

Hypothese 7

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19.4.2020

Deskriptive Statistik - Einzelflüge

```
## $`Flug: Amsterdam-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      IP_Adresse
## -----
##      N              40             40
##      Missing          0             0
##      Mean            194
##      Median          117
##      Standard deviation 134
##      Minimum         87.0
##      Maximum         434
## -----
##
##
## $`Flug: Berlin-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      IP_Adresse
## -----
##      N              40             40
##      Missing          0             0
##      Mean            114
##      Median          113
##      Standard deviation 33.7
##      Minimum         87.0
##      Maximum         230
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      IP_Adresse
## -----
##      N              40             40
```

```

##      Missing                0                0
##      Mean                  343
##      Median                254
##      Standard deviation    135
##      Minimum              252
##      Maximum              557
## -----
##
##
## $`Flug: London-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N                40          40
##      Missing          0          0
##      Mean             179
##      Median           180
##      Standard deviation 17.9
##      Minimum          150
##      Maximum          205
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N                40          40
##      Missing          0          0
##      Mean             949
##      Median           906
##      Standard deviation 147
##      Minimum          751
##      Maximum         1153
## -----
##
##
## $`Flug: New York-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N                40          40

```

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##      Missing              0              0
##      Mean                665
##      Median              707
##      Standard deviation   84.7
##      Minimum             473
##      Maximum             735
## -----
##
##
## $`Flug: Tokio-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40              40
##      Missing         0              0
##      Mean           1564
##      Median          1122
##      Standard deviation  997
##      Minimum          747
##      Maximum         3343
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40              40
##      Missing         0              0
##      Mean            164
##      Median           134
##      Standard deviation  60.3
##      Minimum          99.0
##      Maximum          268
## -----
##
##
## $`Flug: Berlin-EZY`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40              40

```

```

##      Missing              0              0
##      Mean                68.2
##      Median              64.5
##      Standard deviation   13.2
##      Minimum             48.0
##      Maximum             90.0
## -----
##
##
## $`Flug: Lissabon-LDM`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40          40
##      Missing         0          0
##      Mean           141
##      Median          125
##      Standard deviation 49.9
##      Minimum         89.0
##      Maximum         239
## -----
##
##
## $`Flug: London-BAW`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40          40
##      Missing         0          0
##      Mean           119
##      Median          119
##      Standard deviation 10.6
##      Minimum         108
##      Maximum         146
## -----
##
##
## $`Flug: Bangkok-THA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40          40

