

Hypothese5

Silas Nöttling

19.4.2020

Deskriptive Statistik - Einzelflüge

```
## $`Flug: Amsterdam-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Cookies
## -----
##      N              560        560
##      Missing          0          0
##      Mean            396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels      Counts      % of Total      Cumulative %
## -----
##      Zugelassen      280          50.0          50.0
##      Zurueckgesetzt  280          50.0          100.0
## -----
##
##
## $`Flug: Berlin-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Cookies
## -----
##      N              560        560
##      Missing          0          0
##      Mean            396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
```

```

##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels           Counts      % of Total      Cumulative %
## -----
##      Zugelassen       280         50.0         50.0
##      Zurueckgesetzt   280         50.0         100.0
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Cookies
## -----
##      N              560       560
##      Missing         0         0
##      Mean           396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels           Counts      % of Total      Cumulative %
## -----
##      Zugelassen       280         50.0         50.0
##      Zurueckgesetzt   280         50.0         100.0
## -----
##
##
##
## $`Flug: London-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Cookies
## -----
##      N              560       560
##      Missing         0         0
##      Mean           396
##      Median          228

```

```

##      Standard deviation      332
##      Minimum                50.0
##      Maximum                1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels          Counts    % of Total    Cumulative %
## -----
##      Zugelassen      280        50.0        50.0
##      Zurueckgesetzt  280        50.0        100.0
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##
##              Preis      Cookies
## -----
##      N              560        560
##      Missing         0         0
##      Mean           396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels          Counts    % of Total    Cumulative %
## -----
##      Zugelassen      280        50.0        50.0
##      Zurueckgesetzt  280        50.0        100.0
## -----
##
##
##
## $`Flug: New York-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##
##              Preis      Cookies
## -----

```

```

##      N                560          560
##      Missing           0            0
##      Mean              396
##      Median            228
##      Standard deviation 332
##      Minimum           50.0
##      Maximum           1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels          Counts    % of Total    Cumulative %
## -----
##      Zugelassen       280        50.0         50.0
##      Zurueckgesetzt    280        50.0        100.0
## -----
##
##
## $`Flug: Tokio-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##                  Preis    Cookies
## -----
##      N                560      560
##      Missing           0        0
##      Mean              396
##      Median            228
##      Standard deviation 332
##      Minimum           50.0
##      Maximum           1193
## -----
##
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels          Counts    % of Total    Cumulative %
## -----
##      Zugelassen       280        50.0         50.0
##      Zurueckgesetzt    280        50.0        100.0
## -----
##
##
##
## $`Flug: Amsterdam-KLM`
##
## DESCRIPTIVES
##

```

```

## Descriptives
## -----
##               Preis      Cookies
## -----
##      N               560        560
##      Missing           0          0
##      Mean             396
##      Median           228
##      Standard deviation 332
##      Minimum          50.0
##      Maximum          1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels      Counts      % of Total      Cumulative %
## -----
##      Zugelassen      280          50.0          50.0
##      Zurueckgesetzt    280          50.0          100.0
## -----
##
##
## $`Flug: Berlin-EZY`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Cookies
## -----
##      N               560        560
##      Missing           0          0
##      Mean             396
##      Median           228
##      Standard deviation 332
##      Minimum          50.0
##      Maximum          1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels      Counts      % of Total      Cumulative %
## -----
##      Zugelassen      280          50.0          50.0
##      Zurueckgesetzt    280          50.0          100.0
## -----
##
##

```

```

## $`Flug: Lissabon-LDM`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Cookies
## -----
##      N              560        560
##      Missing          0          0
##      Mean            396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels          Counts      % of Total      Cumulative %
## -----
##      Zugelassen        280          50.0          50.0
##      Zurueckgesetzt    280          50.0          100.0
## -----
##
##
## $`Flug: London-BAW`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Cookies
## -----
##      N              560        560
##      Missing          0          0
##      Mean            396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels          Counts      % of Total      Cumulative %
## -----
##      Zugelassen        280          50.0          50.0

```

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##      Zurueckgesetzt      280      50.0      100.0
## -----
##
##
## $`Flug: Bangkok-THA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Cookies
## -----
##      N              560      560
##      Missing          0          0
##      Mean            396
##      Median          228
##      Standard deviation  332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels      Counts      % of Total      Cumulative %
## -----
##      Zugelassen      280          50.0          50.0
##      Zurueckgesetzt  280          50.0          100.0
## -----
##
##
##
## $`Flug: New York-UAL`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Cookies
## -----
##      N              560      560
##      Missing          0          0
##      Mean            396
##      Median          228
##      Standard deviation  332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
##
## FREQUENCIES
##
## Frequencies of Cookies

