

Descriptive Tables for Dataset

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Overall Description of Dataset, no binary columns

Overall Description of Dataset, after binary columns

```
library(knitr)
library(readr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
library(magrittr)
library(kableExtra)
library(mlr)
```

```
## Loading required package: ParamHelpers
```

```
library(data.table)
```

```
##
## Attaching package: 'data.table'

## The following objects are masked from 'package:dplyr':
##
##   between, first, last
```

```
pred_table = readRDS("C:/Users/Arion/Desktop/Uni/Applied Bayesian Statistics/Final Project/BayesianAssignment/BayesianAssignment.RDS")
kable(pred_table, "latex", caption = "Predictions", booktabs = T, align = "c") %>% kable_styling(latex_options = "auto")
```

```
bf = readRDS("C:/Users/Arion/Desktop/Uni/Applied Bayesian Statistics/Final Project/BayesianAssignment/BayesianAssignment.RDS")
set.seed(123)
random_rows = sample(nrow(bf), 10)
test_bf = bf[random_rows, -c(1, 11:14)] # keep only independent variables used in xName2
kable(test_bf, "latex", caption = "Test data", booktabs = T, align = "c") %>% kable_styling(latex_options = "auto")
```

Table 1: Predictions

Actual	Prediction	HDIlow	HDIhigh	Error
7774.538	7970.212	7580.56	8343.39	-195.6737
6560.519	9458.578	9158.00	9741.81	-2898.0591
7924.397	9401.438	9093.31	9676.11	-1477.0407
11249.655	9541.289	9243.88	9829.30	1708.3665
10195.167	7039.698	6315.85	7782.02	3155.4689
11541.298	9093.469	8787.52	9401.81	2447.8292
8056.000	8681.006	8055.38	9320.24	-625.0063
7722.062	8738.276	8442.90	9040.46	-1016.2144
11362.697	9033.473	8733.08	9317.55	2329.2243
8141.161	8374.898	8049.05	8695.65	-233.7366

Table 2: Test data

	Count	Purch_Avg	M	18-25	26-35	36-45	46-50	51-55	55+
1695	13	7774.538	0	0	0	1	0	0	0
4644	52	6560.519	1	0	1	0	0	0	0
2409	68	7924.397	1	0	1	0	0	0	0
5200	29	11249.655	1	0	1	0	0	0	0
5537	18	10195.167	0	0	0	0	0	0	1
269	104	11541.298	1	1	0	0	0	0	0
3108	33	8056.000	1	0	0	0	0	0	0
5251	243	7722.062	1	0	1	0	0	0	0
3245	165	11362.697	1	0	1	0	0	0	0
2686	298	8141.161	1	1	0	0	0	0	0