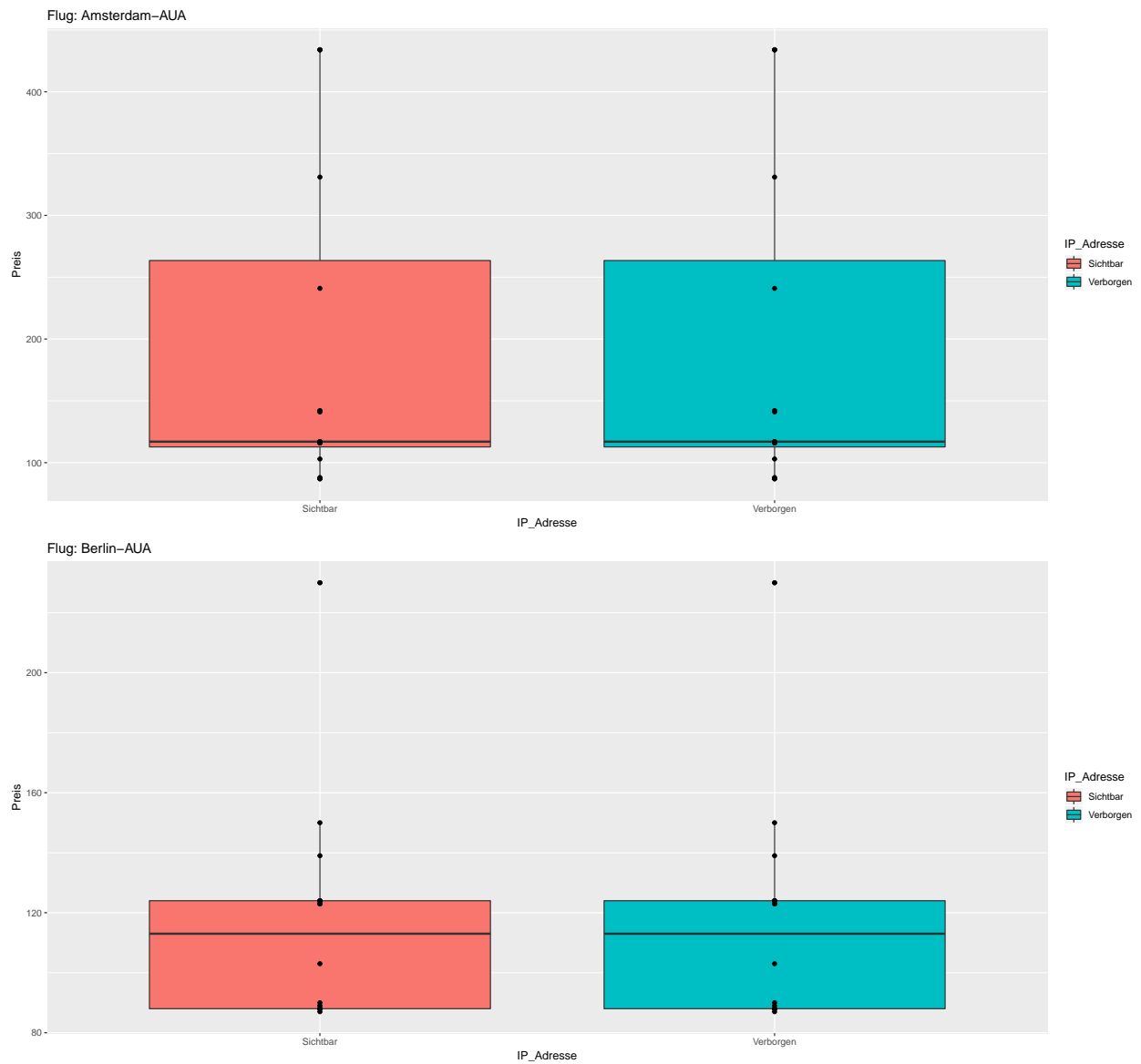
```

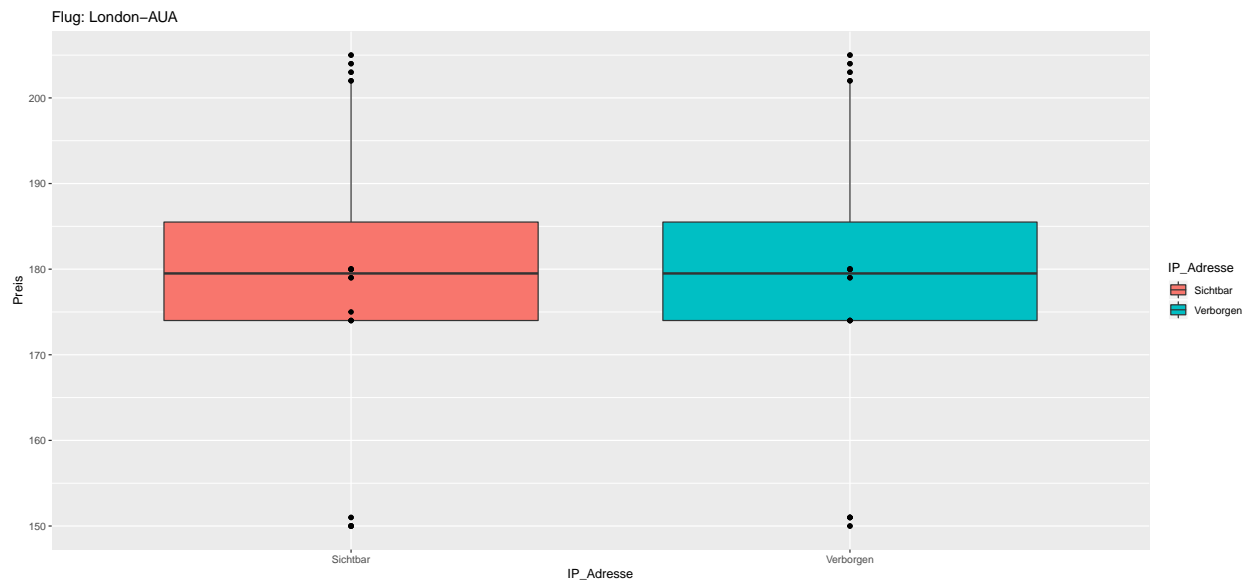
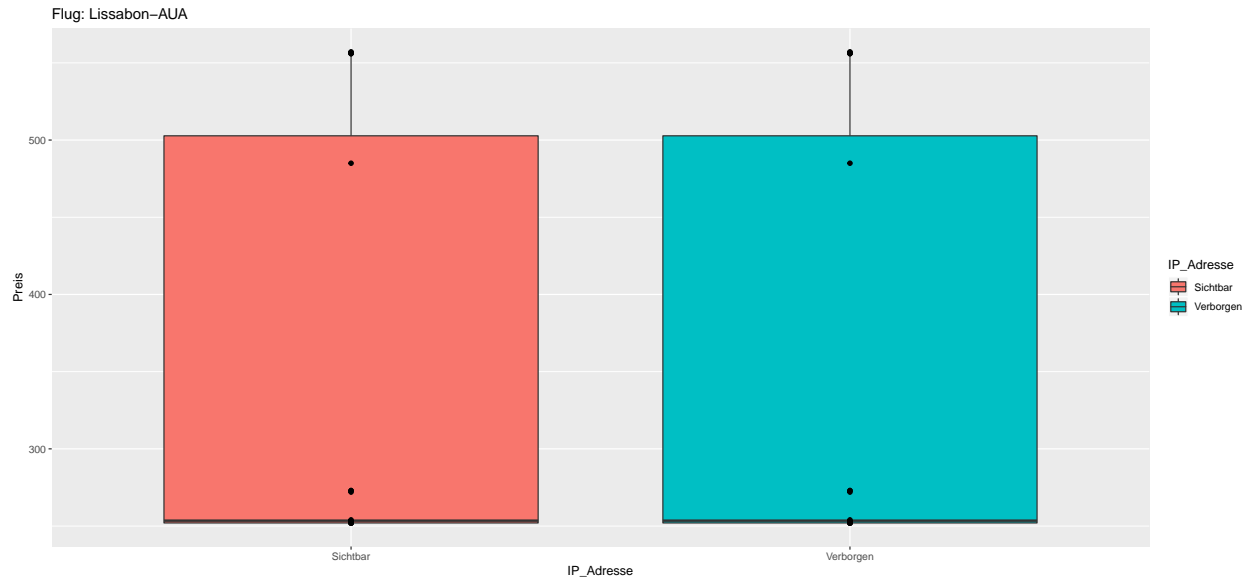
```