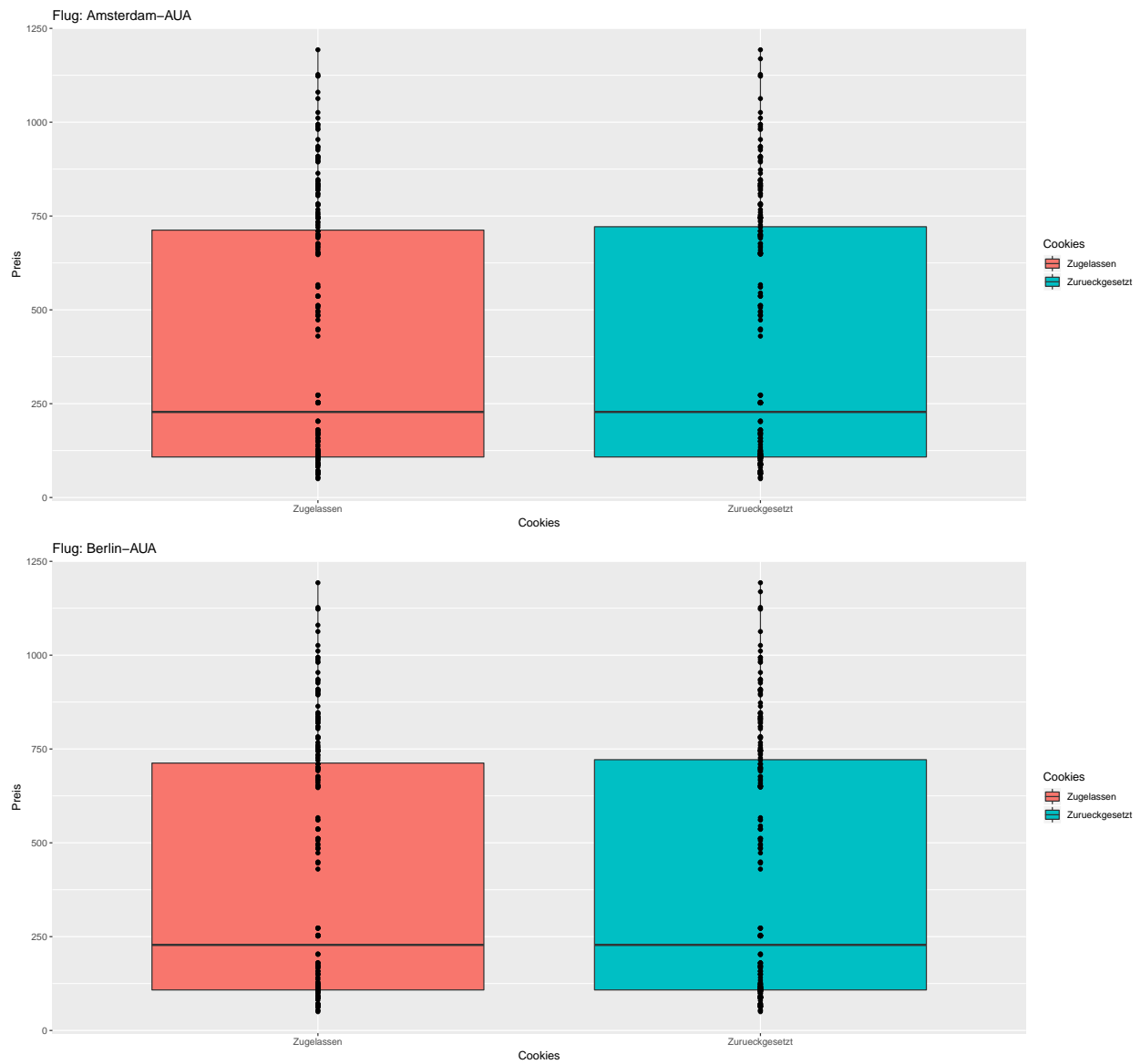
```

