

# Package ‘usemodels’

September 22, 2020

**Title** Boilerplate Code for 'Tidymodels' Analyses

**Version** 0.0.1

**Description** Code snippets to fit models using the tidymodels framework can be easily created for a given data set.

**URL** <https://tidymodels.github.io/usemodels/>,  
<https://github.com/tidymodels/usemodels>

**BugReports** <https://github.com/tidymodels/usemodels/issues>

**License** MIT + file LICENSE

**Suggests** testthat, spelling, covr, palmerpenguins

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Language** en-US

**Imports** tune (>= 0.1.1), cli, recipes, rlang, purrr, dplyr, tidyr

**Config/testthat/edition** 3

**NeedsCompilation** no

**Author** Max Kuhn [aut, cre] (<<https://orcid.org/0000-0003-2402-136X>>),  
RStudio [cph]

**Maintainer** Max Kuhn <[max@rstudio.com](mailto:max@rstudio.com)>

**Repository** CRAN

**Date/Publication** 2020-09-22 09:30:03 UTC

## R topics documented:

use_glmnet	2
<b>Index</b>	<b>4</b>

**Description**

These functions make suggestions for code when using a few common models. They print out code to the console that could be considered minimal syntax for their respective techniques. Each creates a prototype recipe and workflow object that can be edited or updated as the data require.

**Usage**

```
use_glmnet(  
  formula,  
  data,  
  prefix = "glmnet",  
  verbose = FALSE,  
  tune = TRUE,  
  colors = TRUE  
)  
  
use_xgboost(  
  formula,  
  data,  
  prefix = "xgboost",  
  verbose = FALSE,  
  tune = TRUE,  
  colors = TRUE  
)  
  
use_kknn(  
  formula,  
  data,  
  prefix = "kknn",  
  verbose = FALSE,  
  tune = TRUE,  
  colors = TRUE  
)  
  
use_ranger(  
  formula,  
  data,  
  prefix = "ranger",  
  verbose = FALSE,  
  tune = TRUE,  
  colors = TRUE  
)
```

```
use_earth(  
  formula,  
  data,  
  prefix = "earth",  
  verbose = FALSE,  
  tune = TRUE,  
  colors = TRUE  
)
```

### Arguments

formula	A simple model formula with no in-line functions. This will be used to template the recipe object as well as determining which outcome and predictor columns will be used.
data	A data frame with the columns used in the analysis.
prefix	A single character string to use as a prefix for the resulting objects.
verbose	A single logical that determined whether comments are added to the printed code explaining why certain lines are used.
tune	A single logical that controls if code for model tuning should be printed.
colors	A single logical for coloring warnings and code snippets that require the users attention.

### Details

Based on the columns in data, certain recipe steps printed. For example, if a model requires that qualitative predictors be converted to numeric (say, using dummy variables) then an additional `step_dummy()` is added. Otherwise that recipe step is not included in the output.

The syntax is opinionated and should not be considered the exact answer for every data analysis. It has reasonable defaults.

### Value

Invisible NULL but code is printed to the console.

### Examples

```
library(palmerpenguins)  
data(penguins)  
use_glmnet(species ~ ., data = penguins)  
use_glmnet( body_mass_g ~ ., data = penguins, verbose = TRUE, prefix = "gunter")
```

# Index

`use_earth` (`use_glmnet`), [2](#)  
`use_glmnet`, [2](#)  
`use_kknn` (`use_glmnet`), [2](#)  
`use_ranger` (`use_glmnet`), [2](#)  
`use_xgboost` (`use_glmnet`), [2](#)