Package 'fastrmodels'

May 15, 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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Contents

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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	*nflfastR Field Goal Model*

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	*nflfastR Win Probability Model*

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 | *nflfastR Win Probability Model (including Spread)* |

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 | *nflfastR Expected Pass Model* |

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	*nflfastR Expected Yards after Catch Model*

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.

Index