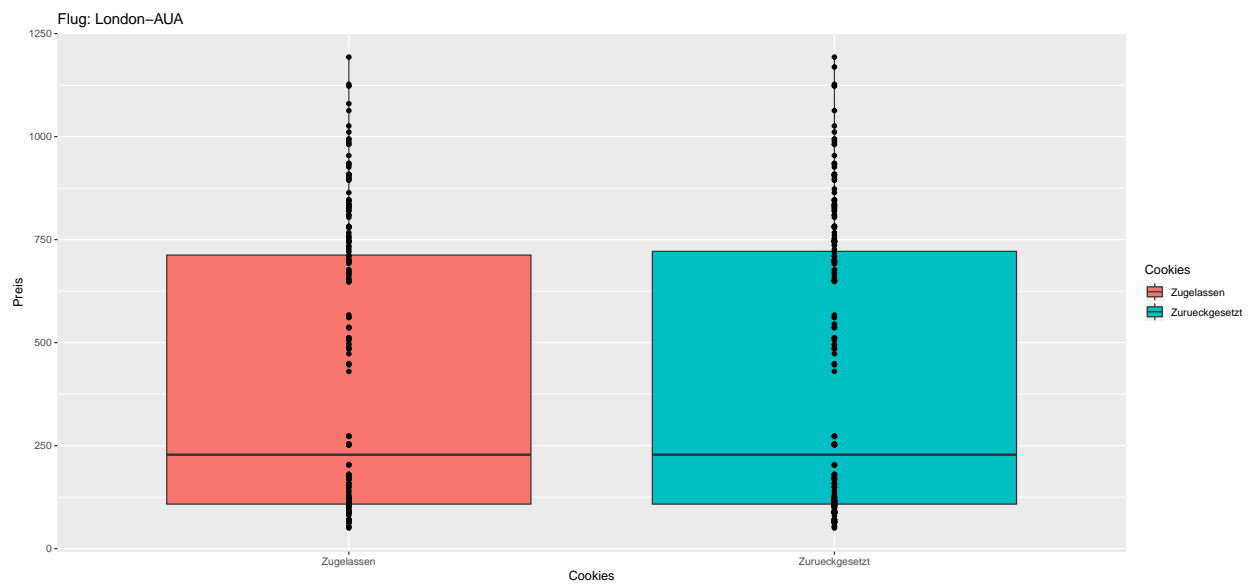
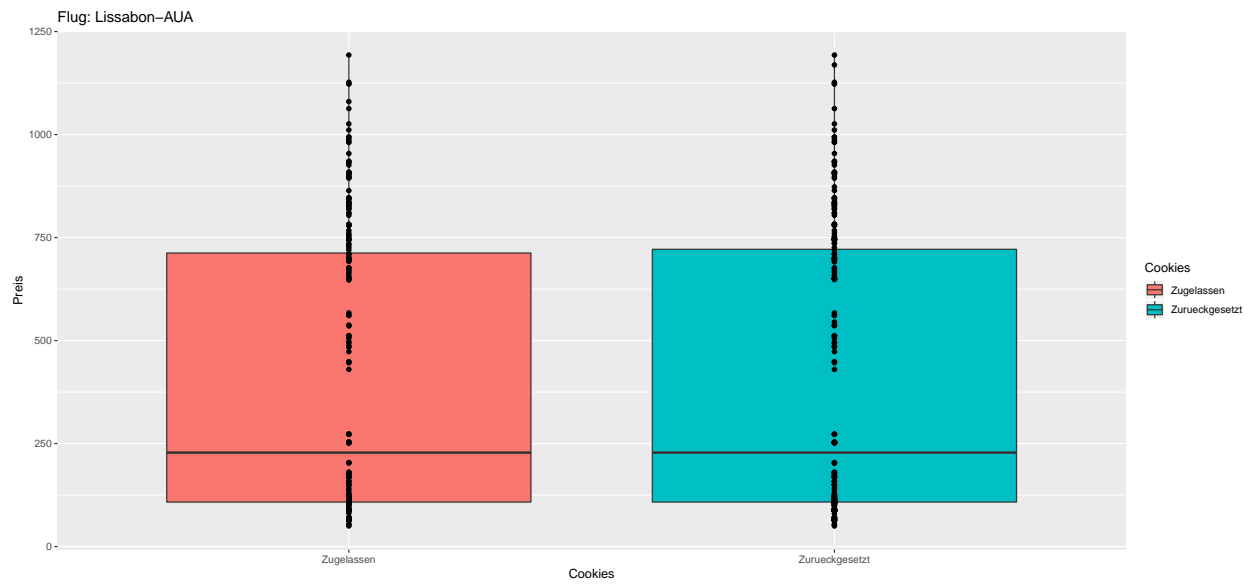
```