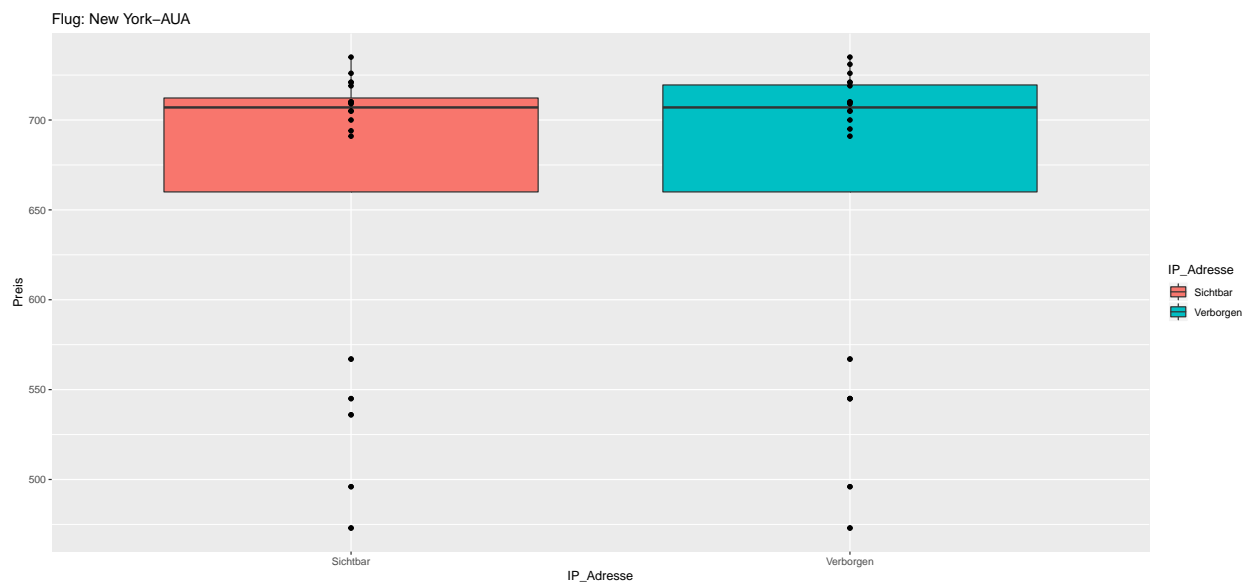
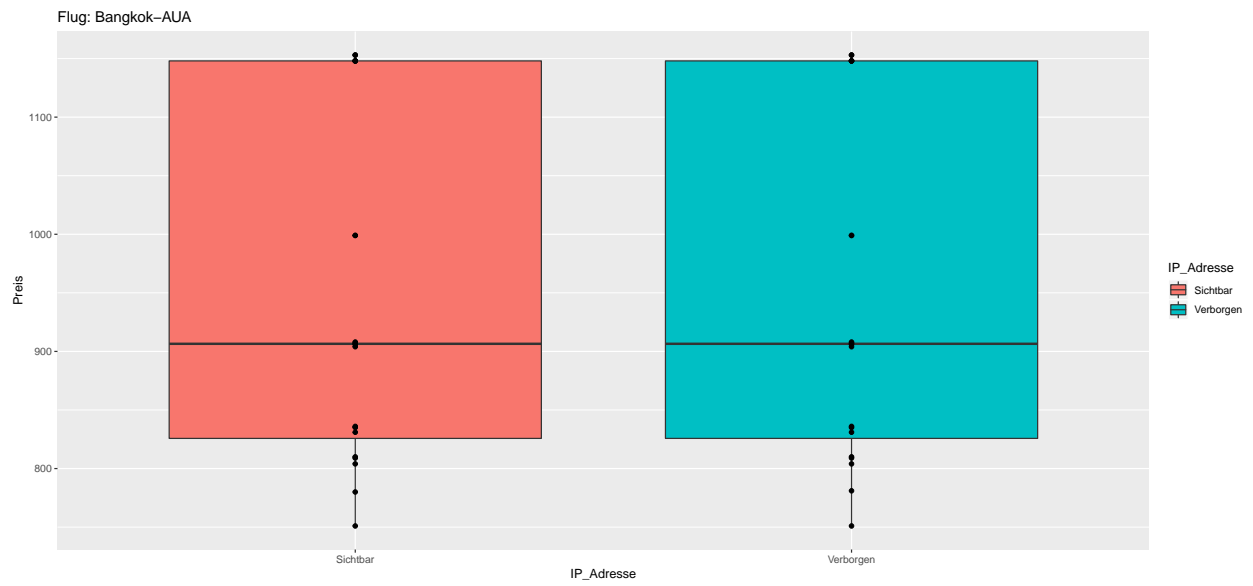
##      Missing              0              0
##      Mean                1076
##      Median              1077
##      Standard deviation   127
##      Minimum              864
##      Maximum             1316
## -----
##
##
## $`Flug: New York-UAL`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40              40
##      Missing         0              0
##      Mean            708
##      Median           745
##      Standard deviation  84.6
##      Minimum          512
##      Maximum          767
## -----
##
##
## $`Flug: Tokio-ANA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      IP_Adresse
## -----
##      N              40              40
##      Missing         0              0
##      Mean            1156
##      Median           828
##      Standard deviation  664
##      Minimum          646
##      Maximum          2313
## -----

