modelDown

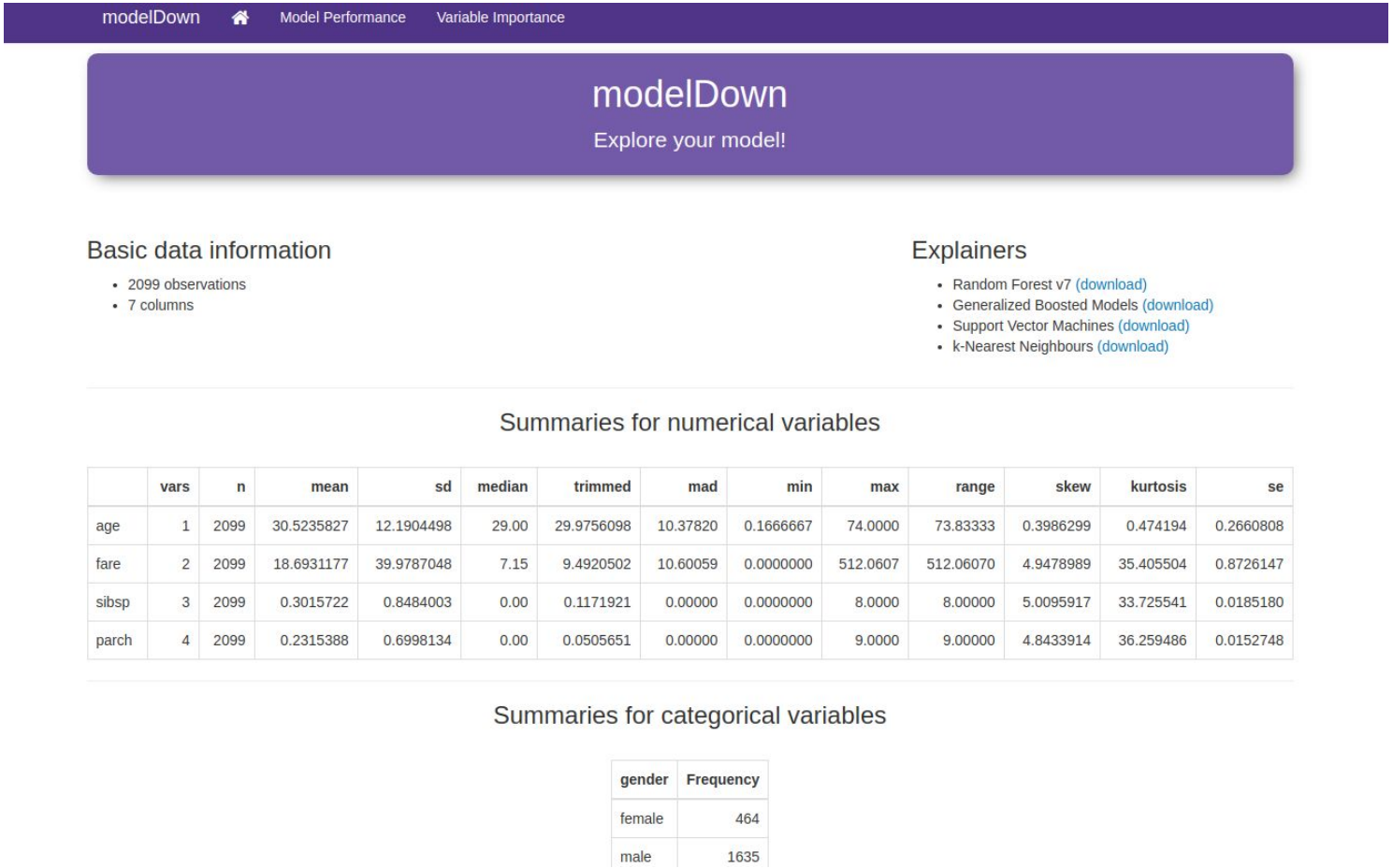
Generate a website with HTML summaries for predictive models

Simplicity - one function to rule them (explainers) all!

```
modelDown(..., modules = c("auditor", "drifter", "model_performance",
  "variable_importance", "variable_response"), output_folder = "output",
  repository_name = "repository", should_open_website = TRUE)
```

...	one or more explainers created with `DALEX::explain()` function. Pair of explainer could be provided to check drift of models
modules	modules that should be included in the website
output_folder	folder where the website will be saved
repository_name	name of local archivist repository that will be created
should_open_website	should generated website be automatically opened in default browser

Basic summary of data



modelDown | Model Performance | Variable Importance

modelDown

Explore your model!