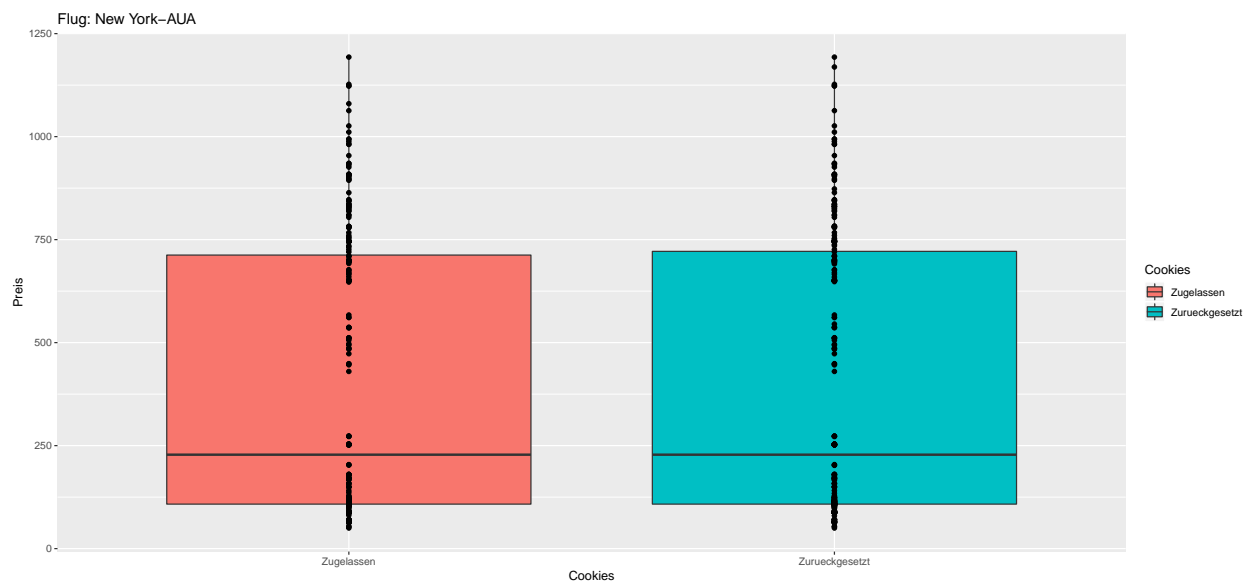
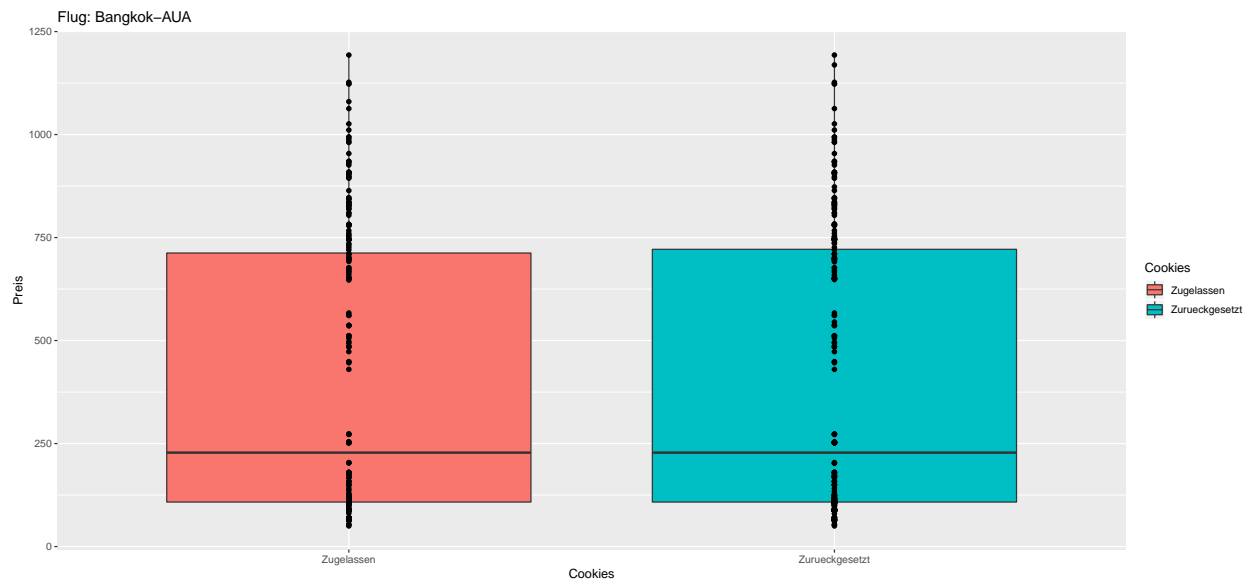
## -----
##      Levels           Counts      % of Total      Cumulative %
## -----
##      Zugelassen           280           50.0           50.0
##      Zurueckgesetzt       280           50.0          100.0
## -----
##
##
## $`Flug: Tokio-ANA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Cookies
## -----
##      N              560       560
##      Missing         0         0
##      Mean            396
##      Median          228
##      Standard deviation 332
##      Minimum         50.0
##      Maximum        1193
## -----
##
##
##
## FREQUENCIES
##
## Frequencies of Cookies
## -----
##      Levels           Counts      % of Total      Cumulative %
## -----
##      Zugelassen           280           50.0           50.0
##      Zurueckgesetzt       280           50.0          100.0
## -----

