

Hypothese 4

Silas Nöttling

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Deskriptive Statistik - Einzelflüge

```
## $`Flug: Amsterdam-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##               Preis      Device
## -----
##      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      Device
## -----
##      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      Device
## -----
##      N              40        40
```

```

##      Missing              0          0
##      Mean                257
##      Median              253
##      Standard deviation   8.17
##      Minimum             252
##      Maximum             273
## -----
##
##
## $`Flug: London-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Device
## -----
##      N              40       40
##      Missing        0        0
##      Mean           144
##      Median          150
##      Standard deviation 37.8
##      Minimum         105
##      Maximum         204
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Device
## -----
##      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      Device
## -----
##      N              40       40

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```

##      Missing                0          0
##      Mean                  592
##      Median                 553
##      Standard deviation     104
##      Minimum                473
##      Maximum                738
## -----
##
##
## $`Flug: Tokio-AUA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Device
## -----
##      N              40        40
##      Missing         0         0
##      Mean            848
##      Median           823
##      Standard deviation 116
##      Minimum          747
##      Maximum         1169
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Device
## -----
##      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      Device
## -----
##      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      Device
## -----
##      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      Device
## -----
##      N              40      40
##      Missing        0      0
##      Mean           111
##      Median          112
##      Standard deviation 3.07
##      Minimum         108
##      Maximum         119
## -----
##
##
## $`Flug: Bangkok-THA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Device
## -----
##      N              40      40

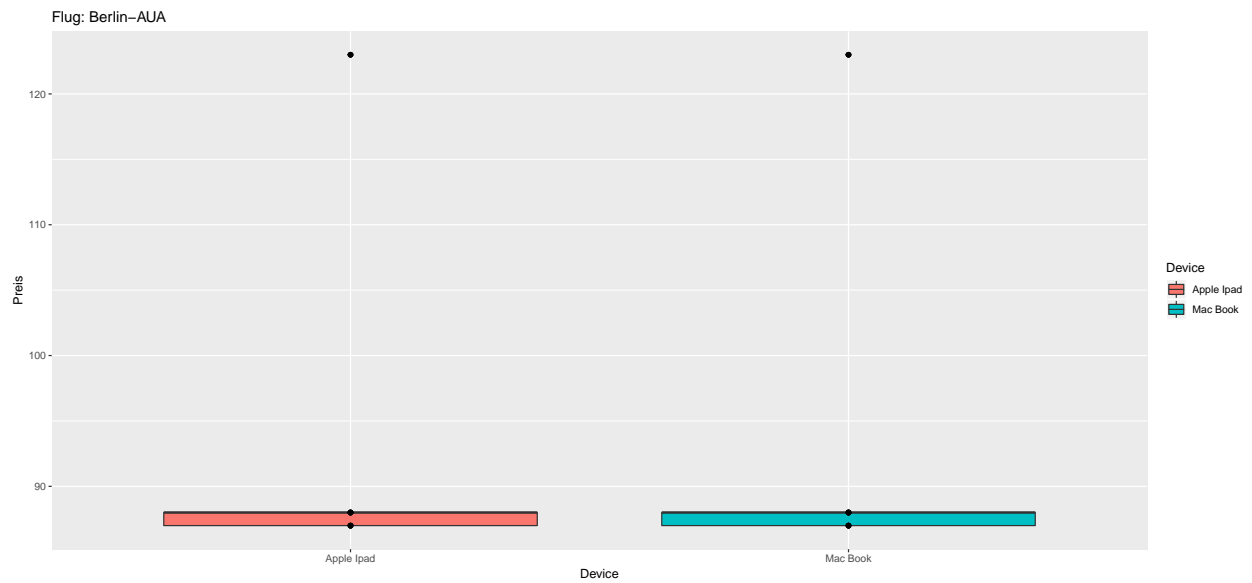
