

# Hypothese 4

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## Deskriptive Statistik - Einzelflüge

```
## $`Flug: Amsterdam-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean           97.8
##      Median          88.0
##      Standard deviation 15.3
##      Minimum         87.0
##      Maximum        141
## -----
##
##
## $`Flug: Berlin-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean           92.8
##      Median          88.0
##      Standard deviation 12.8
##      Minimum         87.0
##      Maximum        123
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Datenzugriff
## -----
##      N              40              40
```

```

##      Missing                0                0
##      Mean                  257
##      Median                253
##      Standard deviation    8.17
##      Minimum               252
##      Maximum               273
## -----
##
##
## $`Flug: London-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean            144
##      Median           150
##      Standard deviation 37.8
##      Minimum          105
##      Maximum          204
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean            800
##      Median           810
##      Standard deviation 79.1
##      Minimum          666
##      Maximum          932
## -----
##
##
## $`Flug: New York-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40

```

```

##      Missing              0              0
##      Mean                592
##      Median              553
##      Standard deviation   104
##      Minimum             473
##      Maximum             738
## -----
##
##
## $`Flug: Tokio-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean           848
##      Median          823
##      Standard deviation 116
##      Minimum         747
##      Maximum        1169
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean           145
##      Median          158
##      Standard deviation 30.7
##      Minimum         99.0
##      Maximum         180
## -----
##
##
## $`Flug: Berlin-EZY`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40

```

```

##      Missing              0              0
##      Mean                64.3
##      Median              64.5
##      Standard deviation   5.87
##      Minimum             50.0
##      Maximum             71.0
## -----
##
##
## $`Flug: Lissabon-LDM`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing        0              0
##      Mean           104
##      Median          106
##      Standard deviation 19.1
##      Minimum         66.0
##      Maximum         134
## -----
##
##
## $`Flug: London-BAW`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing        0              0
##      Mean           111
##      Median          112
##      Standard deviation 3.07
##      Minimum         108
##      Maximum         119
## -----
##
##
## $`Flug: Bangkok-THA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40

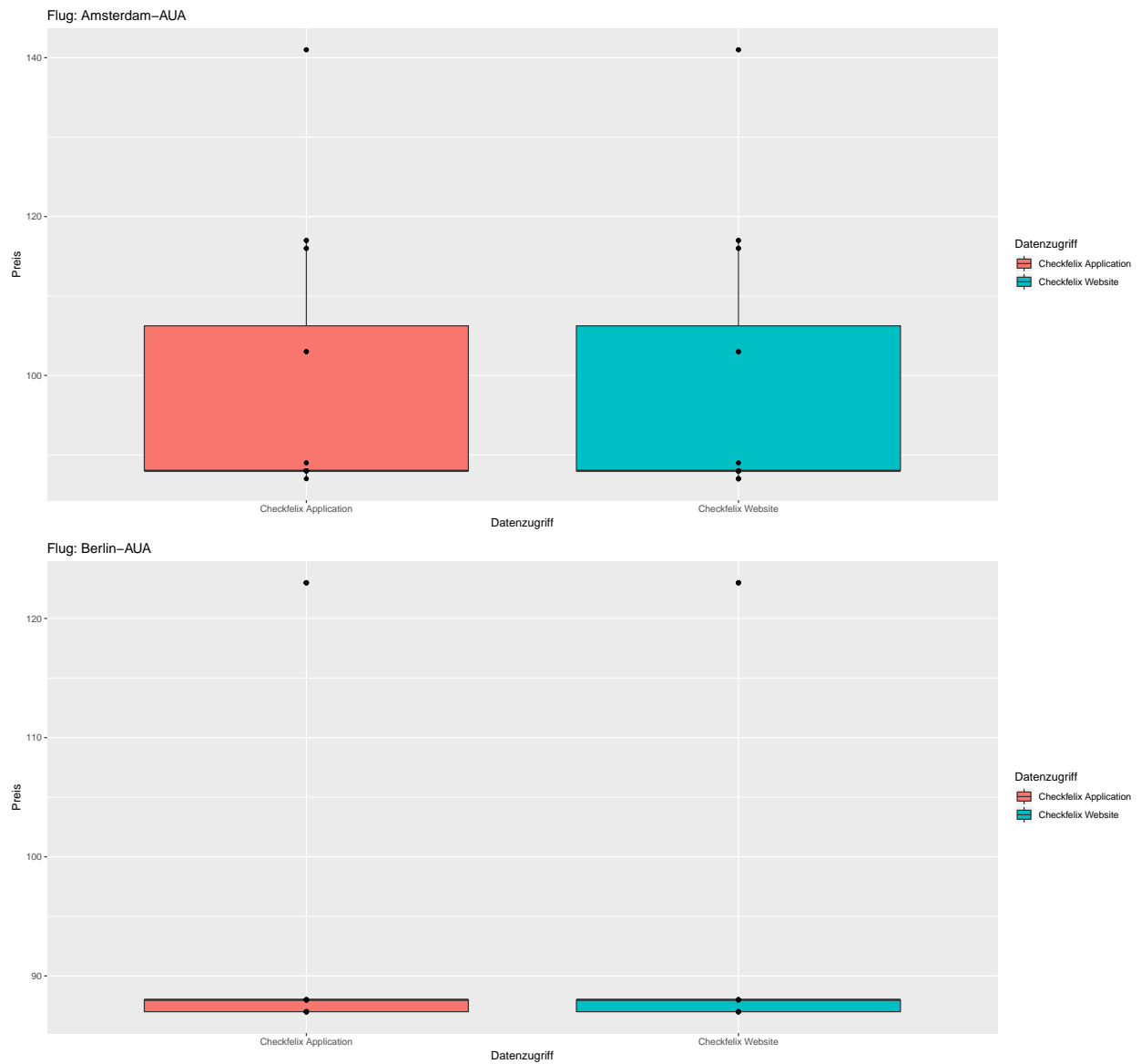
```