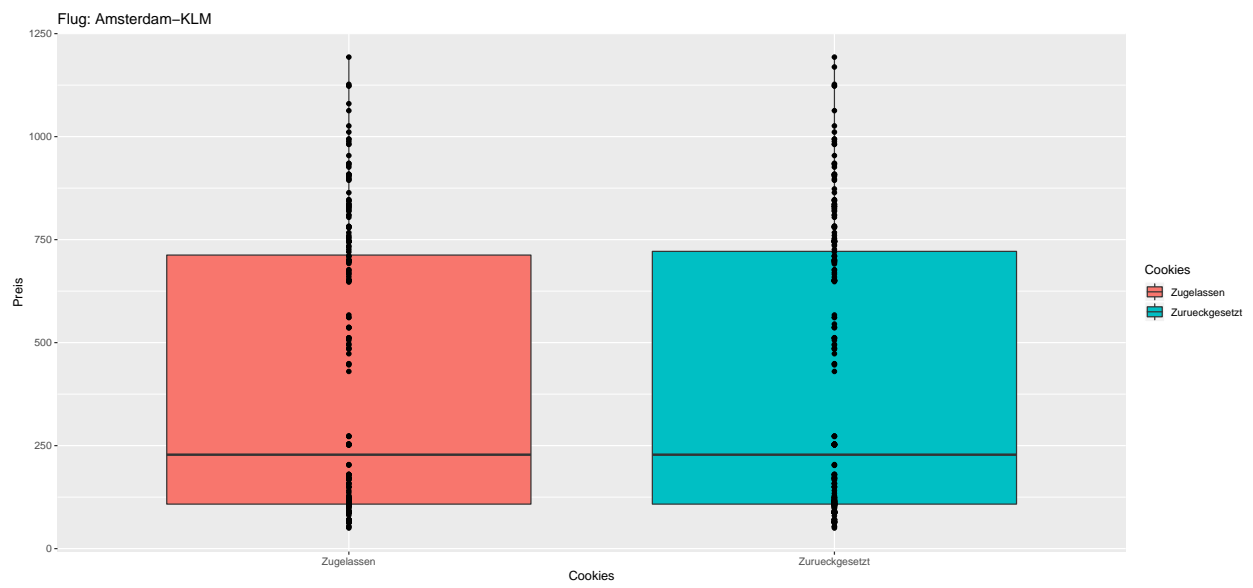
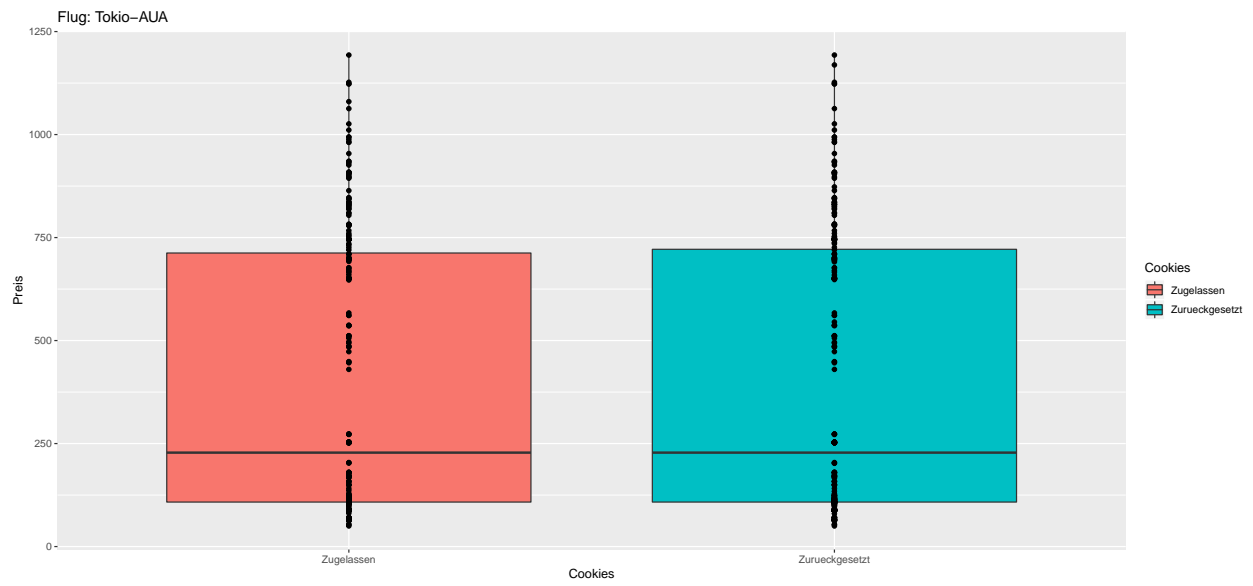
```

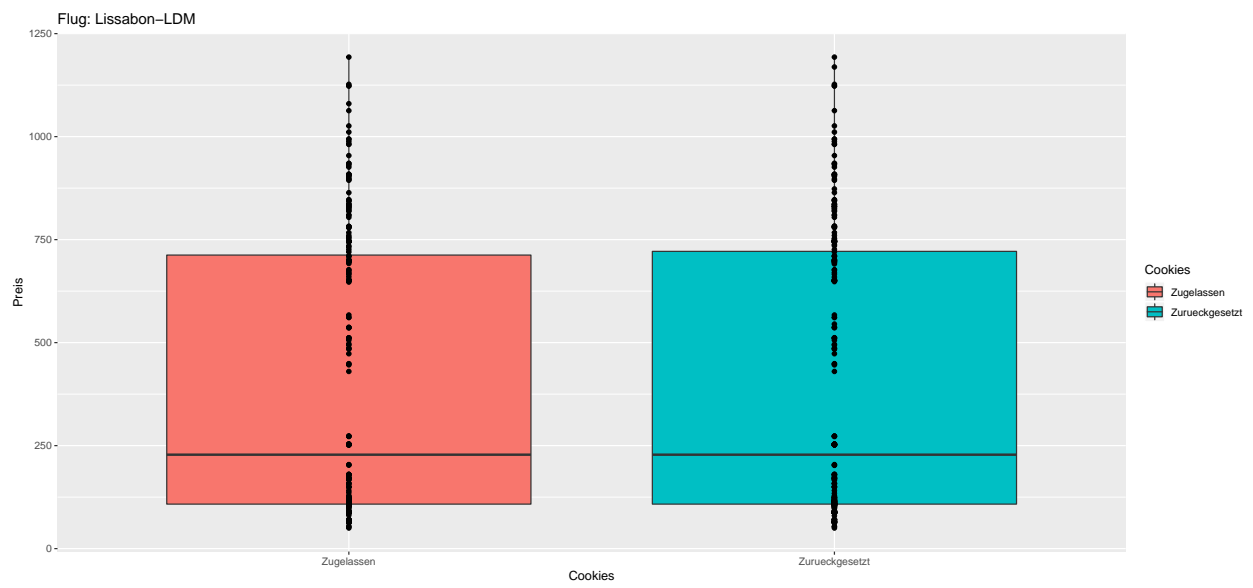
