# Package: ensModelVis (via r-universe)

May 21, 2026

**Title** Visualisations for Model Ensembles

**Version** 0.2.0

**Description** Displays for model fits of multiple models and their ensembles. For classification models, the plots are heatmaps, for regression, scatterplots.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**Depends** R (>= 4.1.0)

**Imports** dplyr, forcats, ggplot2, rlang, tidyr

**URL** `https://github.com/domijan/ensModelVis`

**BugReports** `https://github.com/domijan/ensModelVis/issues`

**Suggests** discrim, glmnet, kernlab, knitr, MASS, nnet, ranger, rmarkdown, stacks, stringr, tidymodels

**VignetteBuilder** knitr

**Config/pak/sysreqs** libicu-dev

**Repository** https://domijan.r-universe.dev

**Date/Publication** 2026-01-14 22:55:11 UTC

**RemoteUrl** https://github.com/domijan/ensmodelvis

**RemoteRef** HEAD

**RemoteSha** 1e1171e5760e55107f0cce68e535710c14117ebf

## Contents

---

`plot_ensemble` *Draws a plot for model predictions of ensembles of models. For classification the plot is a heatmap, for regression, scatterplot.*

---

## Description

Draws a plot for model predictions of ensembles of models. For classification the plot is a heatmap, for regression, scatterplot.

## Usage

```
plot_ensemble(
  truth,
  tibble_pred,
  incorrect = FALSE,
  tibble_prob = NULL,
  order = NULL,
  facet = FALSE
)
```

## Arguments

| | |
|---|---|
| `truth` | The `y` variable. In regression this is `numeric` vector, in classification this is a `factor` vector. |
| `tibble_pred` | A `data.frame` of predictions. Each column corresponds to a candidate model. |
| `incorrect` | If `TRUE`, for observations that were correctly classified by all models, remove all but a single observation per class. Classification only. |
| `tibble_prob` | If not `NULL`, a `data.frame` with same column names as `tibble_pred`. Applies transparency based on the predicted probability of the predicted class. Classification only. |
| `order` | default ordering of columns in a heatmap (classification) or facets (regression) is by `accuracy` (classification) or `RMSE` (regression). Can submit any other ordering for heatmaps e.g. `AUC`, which should be a `data.frame` with same column names as `tibble_pred`. |
| `facet` | whether to facet the plots by model (regression only). |

## Value

a ggplot

## Examples

```
data(iris)
if (require("MASS")){
lda.model <- lda(Species~., data = iris)
lda.pred <- predict(lda.model)
```

```
}
if (require("ranger")){
ranger.model <- ranger(Species~., data = iris)
ranger.pred <- predict(ranger.model, iris)
}

library(ensModelVis)

plot_ensemble(iris$Species,
data.frame(LDA = lda.pred$class,
RF = ranger.pred$predictions))

plot_ensemble(iris$Species,
 data.frame(LDA = lda.pred$class,
  RF = ranger.pred$predictions),
  incorrect= TRUE)

if (require("ranger")){
ranger.model <- ranger(Species~., data = iris, probability = TRUE)
ranger.prob <- predict(ranger.model, iris)
}

plot_ensemble(iris$Species,
  data.frame(LDA = lda.pred$class,
   RF = ranger.pred$predictions),
   tibble_prob = data.frame(LDA = apply(lda.pred$posterior, 1, max),
   RF = apply(ranger.prob$predictions, 1, max)))
```

# Index