



University of St.Gallen

Model Evaluation

University of St. Gallen
School of Management, Economics, Law,
Social Sciences, International Affairs
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Assignment 1

Data Analytics I: Predictive Econometrics
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Requirements

To solve the following tasks, the required library and the data set are loaded first. The library *ggplot2* is used for plotting various graphics.

```
library(ggplot2)
load("GHA/insurance-all.RData")
```

Exercise 1

The number of observations in the data set corresponds to the number of rows and the number of covariates collected corresponds to the number of columns minus one (dependent variable). Thus there are 1204 observations and 6 covariates.

```
(n_obs <- nrow(data))
```

```
## [1] 1204
```

```
(n_cov <- ncol(data) - 1)
```

```
## [1] 6
```

Exercise 2

The highest number of children who are covered by one health insurance is 5.

```
(max_children <- max(data$children))
```

```
## [1] 5
```