PISA 2015 assessment. Contains responses and response times of a single math booklet. This data set is in the wide format, with each row containing the scored responses and response times of a person on all booklet items. For further explanations see `pisaRT`.

**Usage**`pisaW`**Format**

A `data.frame` with 500 rows and 23 variables:

**ID** Person ID variable

**y\_x** Scored responses on item x

**RT\_x** Response time in seconds on item x

**Source**

<https://www.oecd.org/pisa/data/2015database/>

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