Basic data information

- 2099 observations
- 7 columns

Explainers

- Random Forest v7 (download)
- Generalized Boosted Models (download)
- Support Vector Machines (download)
- k-Nearest Neighbours (download)

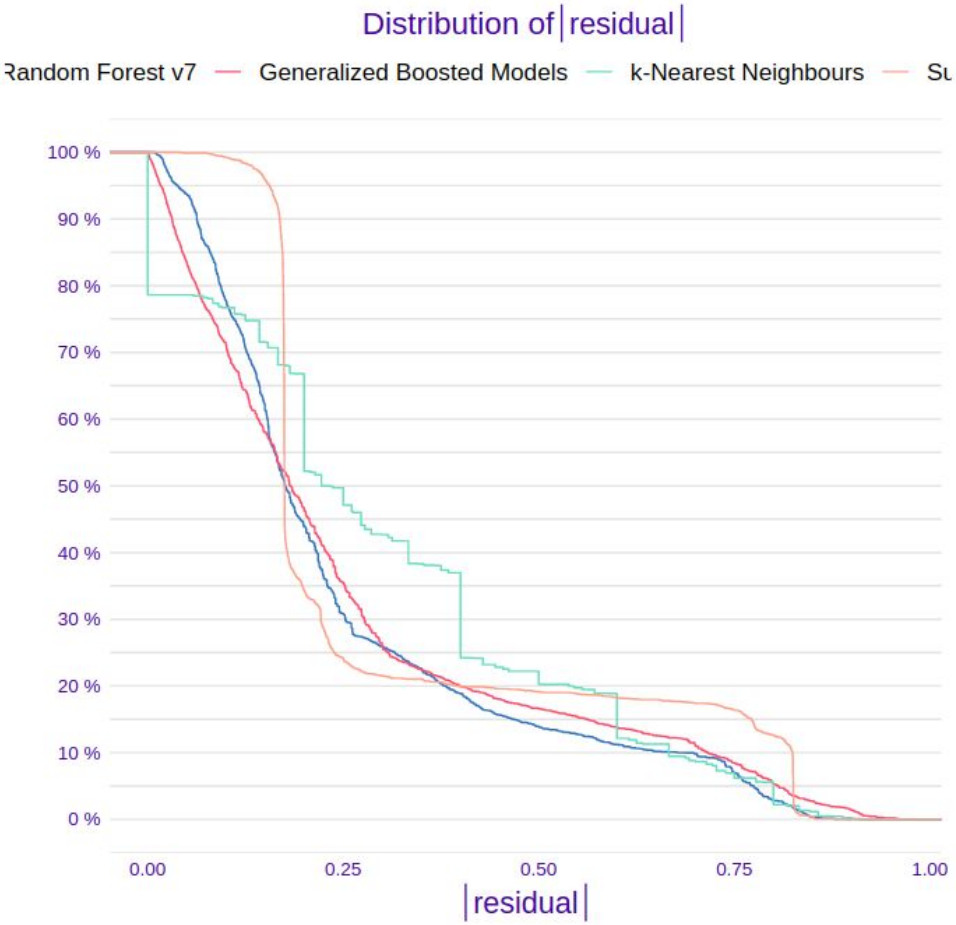
Summaries for numerical variables

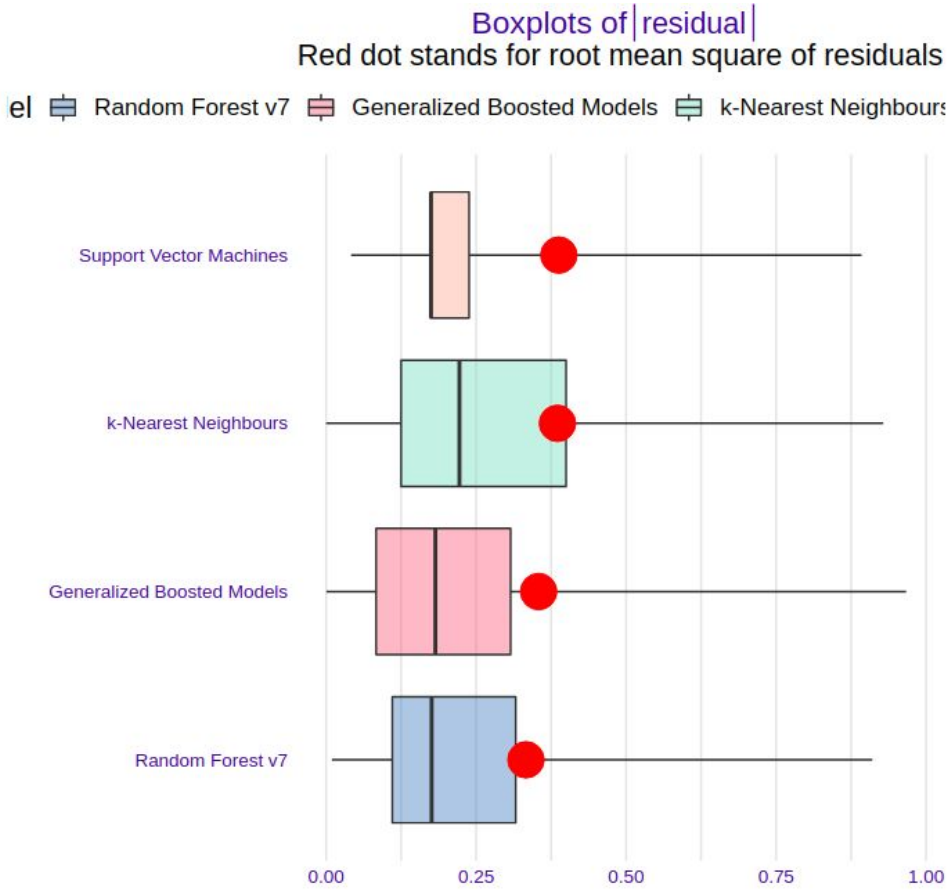
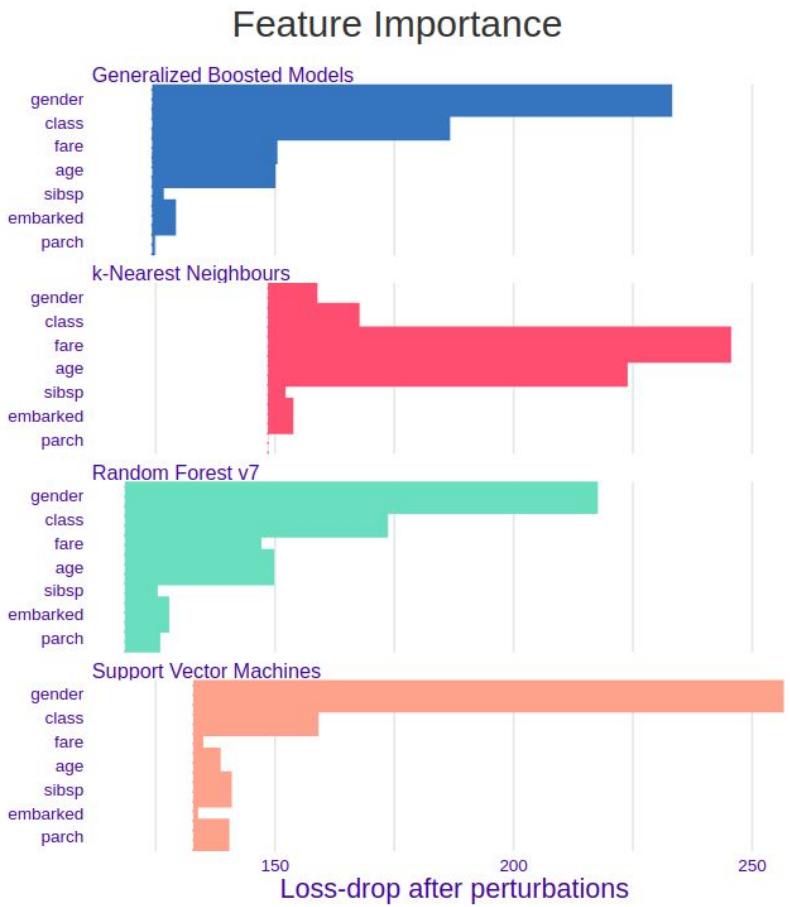
	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
age	1	2099	30.5235827	12.1904498	29.00	29.9756098	10.37820	0.1666667	74.0000	73.83333	0.3986299	0.474194	0.2660808
fare	2	2099	18.6931177	39.9787048	7.15	9.4920502	10.60059	0.0000000	512.0607	512.06070	4.9478989	35.405504	0.8726147
sibsp	3	2099	0.3015722	0.8484003	0.00	0.1171921	0.00000	0.0000000	8.0000	8.00000	5.0095917	33.725541	0.0185180
parch	4	2099	0.2315388	0.6998134	0.00	0.0505651	0.00000	0.0000000	9.0000	9.00000	4.8433914	36.259486	0.0152748

Summaries for categorical variables

gender	Frequency
female	464
male	1635

Model performance




Boxplots of residual
Red dot stands for root mean square of residuals
el
Random Forest v7
Generalized Boosted Models
k-Nearest Neighbours
Support Vector Machines
k-Nearest Neighbours
Generalized Boosted Models
Random Forest v7
0.00
0.25
0.50
0.75
1.00

Variable importance