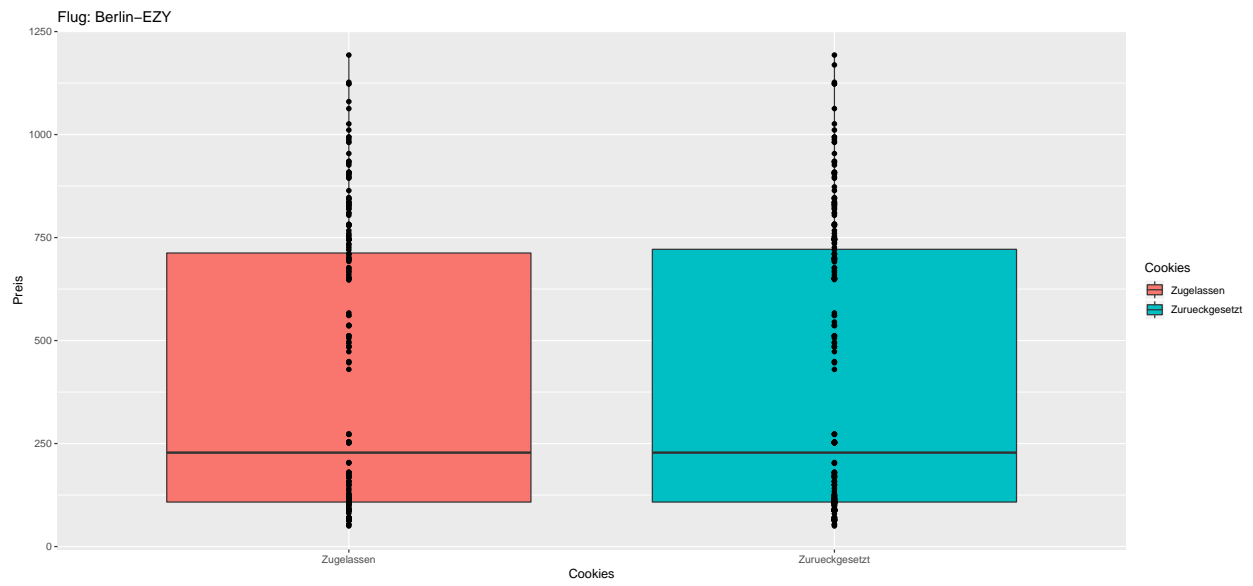

Box-Plot - Einzelflüge

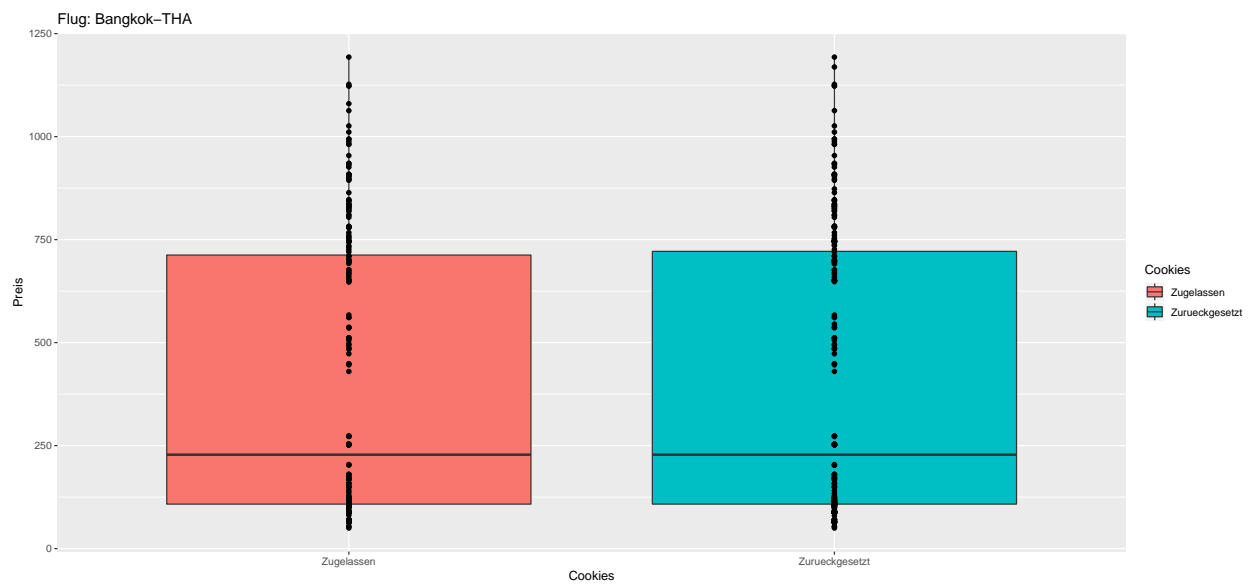