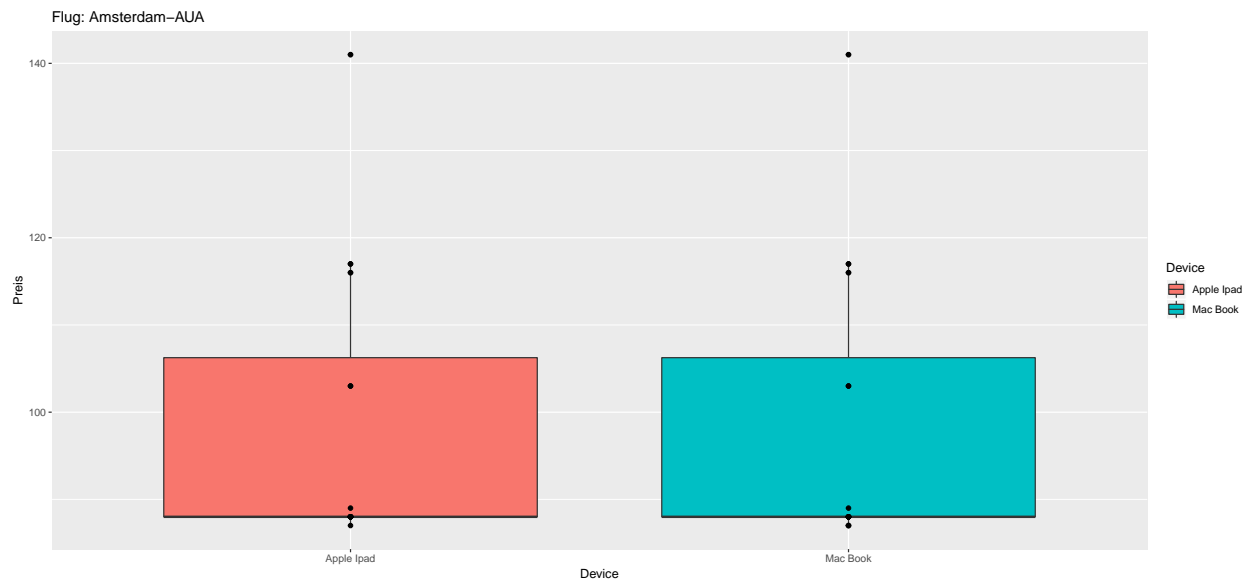
```

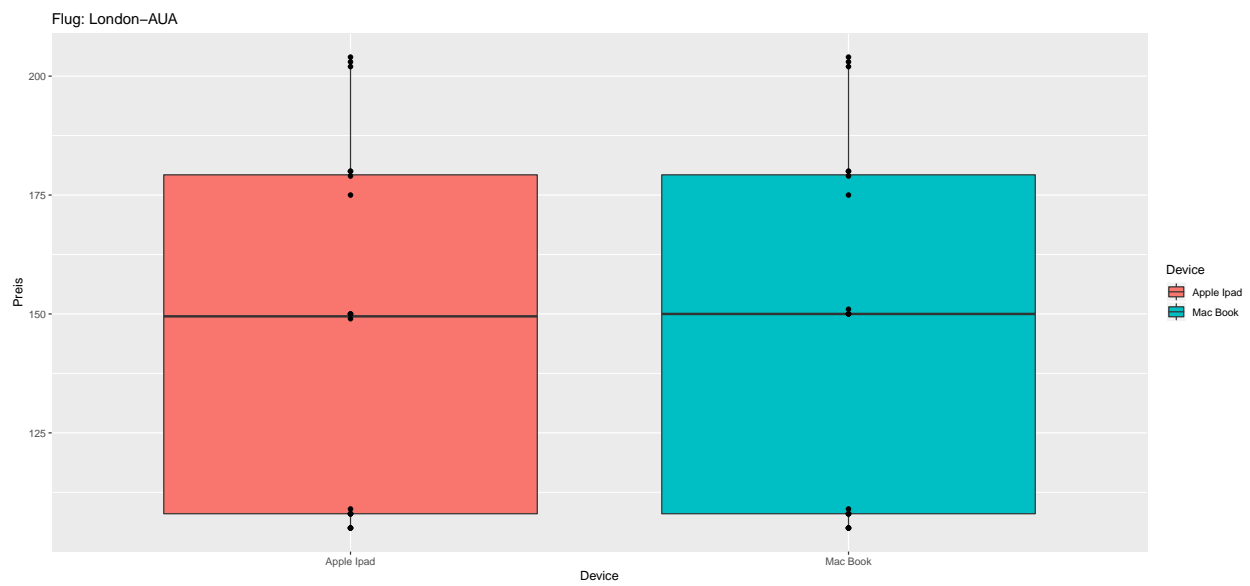
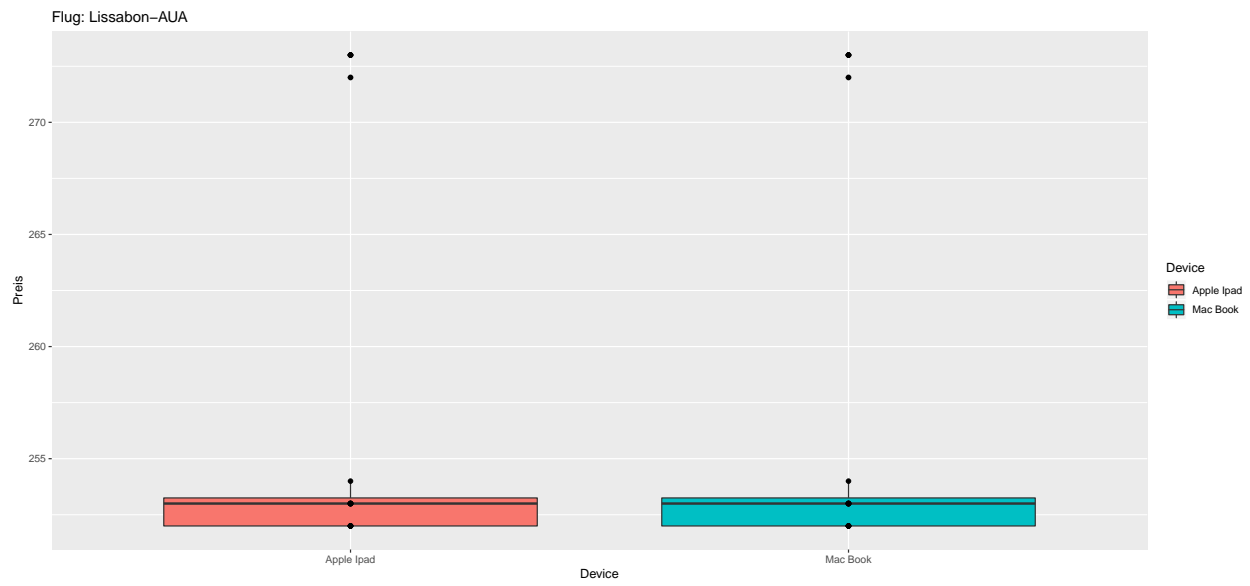
```

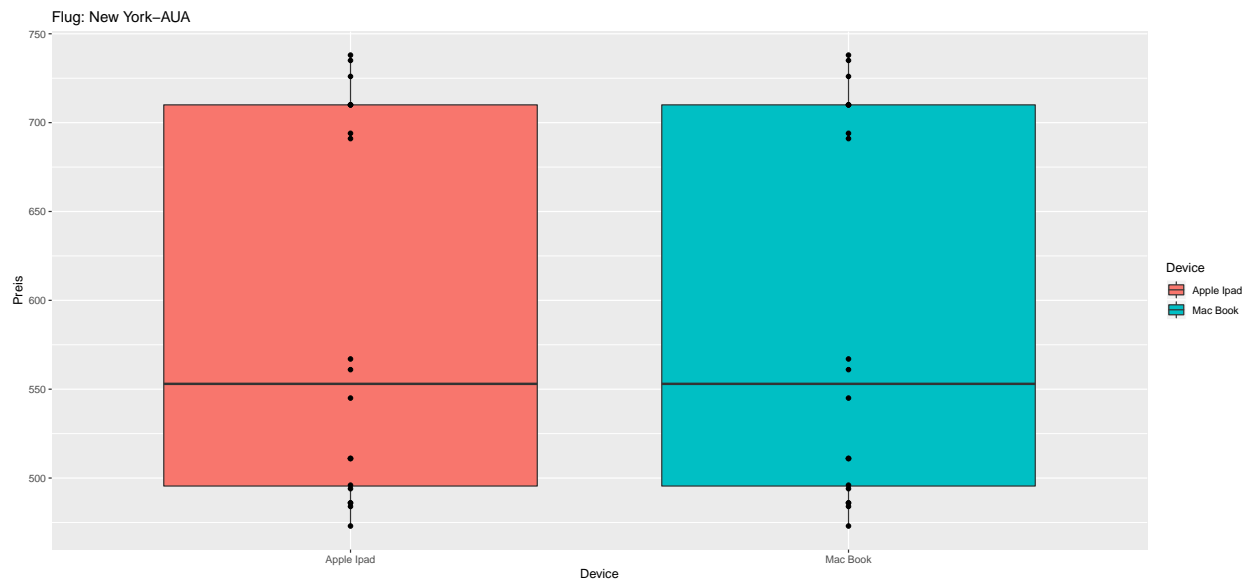
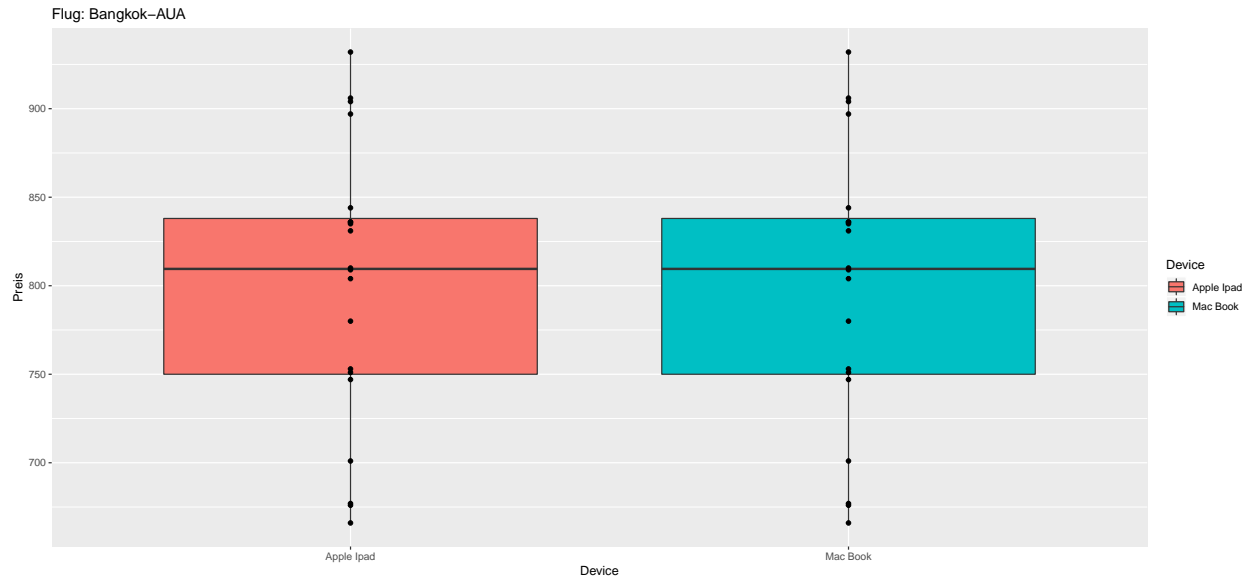
##      Missing              0          0
##      Mean                979
##      Median              967
##      Standard deviation   87.4
##      Minimum             864
##      Maximum             1193
## -----
##
##
## $`Flug: New