

# R documentation

of 'man/p\_values.Rd'

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p\_values

*Extract P-values from a Model Fit*

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## Description

Extract p-values associated with parameter estimates or test statistics from a fitted model object. This is part of a family of functions for extracting statistical measures.

## Usage

```
p_values(x, ...)  
  
## S3 method for class 'fmri_lm'  
p_values(x, type = c("estimates", "contrasts"), ...)
```

## Arguments

x	The fitted model object
...	Additional arguments passed to methods
type	Character string specifying the type of p-values to extract. Options typically include "estimates" for parameter estimates and "contrasts" for contrast tests. Defaults to "estimates" in most methods.

## Value

A tibble or matrix containing p-values

## See Also

Other statistical\_measures: [standard\\_error\(\)](#), [stats\(\)](#)

**Examples**

```
# Create example data
event_data <- data.frame(
  condition = factor(c("A", "B", "A", "B")),
  onsets = c(1, 10, 20, 30),
  run = c(1, 1, 1, 1)
)

# Create sampling frame and dataset
sframe <- sampling_frame(blocklens = 50, TR = 2)
dset <- fmridataset::matrix_dataset(
  matrix(rnorm(50 * 2), 50, 2),
  TR = 2,
  run_length = 50,
  event_table = event_data
)

# Fit model
fit <- fmri_lm(
  onsets ~ hrf(condition),
  block = ~run,
  dataset = dset
)

# Extract p-values
pvals <- p_values(fit)
```