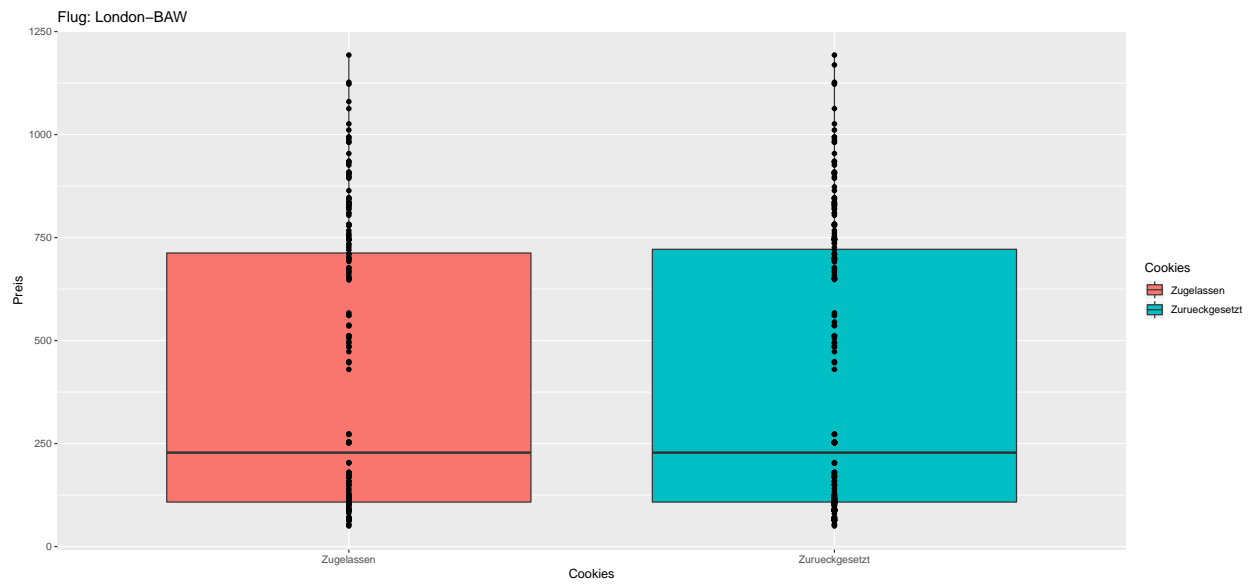


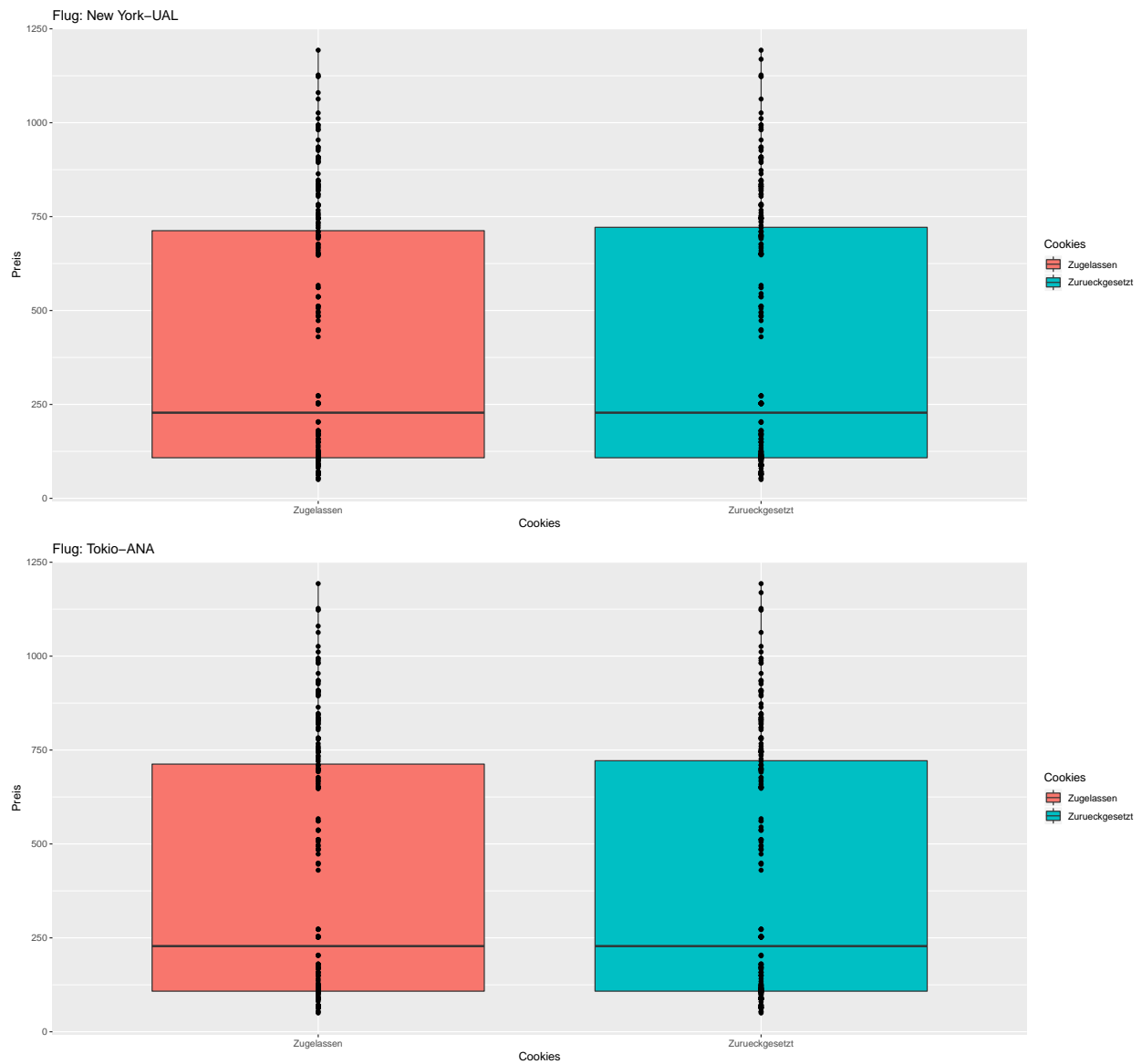












ANOVA