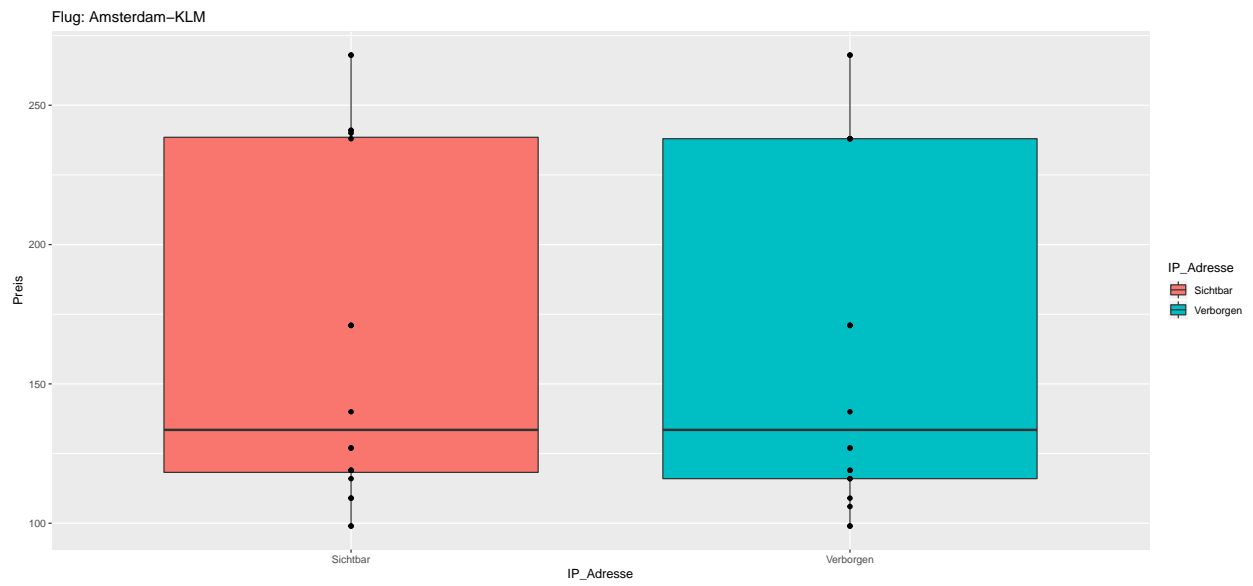
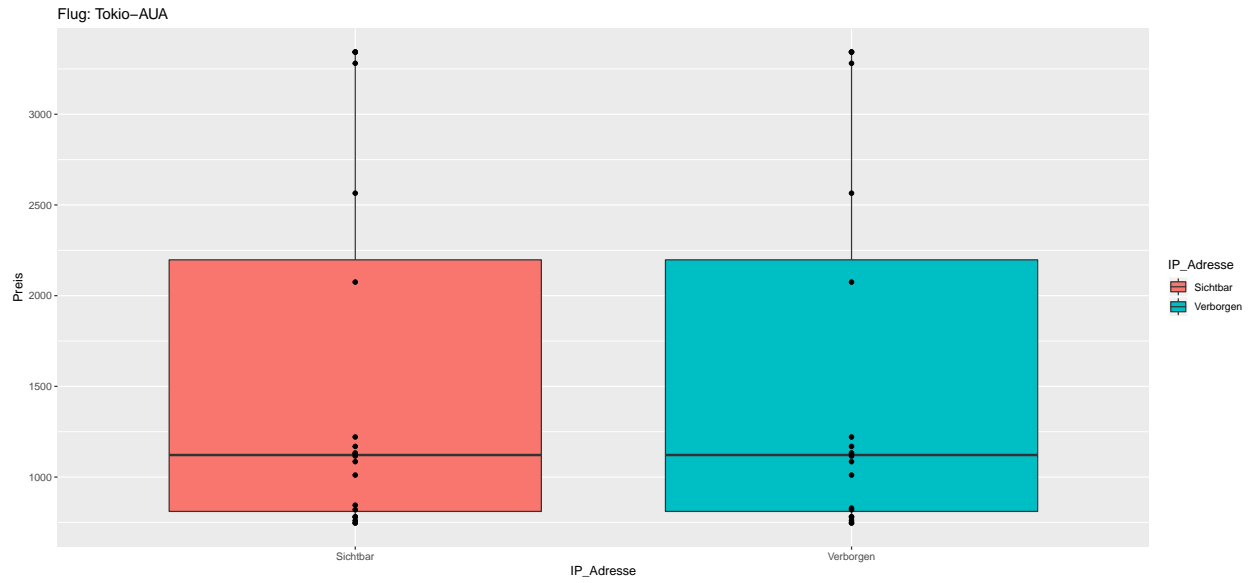
```

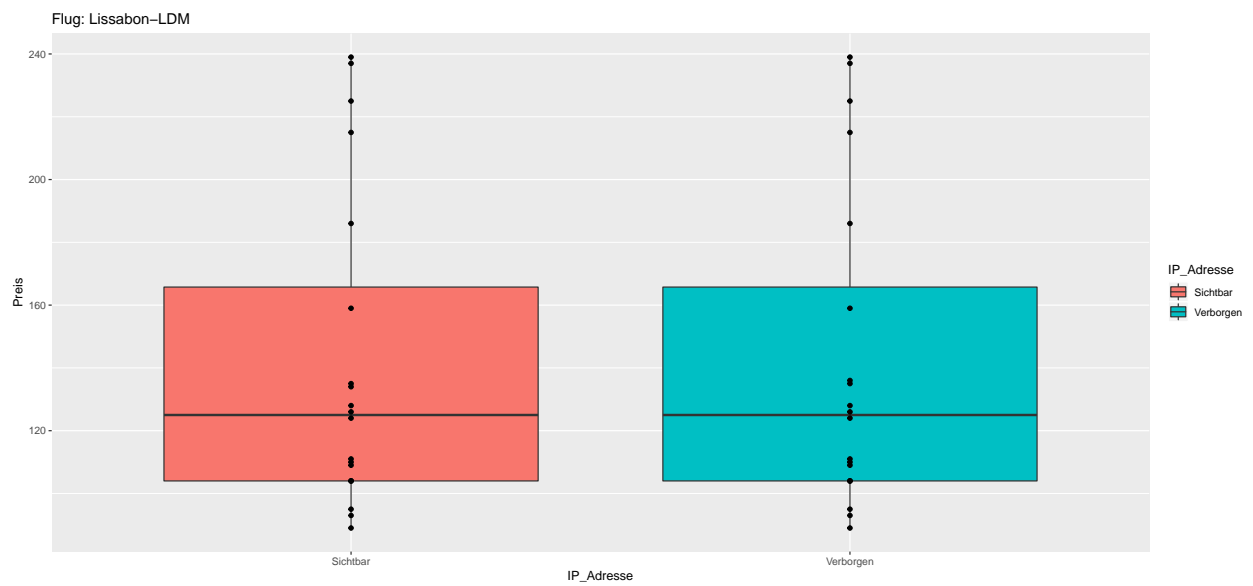
