

Package ‘fastrmodels’

July 22, 2025

Title Models for the 'nflfastR' Package

Version 2.0.0

Description A data package that hosts all models for the 'nflfastR' package.

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URL <https://github.com/nflverse/fastrmodels>

BugReports <https://github.com/nflverse/fastrmodels/issues>

Depends R (>= 4.1.0)

Imports xgboost (>= 1.1)

Encoding UTF-8

LazyData true

LazyDataCompression xz

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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`cp_model`*nflfastR Completion Probability Model*

Description

nflfastR Completion Probability Model

Usage

`cp_model`

Format

A raw vector representation of a XGBoost model

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

`ep_model`*nflfastR Expected Points Model*

Description

nflfastR Expected Points Model

Usage

`ep_model`

Format

A raw vector representation of a XGBoost model

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

fg_model	<i>nflfastR Field Goal Model</i>
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Description

nflfastR Field Goal Model

Usage

fg_model

Format

A generalized additive model (GAM)

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

wp_model	<i>nflfastR Win Probability Model</i>
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Description

nflfastR Win Probability Model

Usage

wp_model

Format

A raw vector representation of a XGBoost model

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

wp_model_spread	<i>nflfastR Win Probability Model (including Spread)</i>
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Description

nflfastR Win Probability Model (including Spread)

Usage

wp_model_spread

Format

A raw vector representation of a XGBoost model

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

xpass_model	<i>nflfastR Expected Pass Model</i>
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Description

nflfastR Expected Pass Model

Usage

xpass_model

Format

A raw vector representation of a XGBoost model

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

xyac_model	<i>nflfastR Expected Yards after Catch Model</i>
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Description

nflfastR Expected Yards after Catch Model

Usage

xyac_model

Format

A raw vector representation of a XGBoost model

Source

See <https://opensourcefootball.com/posts/2020-09-28-nflfastr-ep-wp-and-cp-models/> for the code to build the model.

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