```
## $`Flug: Amsterdam–AUA`
```

```
##
```

```
## ANOVA
```

```
##
```

```
## ANOVA
```

```
##
```

	Sum of Squares	df	Mean Square	F	p	<U+03B7> ² p
Cookies	5.21	1	5.21	4.71e-5	0.995	0.000
Residuals	6.17e+7	558	110573.63			

```
##
```

```
##
```

```
## ESTIMATED MARGINAL MEANS
```

```

##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt    396    19.9      357      435
## -----
##
##
## $`Flug: Berlin-AUA`
##
## ANOVA
##
## ANOVA
## -----
##      Sum of Squares    df      Mean Square    F      p      <U+03B7>2p
## -----
##      Cookies              5.21      1              5.21    4.71e-5    0.995    0.000
##      Residuals          6.17e+7    558          110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt    396    19.9      357      435
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## ANOVA
##
## ANOVA
## -----
##      Sum of Squares    df      Mean Square    F      p      <U+03B7>2p
## -----
##      Cookies              5.21      1              5.21    4.71e-5    0.995    0.000
##      Residuals          6.17e+7    558          110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES

```



```

##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt    396    19.9      357      435
## -----
##
##
## $`Flug: London-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      Cookies              5.21        1          5.21      4.71e-5      0.995      0.000
##      Residuals          6.17e+7      558      110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt    396    19.9      357      435
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      Cookies              5.21        1          5.21      4.71e-5      0.995      0.000
##      Residuals          6.17e+7      558      110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies

```

```

## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt  396    19.9      357      435
## -----
##
##
## $`Flug: New York-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df      Mean Square    F          p          <U+03B7>2p
## -----
##      Cookies              5.21        1          5.21    4.71e-5    0.995    0.000
##      Residuals          6.17e+7    558    110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt  396    19.9      357      435
## -----
##
##
## $`Flug: Tokio-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df      Mean Square    F          p          <U+03B7>2p
## -----
##      Cookies              5.21        1          5.21    4.71e-5    0.995    0.000
##      Residuals          6.17e+7    558    110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper

```

```

## -----
##   Zugelassen      396   19.9   357   435
##   Zurueckgesetzt  396   19.9   357   435
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## ANOVA
##
## ANOVA
## -----
##               Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Cookies           5.21         1          5.21    4.71e-5    0.995    0.000
##   Residuals        6.17e+7       558       110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##   Cookies      Mean    SE    Lower    Upper
## -----
##   Zugelassen   396    19.9    357    435
##   Zurueckgesetzt 396    19.9    357    435
## -----
##
##
## $`Flug: Berlin-EZY`
##
## ANOVA
##
## ANOVA
## -----
##               Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Cookies           5.21         1          5.21    4.71e-5    0.995    0.000
##   Residuals        6.17e+7       558       110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##   Cookies      Mean    SE    Lower    Upper
## -----
##   Zugelassen   396    19.9    357    435

```

```

##      Zurueckgesetzt      396      19.9      357      435
## -----
##
##
## $`Flug: Lissabon-LDM`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>²p
## -----
##      Cookies              5.21        1              5.21      4.71e-5      0.995      0.000
##      Residuals            6.17e+7      558            110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean      SE      Lower      Upper
## -----
##      Zugelassen      396      19.9      357      435
##      Zurueckgesetzt      396      19.9      357      435
## -----
##
##
## $`Flug: London-BAW`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>²p
## -----
##      Cookies              5.21        1              5.21      4.71e-5      0.995      0.000
##      Residuals            6.17e+7      558            110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean      SE      Lower      Upper
## -----
##      Zugelassen      396      19.9      357      435
##      Zurueckgesetzt      396      19.9      357      435
## -----
##

```

```

##
##
## $`Flug: Bangkok-THA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Cookies              5.21        1          5.21    4.71e-5    0.995    0.000
##   Residuals          6.17e+7      558      110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##   Cookies      Mean    SE    Lower    Upper
## -----
##   Zugelassen    396    19.9    357    435
##   Zurueckgesetzt 396    19.9    357    435
## -----
##
##
## $`Flug: New York-UAL`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Cookies              5.21        1          5.21    4.71e-5    0.995    0.000
##   Residuals          6.17e+7      558      110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##   Cookies      Mean    SE    Lower    Upper
## -----
##   Zugelassen    396    19.9    357    435
##   Zurueckgesetzt 396    19.9    357    435
## -----
##
##

```

```

## $`Flug: Tokio-ANA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Cookies              5.21      1          5.21    4.71e-5    0.995    0.000
##      Residuals          6.17e+7    558    110573.63
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## COOKIES
##
## Estimated Marginal Means - Cookies
## -----
##      Cookies      Mean    SE      Lower    Upper
## -----
##      Zugelassen      396    19.9      357      435
##      Zurueckgesetzt    396    19.9      357      435
## -----

```