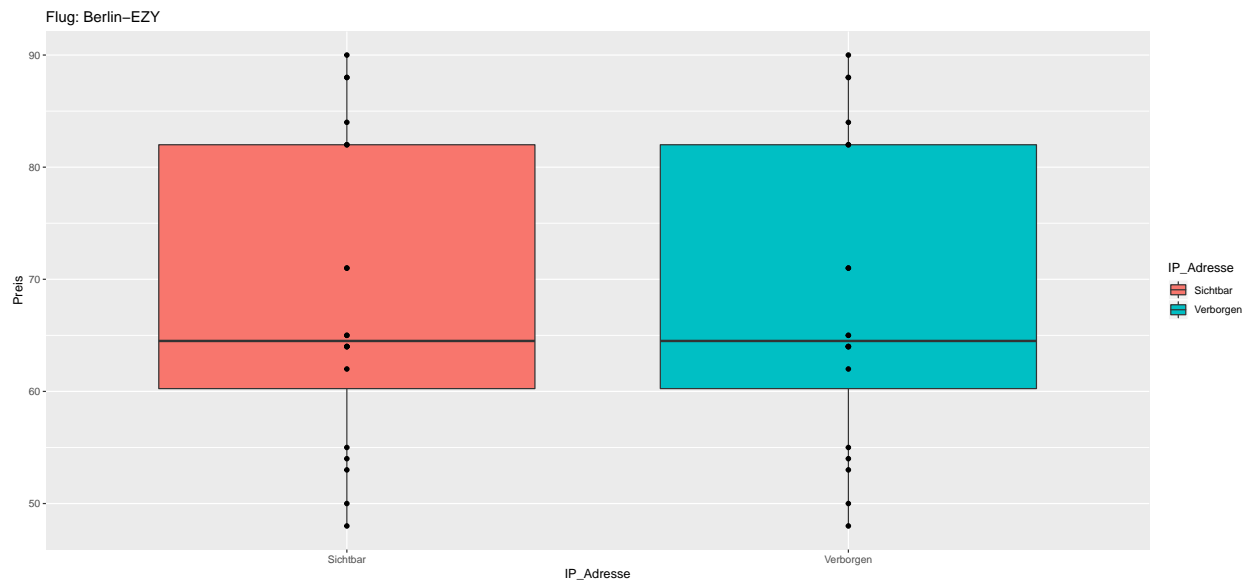
Box-Plot - Einzelflüge

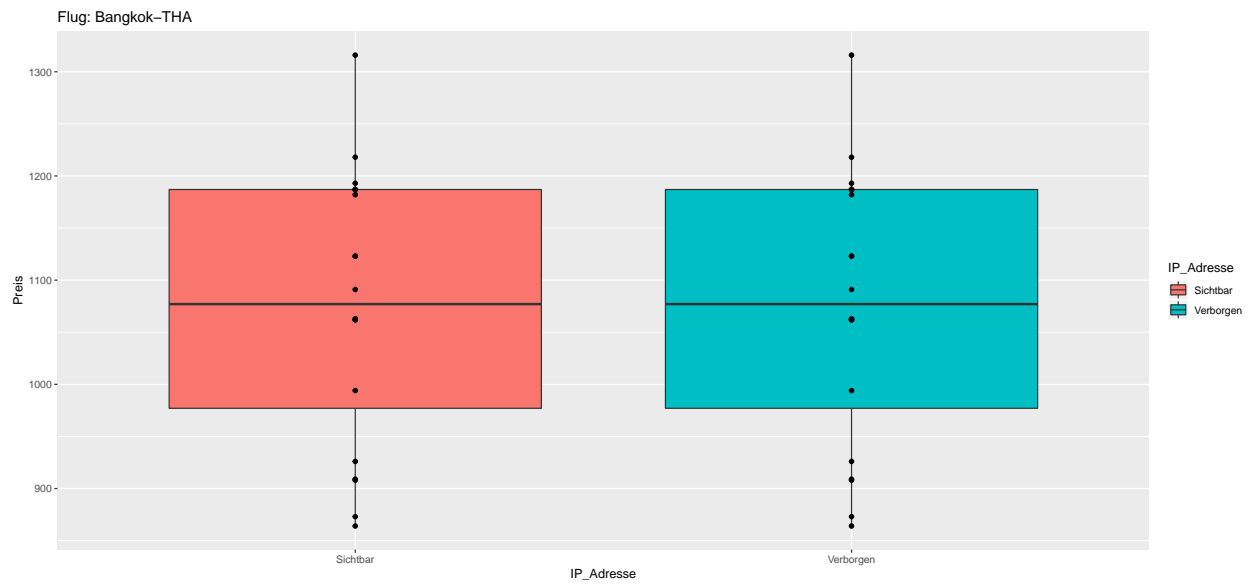
