

Package ‘fastrmodels’

February 20, 2021

Title Models for the 'nffastR' Package

Version 1.0.2

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

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

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

Depends R (>= 3.5.0)

Imports xgboost (>= 1.1)

Encoding UTF-8

LazyData true

LazyDataCompression xz

RoxygenNote 7.1.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

cp_model	2
ep_model	2
fg_model	3
wp_model	3
wp_model_spread	4
xpass_model	4
xyac_model	5
Index	6

`cp_model`*nffastR Completion Probability Model*

Description

nffastR Completion Probability Model

Usage

```
cp_model
```

Format

A `xgb.Booster`

Source

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

`ep_model`*nffastR Expected Points Model*

Description

nffastR Expected Points Model

Usage

```
ep_model
```

Format

A `xgb.Booster`

Source

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

<code>fg_model</code>	<i>nffastR Field Goal Model</i>
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Description

nffastR Field Goal Model

Usage

`fg_model`

Format

A generalized additive model (GAM)

Source

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

<code>wp_model</code>	<i>nffastR Win Probability Model</i>
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Description

nffastR Win Probability Model

Usage

`wp_model`

Format

A `xgb.Booster`

Source

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

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

nffastR Win Probability Model (including Spread)

Usage

wp_model_spread

Format

A xgb.Booster

Source

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

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

nffastR Expected Pass Model

Usage

xpass_model

Format

A xgb.Booster

Source

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

xyac_model

nffastR Expected Yards after Catch Model

Description

nffastR Expected Yards after Catch Model

Usage

xyac_model

Format

A xgb.Booster

Source

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

Index

* datasets

cp_model, 2

ep_model, 2

fg_model, 3

wp_model, 3

wp_model_spread, 4

xpass_model, 4

xyac_model, 5

cp_model, 2

ep_model, 2

fg_model, 3

wp_model, 3

wp_model_spread, 4

xpass_model, 4

xyac_model, 5