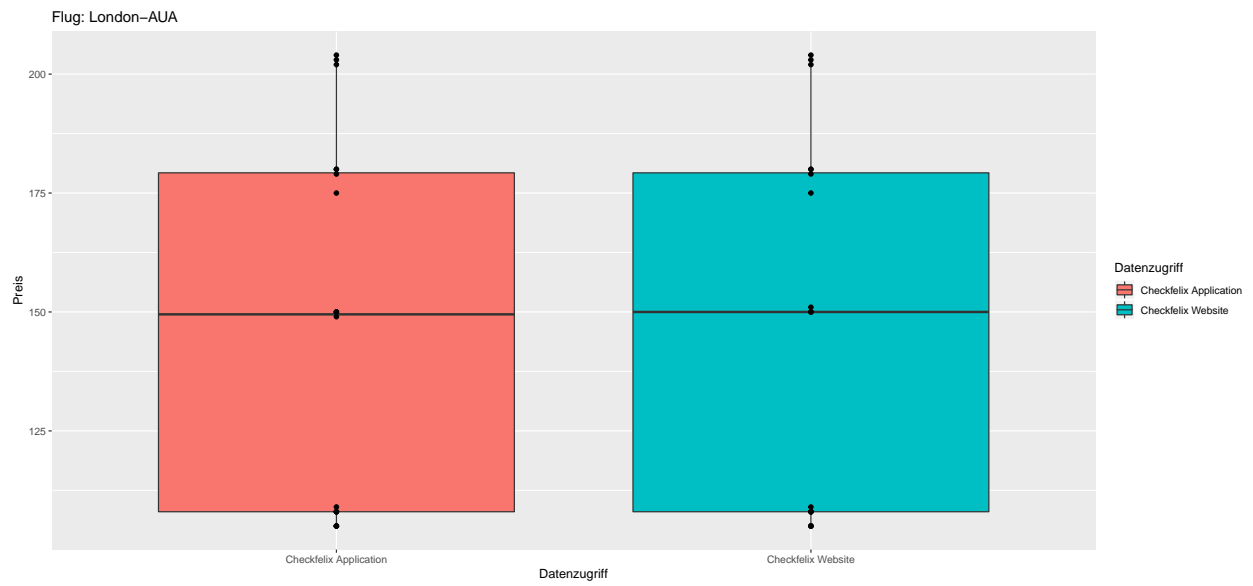
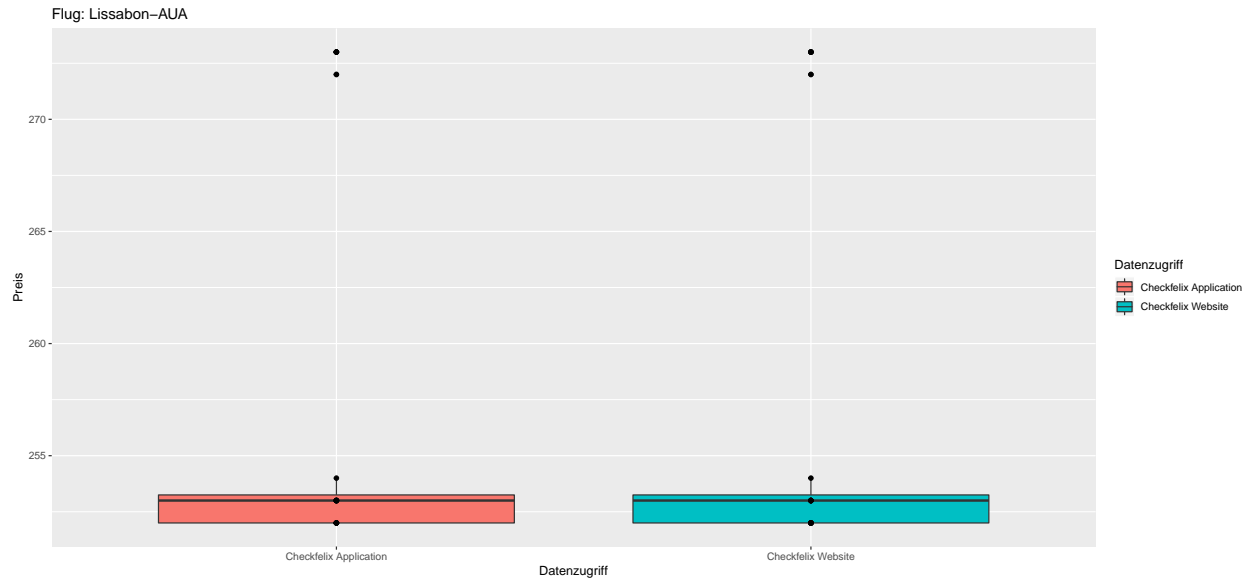
```

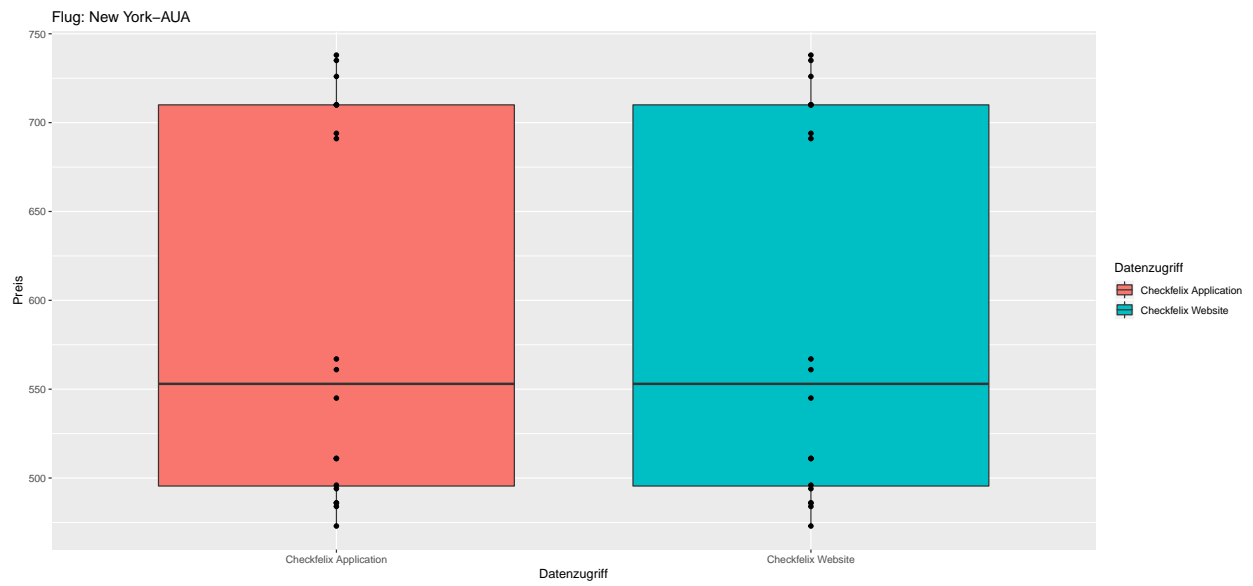
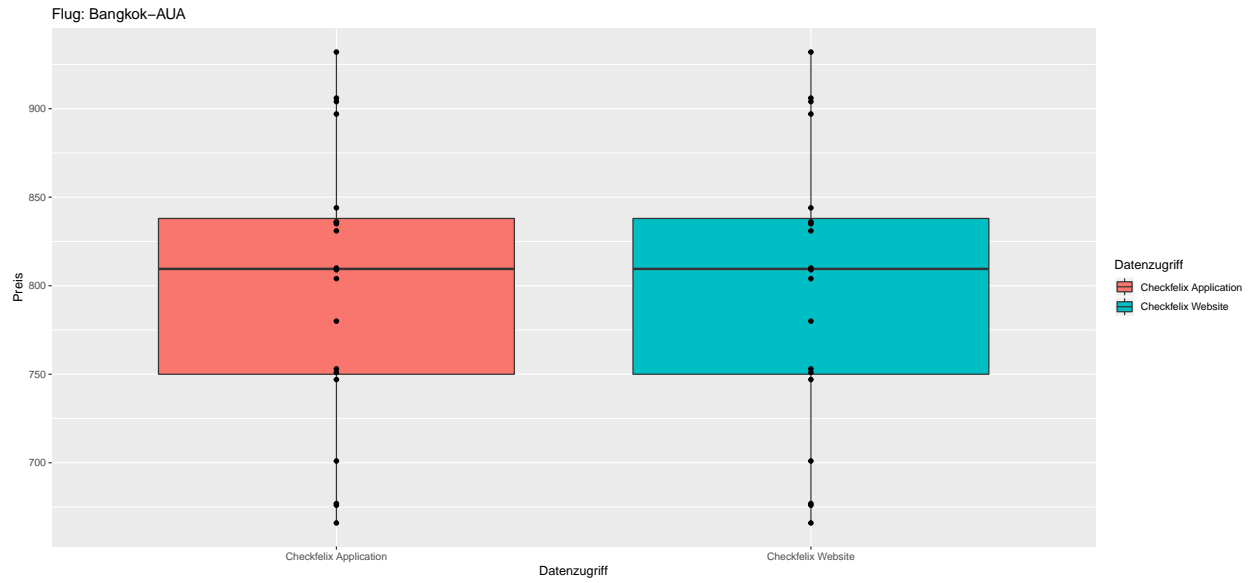
##      Missing              0              0
##      Mean                979
##      Median              967
##      Standard deviation   87.4
##      Minimum             864
##      Maximum             1193
## -----
##
##
## $`Flug: New York-UAL`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean            620
##      Median           640
##      Standard deviation 130
##      Minimum          430
##      Maximum          767
## -----
##
##
## $`Flug: Tokio-ANA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Datenzugriff
## -----
##      N              40              40
##      Missing         0              0
##      Mean            687
##      Median           656
##      Standard deviation 62.8
##      Minimum          648
##      Maximum          894
## -----

