

# Package: fastrmodels (via r-universe)

December 2, 2024

**Title** Models for the 'nffastR' Package

**Version** 1.0.2.9004

**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 (>= 3.6.0)

**Imports** xgboost (>= 1.1)

**Encoding** UTF-8

**LazyData** true

**LazyDataCompression** xz

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**Config/pak/sysreqs** make

**Repository** <https://nflverse.r-universe.dev>

**RemoteUrl** <https://github.com/nflverse/fastrmodels>

**RemoteRef** HEAD

**RemoteSha** 9f2495fdb4943087ca663d96706eb5df7973aff4

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`cp_model`*nffastR Completion Probability Model*

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**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.

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fg_model	<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.

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wp_model	<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.

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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.

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xyac\_model

*nffastR Expected Yards after Catch Model*

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**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.

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