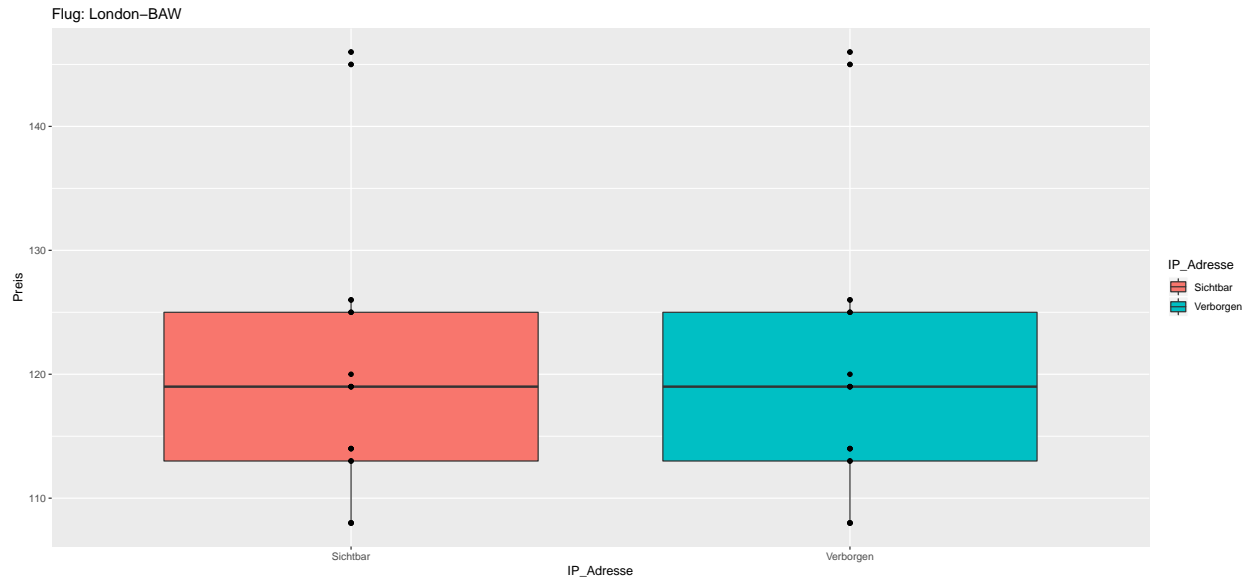


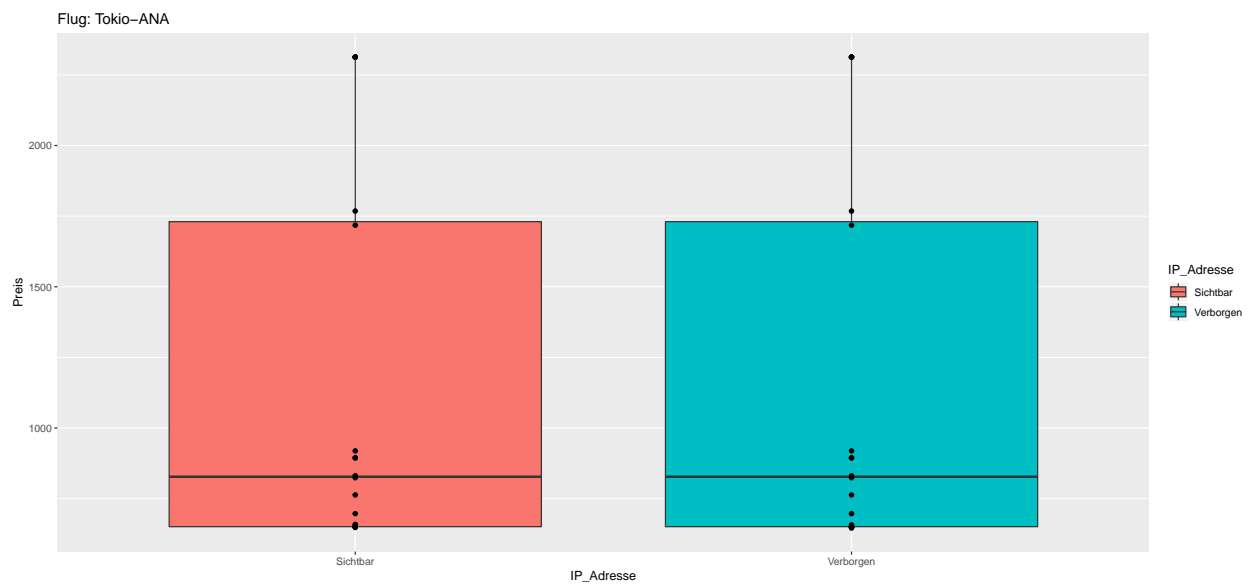