```

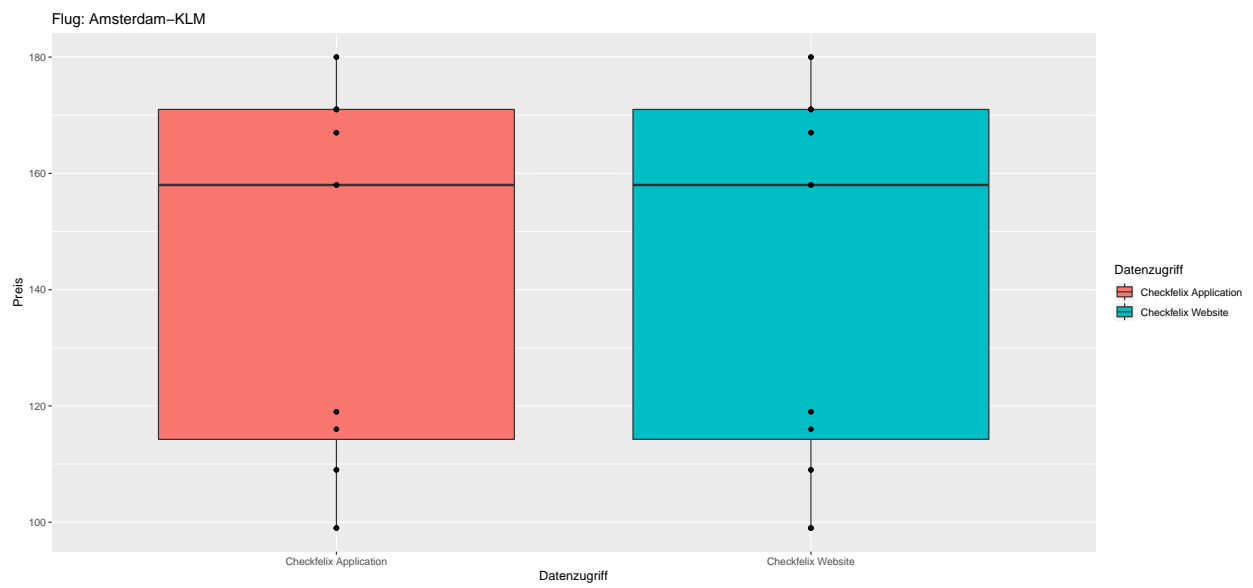
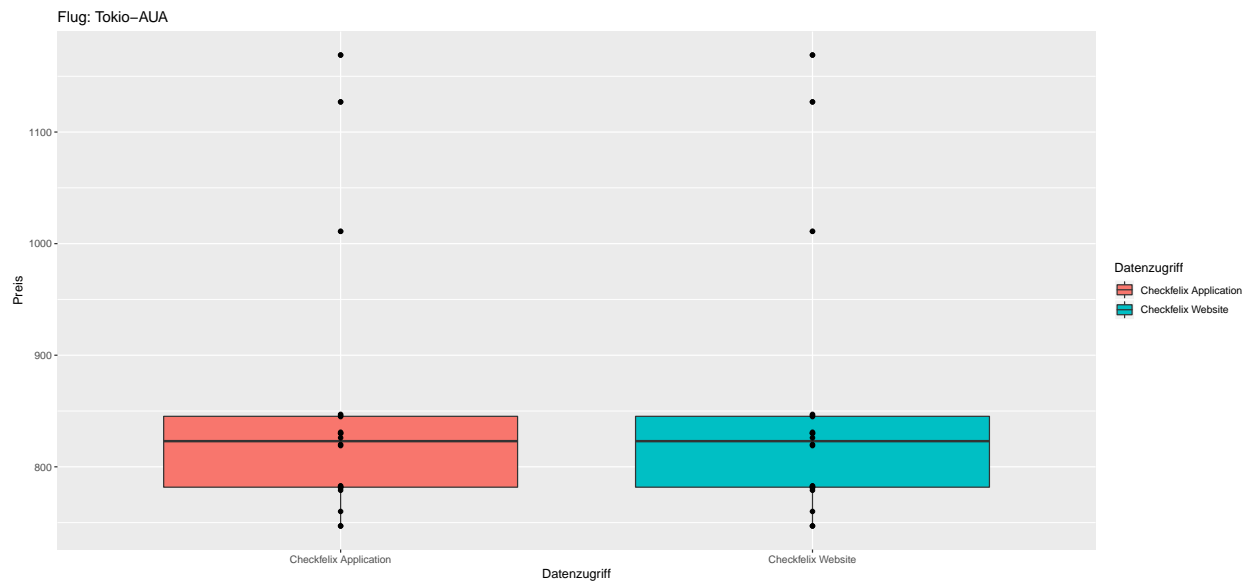
## Box-Plot - Einzelflüge

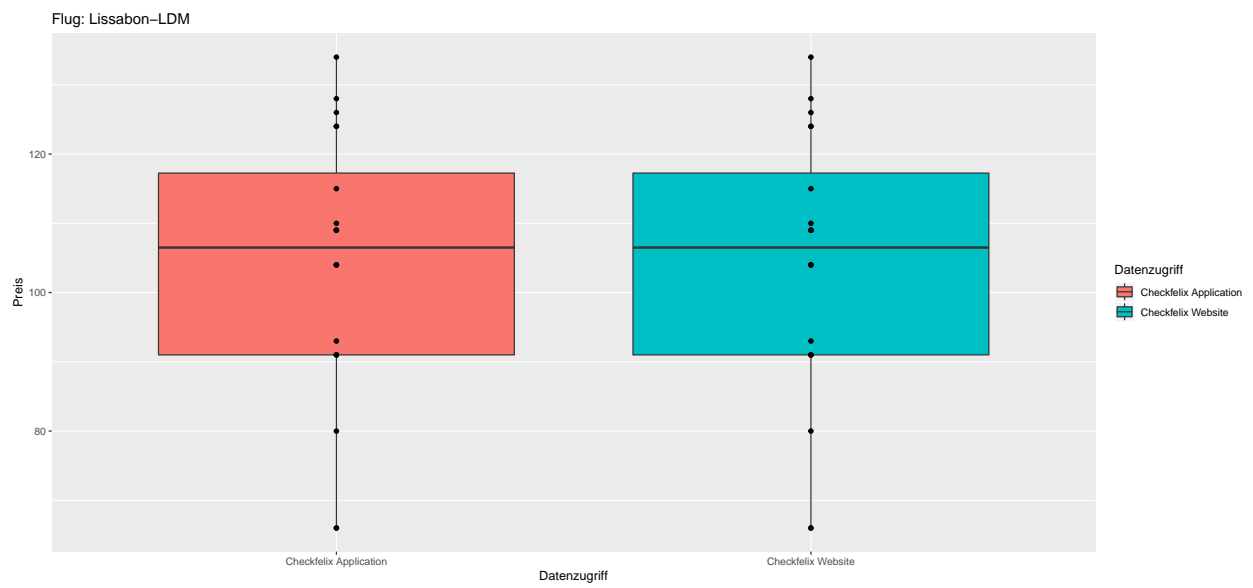
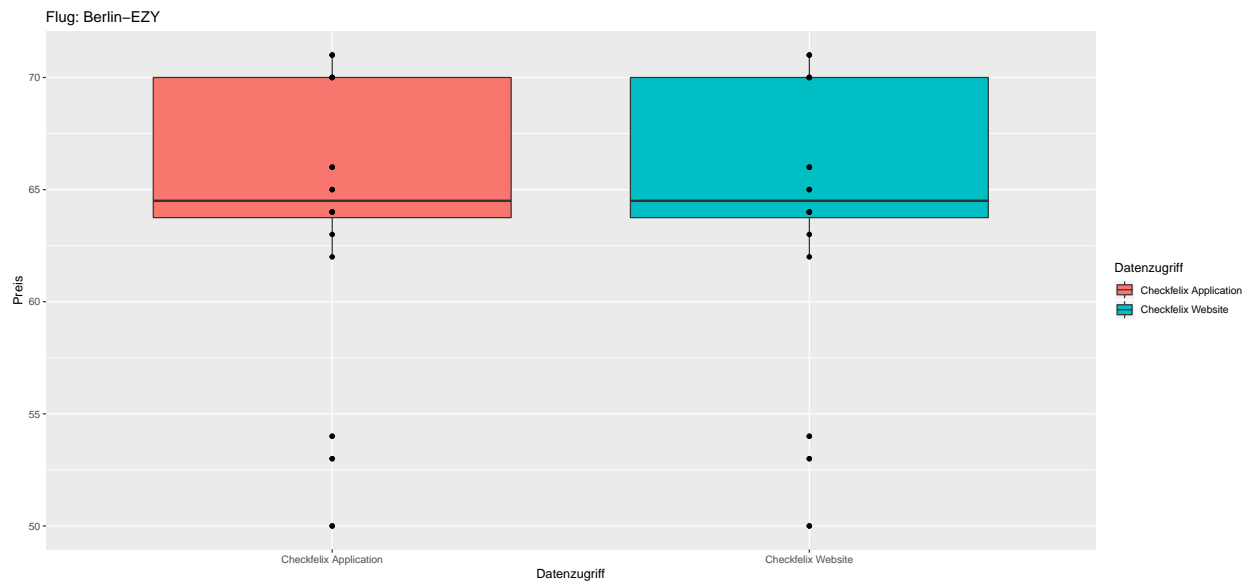