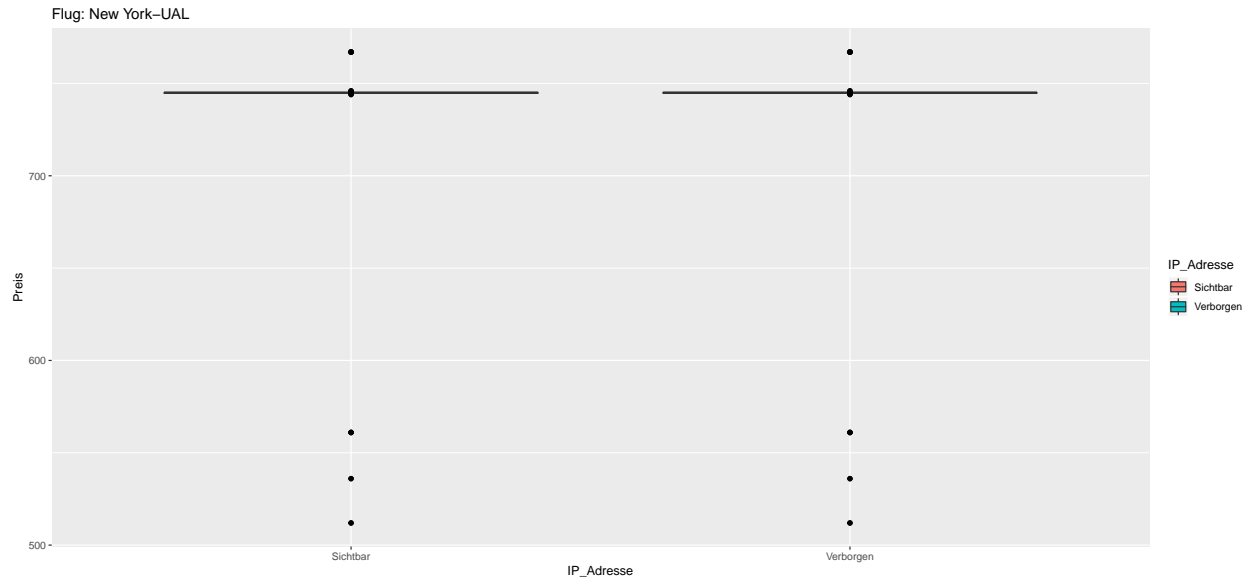












ANOVA

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