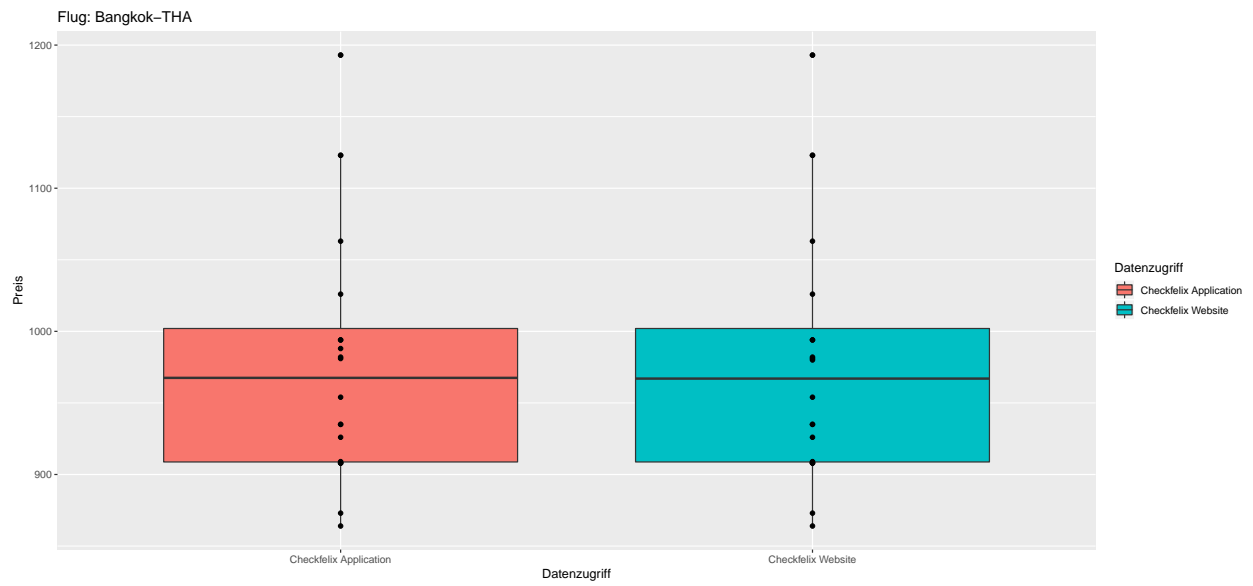
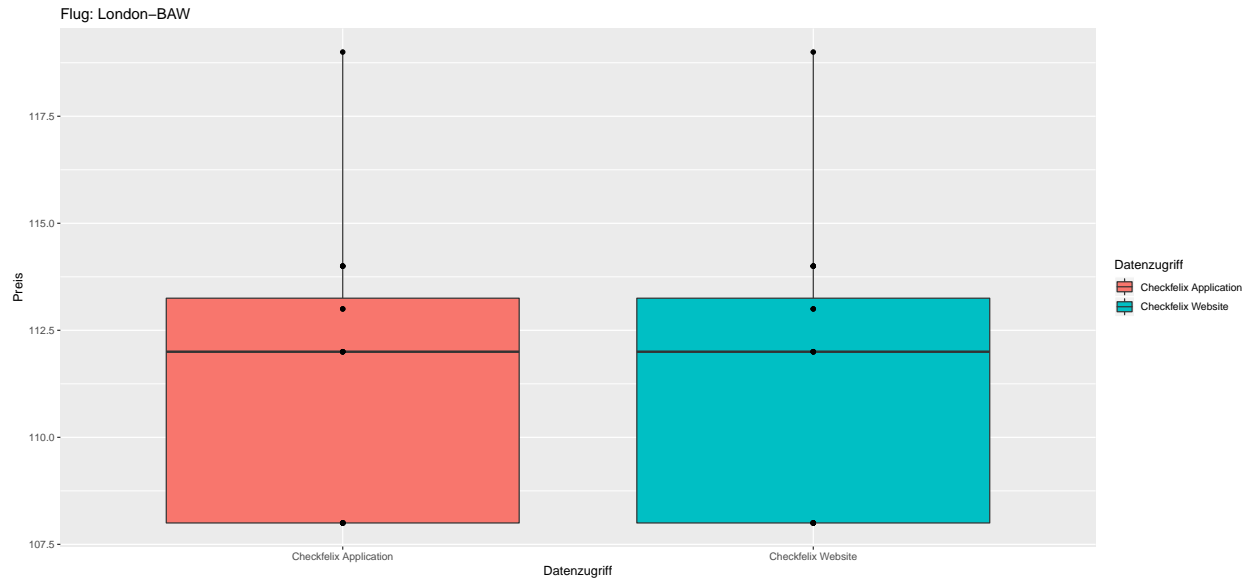


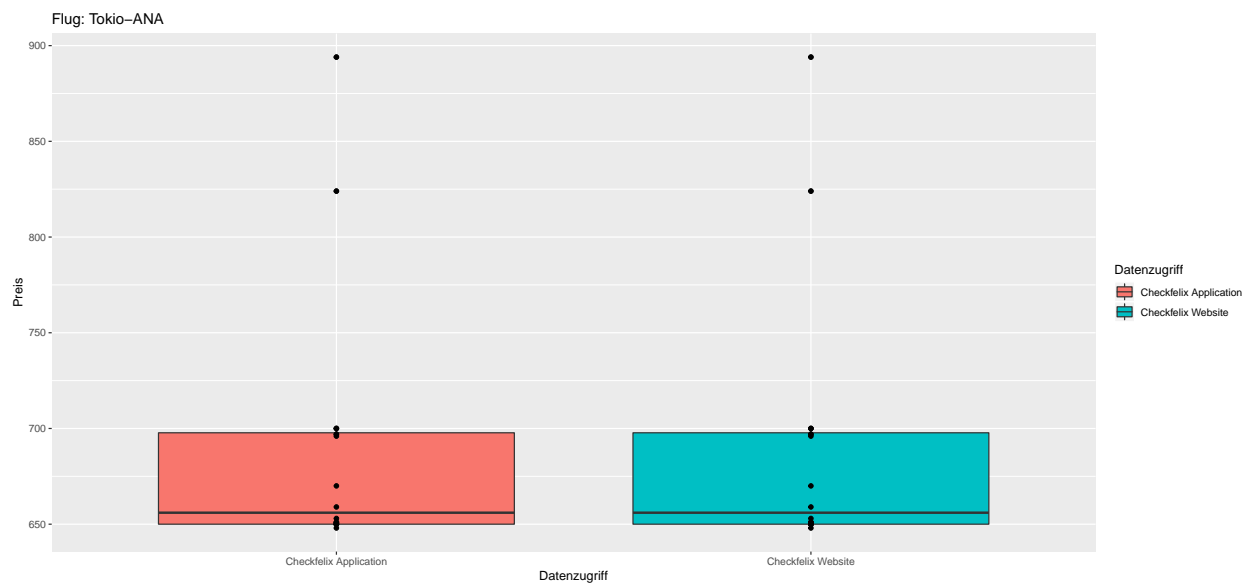
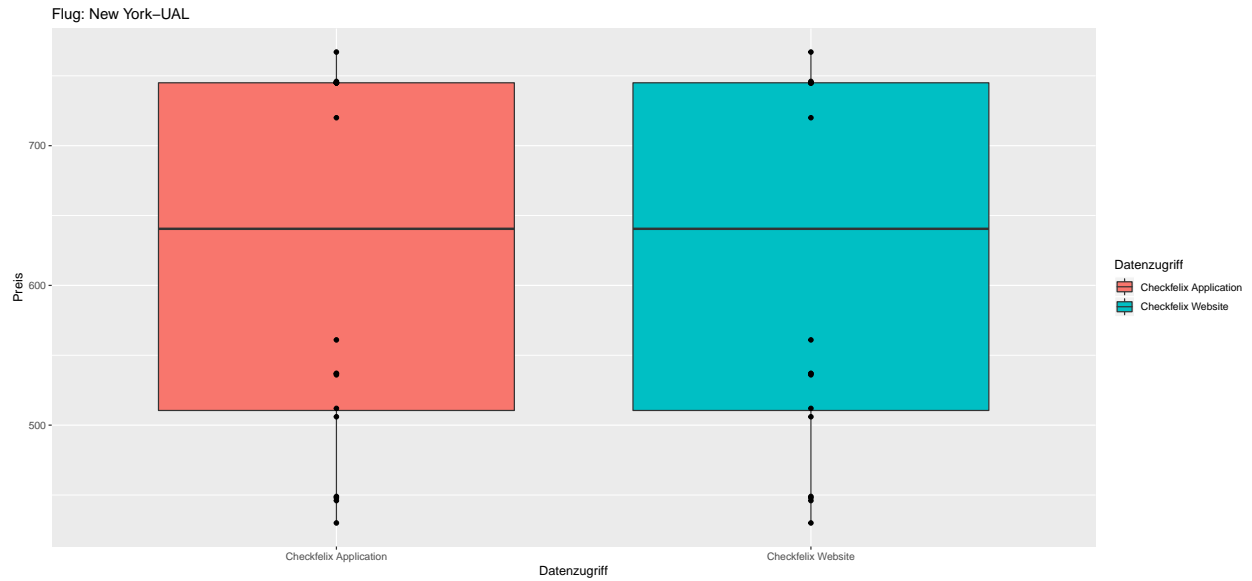