```
##
```

```
## ANOVA
```

```
##
```

```
## ANOVA
```

```
##
```

	Sum of Squares	df	Mean Square	F	p	<U+03B7> ² p
IP_Adresse	0.00	1	0.00	3.95e-31	1.000	0.000
Residuals	698994.40	38	18394.59			

```
##
```

```
##
```

```
## ESTIMATED MARGINAL MEANS
```

```

##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        194      30.3      133        256
##      Verborgen        194      30.3      133        256
## -----
##
##
## $`Flug: Berlin-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p              <U+03B7>²p
## -----
##      IP_Adresse              0.00      1              0.00      1.31e-30      1.000      0.000
##      Residuals            44216.00      38              1163.58
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        114      7.63      98.6        129
##      Verborgen        114      7.63      98.6        129
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p              <U+03B7>²p
## -----
##      IP_Adresse              0.00      1              0.00      1.09e-32      1.000      0.000
##      Residuals            705783.60      38              18573.25
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE

```

```

##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        343      30.5      281        405
##      Verborgen        343      30.5      281        405
## -----
##
##
## $`Flug: London-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      IP_Adresse              0.0250      1              0.0250      7.56e-5      0.993      0.000
##      Residuals            12565.3500      38              330.6671
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        179      4.07      170        187
##      Verborgen        179      4.07      170        187
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      IP_Adresse              0.0250      1              0.0250      1.13e-6      0.999      0.000
##      Residuals            842372.3500      38              22167.6934
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse

```

```

## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        949      33.3      881      1016
##      Verborgen       949      33.3      882      1016
## -----
##
##
## $`Flug: New York-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      IP_Adresse              24.0      1              24.0      0.00326      0.955      0.000
##      Residuals             279838.7      38              7364.2
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        664      19.2      625      703
##      Verborgen       666      19.2      627      705
## -----
##
##
## $`Flug: Tokio-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>2p
## -----
##      IP_Adresse              5.62      1              5.62      5.51e-6      0.998      0.000
##      Residuals             3.88e+7      38             1020134.56
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper

```

```

## -----
##      Sichtbar      1565      226      1107      2022
##      Verborgen     1564      226      1107      2021
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p              <U+03B7>²p
## -----
##      IP_Adresse           4.90       1           4.90      0.00132      0.971      0.000
##      Residuals          141568.60     38          3725.49
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        165      13.6      137      192
##      Verborgen       164      13.6      136      192
## -----
##
##
## $`Flug: Berlin-EZY`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p              <U+03B7>²p
## -----
##      IP_Adresse           0.00       1           0.00     9.97e-31      1.000      0.000
##      Residuals          6762.40     38          177.96
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar        68.2      2.98      62.2      74.2

```



```

##      Verborgen      68.2      2.98      62.2      74.2
## -----
##
##
## $`Flug: Lissabon-LDM`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p      <U+03B7>²p
## -----
##      IP_Adresse              0.100      1              0.100      3.91e-5      0.995      0.000
##      Residuals            97139.500      38            2556.303
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar          141      11.3      118      164
##      Verborgen          141      11.3      119      164
## -----
##
##
## $`Flug: London-BAW`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F              p      <U+03B7>²p
## -----
##      IP_Adresse              0.00      1              0.00      1.09e-31      1.000      0.000
##      Residuals            4405.90      38            115.94
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##      IP_Adresse      Mean      SE      Lower      Upper
## -----
##      Sichtbar          119      2.41      115      124
##      Verborgen          119      2.41      115      124
## -----
##

```

```

##
##
## $`Flug: Bangkok-THA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   IP_Adresse             0.00     1             0.00    6.98e-30    1.000    0.000
##   Residuals          633074.00    38          16659.84
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##   IP_Adresse    Mean    SE    Lower    Upper
## -----
##   Sichtbar      1077    28.9    1018    1135
##   Verborgen     1077    28.9    1018    1135
## -----
##
##
## $`Flug: New York-UAL`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   IP_Adresse             0.00     1             0.00    2.01e-29    1.000    0.000
##   Residuals          278918.40    38          7339.96
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##   IP_Adresse    Mean    SE    Lower    Upper
## -----
##   Sichtbar       708    19.2    669    747
##   Verborgen      708    19.2    669    747
## -----
##
##

```

```

## $`Flug: Tokio-ANA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##   IP_Adresse           0.900      1          0.900    1.99e-6    0.999    0.000
##   Residuals          1.72e+7     38    452956.092
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## IP_ADRESSE
##
## Estimated Marginal Means - IP_Adresse
## -----
##   IP_Adresse    Mean    SE    Lower    Upper
## -----
##   Sichtbar      1156    150     851    1461
##   Verborgen     1156    150     851    1460
## -----

```