## ANOVA

```
## $`Flug: Amsterdam-AUA`
```

```
##
```

```
## ANOVA
```

```
##
```

```
## ANOVA
```

```
##
```

	Sum of Squares	df	Mean Square	F	p	<U+03B7> <sup>2</sup> p
Datenzugriff	0.100	1	0.100	4.14e-4	0.984	0.000
Residuals	9182.300	38	241.639			

```
##
```

```
##
```

```
## ESTIMATED MARGINAL MEANS
```

```

##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff          Mean    SE      Lower    Upper
## -----
##      Checkfelix Application    97.9    3.48     90.8     105
##      Checkfelix Website       97.8    3.48     90.7     105
## -----
##
##
## $`Flug: Berlin-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##      Datenzugriff              0.00      1          0.00    1.26e-29    1.000    0.000
##      Residuals              6425.10     38        169.08
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff          Mean    SE      Lower    Upper
## -----
##      Checkfelix Application    92.9    2.91     87.0     98.7
##      Checkfelix Website       92.9    2.91     87.0     98.7
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##      Datenzugriff              0.00      1          0.00    7.83e-29    1.000    0.000
##      Residuals              2605.10     38         68.56
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF

```

```

##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff           Mean    SE      Lower    Upper
## -----
##      Checkfelix Application    257    1.85      253      260
##      Checkfelix Website        257    1.85      253      260
## -----
##
##
## $`Flug: London-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Datenzugriff             0.1000     1         0.1000    6.82e-5    0.993    0.000
##      Residuals              55720.3000    38        1466.3237
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff           Mean    SE      Lower    Upper
## -----
##      Checkfelix Application    144    8.56      127      161
##      Checkfelix Website        144    8.56      127      162
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Datenzugriff             0.00     1         0.00    3.81e-30    1.000    0.000
##      Residuals             243751.50    38        6414.51
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff

```

```

## -----
##      Datenzugriff           Mean      SE      Lower      Upper
## -----
##      Checkfelix Application      800      17.9      763      836
##      Checkfelix Website          800      17.9      763      836
## -----
##
##
## $`Flug: New York-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      Datenzugriff              0.00      1              0.00      5.22e-30      1.000      0.000
##      Residuals          424585.90      38          11173.31
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff           Mean      SE      Lower      Upper
## -----
##      Checkfelix Application      592      23.6      544      640
##      Checkfelix Website          592      23.6      544      640
## -----
##
##
## $`Flug: Tokio-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      Datenzugriff              0.00      1              0.00      9.19e-32      1.000      0.000
##      Residuals          521687.60      38          13728.62
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff           Mean      SE      Lower      Upper

```

```

## -----
##   Checkfelix Application      848    26.2    795    901
##   Checkfelix Website         848    26.2    795    901
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## ANOVA
##
## ANOVA
## -----
##               Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Datenzugriff                0.00     1         0.00    1.30e-32    1.000    0.000
##   Residuals                 36869.60    38        970.25
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##   Datenzugriff          Mean    SE      Lower    Upper
## -----
##   Checkfelix Application    145    6.97      130      159
##   Checkfelix Website       145    6.97      130      159
## -----
##
##
## $`Flug: Berlin-EZY`
##
## ANOVA
##
## ANOVA
## -----
##               Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Datenzugriff                0.00     1         0.00    3.79e-29    1.000    0.000
##   Residuals                 1344.40    38        35.38
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##   Datenzugriff          Mean    SE      Lower    Upper
## -----
##   Checkfelix Application    64.3    1.33      61.6      67.0

```



```

##      Checkfelix Website      64.3      1.33      61.6      67.0
## -----
##
##
## $`Flug: Lissabon-LDM`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p      <U+03B7>2p
## -----
##      Datenzugriff              0.00        1              0.00      8.67e-30      1.000      0.000
##      Residuals              14167.60       38              372.83
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff              Mean      SE              Lower      Upper
## -----
##      Checkfelix Application      104      4.32              95.2      113
##      Checkfelix Website          104      4.32              95.2      113
## -----
##
##
## $`Flug: London-BAW`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p      <U+03B7>2p
## -----
##      Datenzugriff              0.00        1              0.00      6.51e-29      1.000      0.000
##      Residuals              367.50       38              9.67
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##      Datenzugriff              Mean      SE              Lower      Upper
## -----
##      Checkfelix Application      111      0.695              110      113
##      Checkfelix Website          111      0.695              110      113
## -----

```

```

##
##
## $`Flug: Bangkok-THA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Datenzugriff              1.60      1          1.60    2.04e-4    0.989    0.000
##   Residuals            297651.50    38          7832.93
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##   Datenzugriff          Mean    SE      Lower    Upper
## -----
##   Checkfelix Application    979    19.8      939    1019
##   Checkfelix Website        979    19.8      939    1019
## -----
##
##
## $`Flug: New York-UAL`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Datenzugriff              0.00      1          0.00    4.64e-30    1.000    0.000
##   Residuals            662062.00    38          17422.68
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##   Datenzugriff          Mean    SE      Lower    Upper
## -----
##   Checkfelix Application    620    29.5      561    680
##   Checkfelix Website        620    29.5      561    680
## -----
##
##

```

```

## $`Flug: Tokio-ANA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Datenzugriff              0.00     1          0.00    1.24e-29    1.000    0.000
##   Residuals            153777.90    38        4046.79
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DATENZUGRIFF
##
## Estimated Marginal Means - Datenzugriff
## -----
##   Datenzugriff          Mean    SE      Lower    Upper
## -----
##   Checkfelix Application    687    14.2     658     716
##   Checkfelix Website       687    14.2     658     716
## -----

```