York-UAL`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##      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

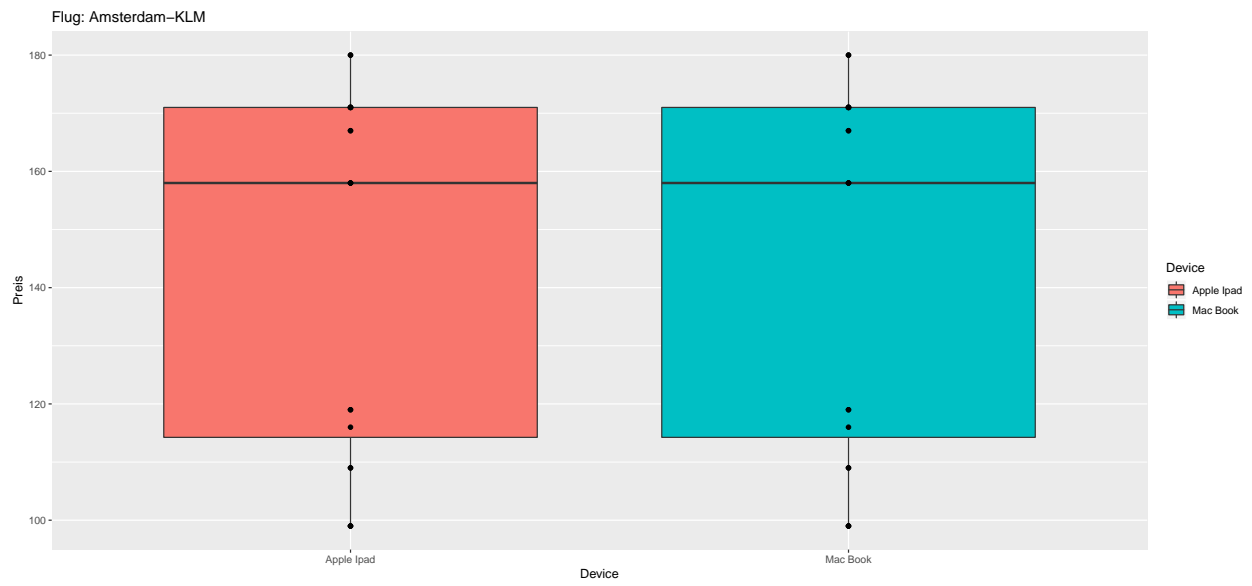
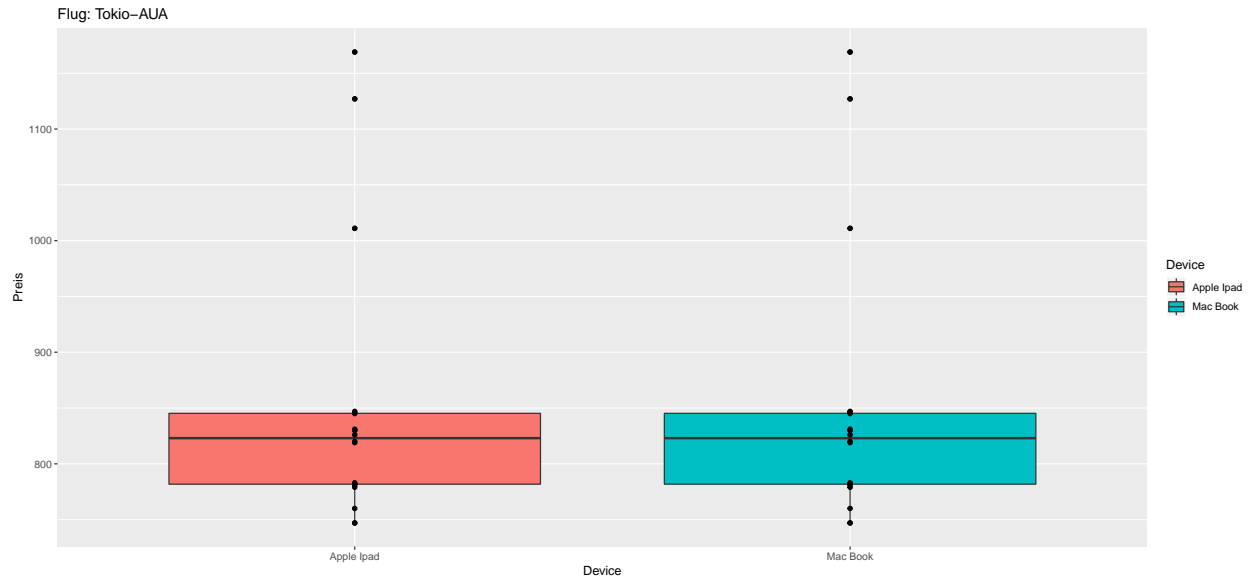
```

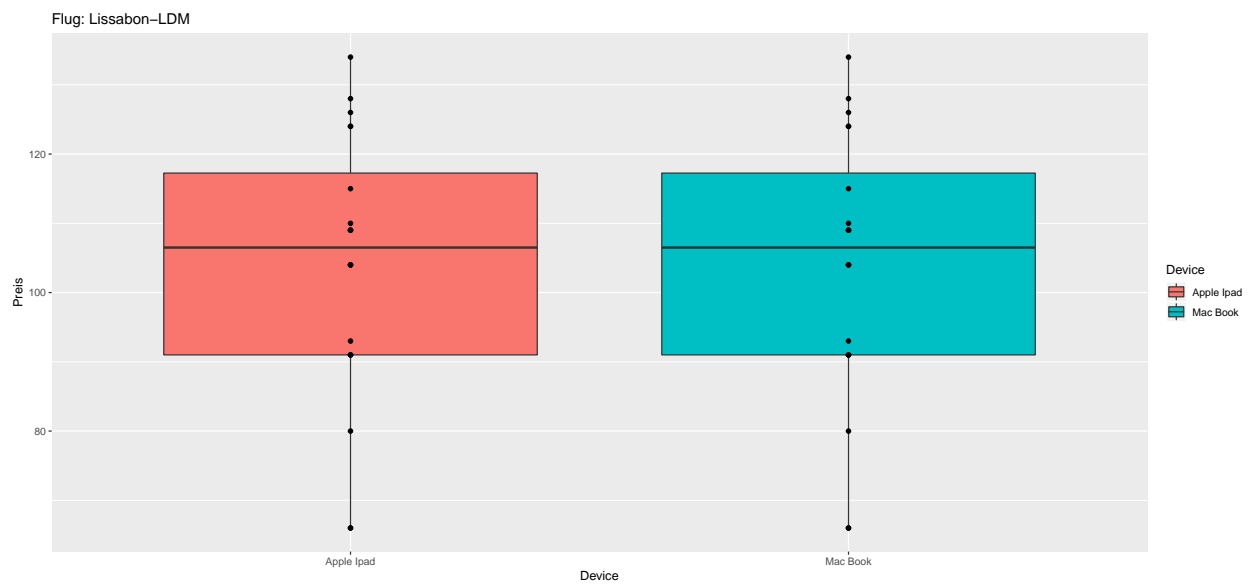
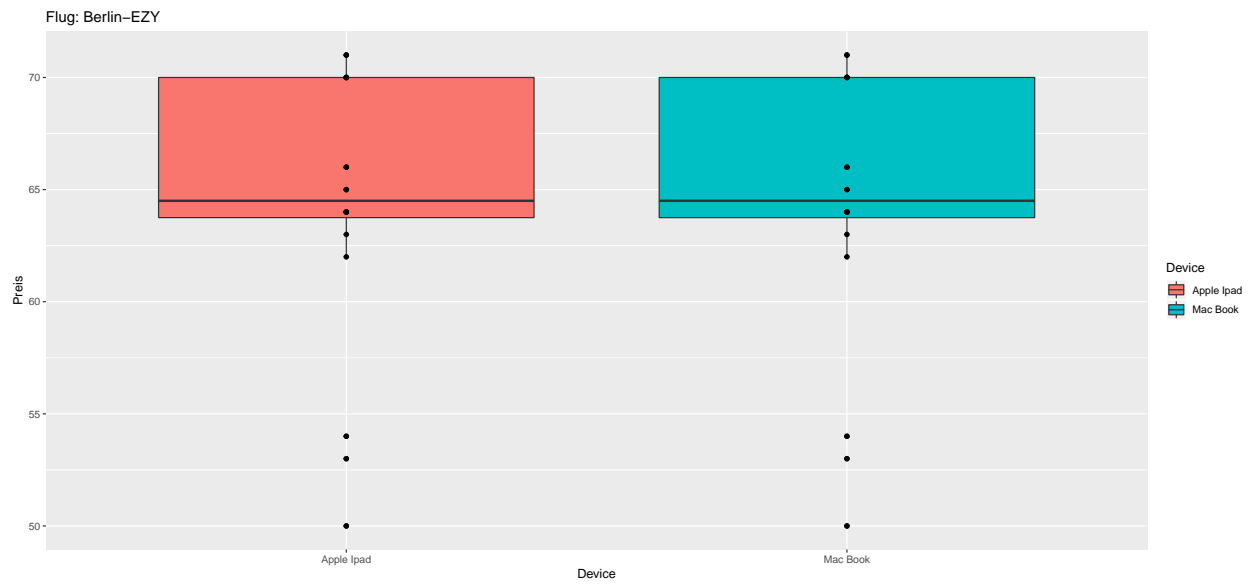
Box-Plot - Einzelflüge

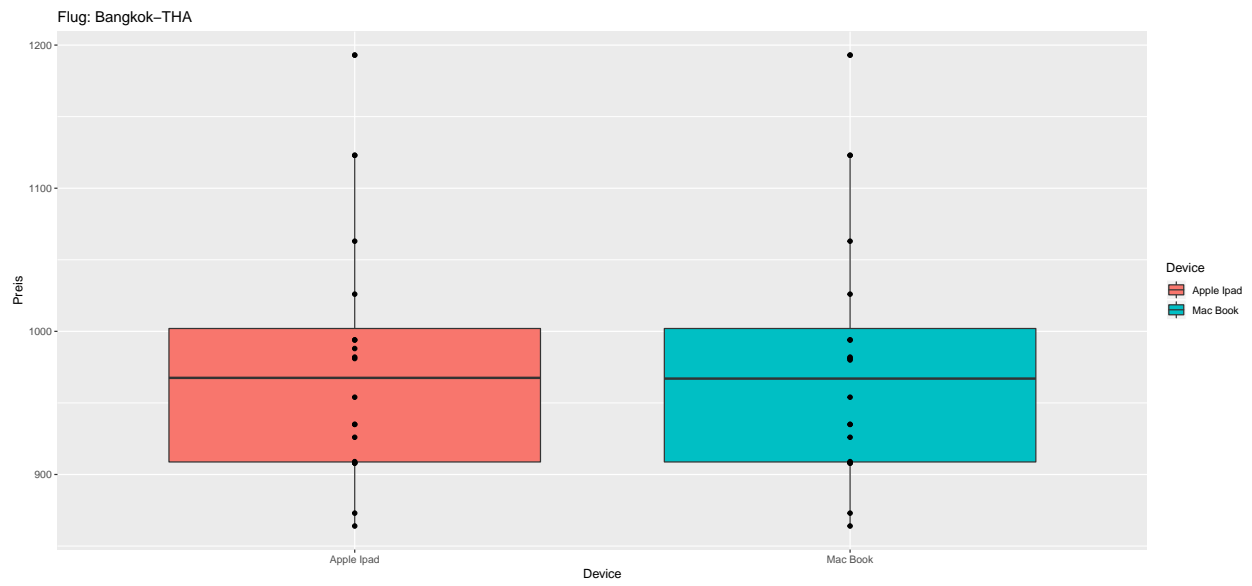
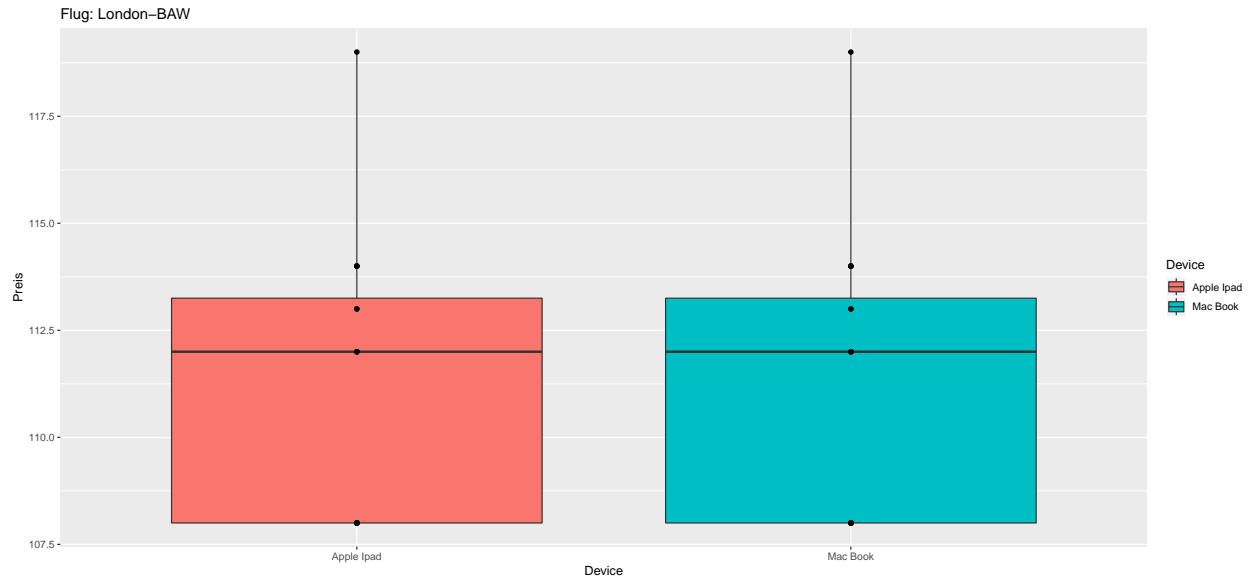


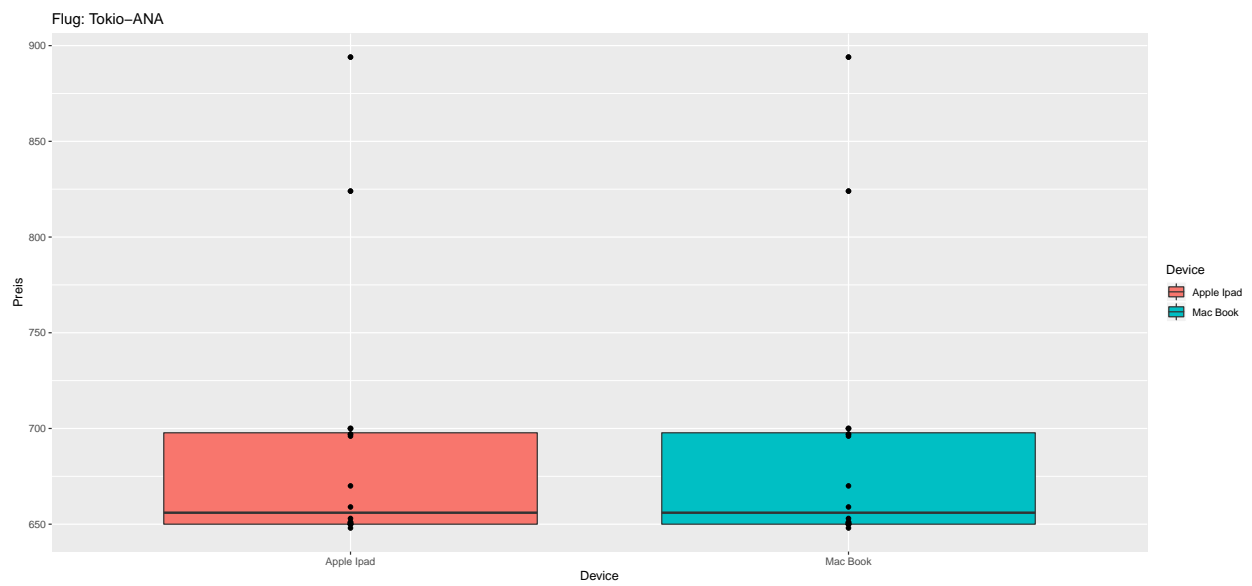
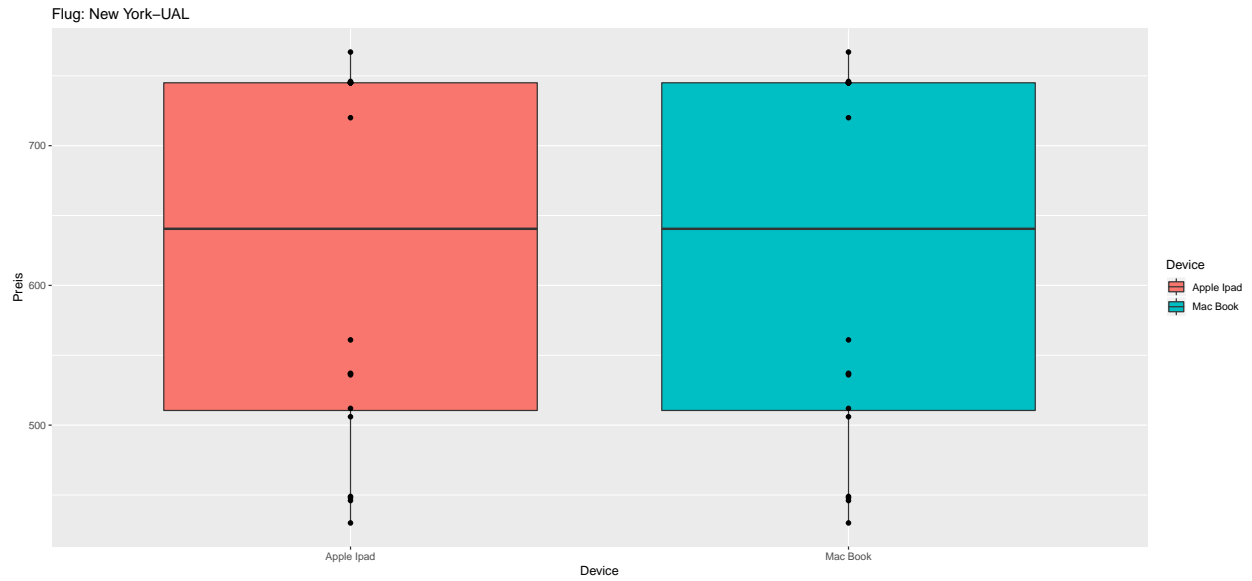












ANOVA

```
## $`Flug: Amsterdam–AUA`
```

```
##
```

```
## ANOVA
```

```
##
```

```
## ANOVA
```

```
##
```

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

```
##
```

```
##
```

```
## ESTIMATED MARGINAL MEANS
```

```

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

```

```

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

```

```

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

```

```

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

```



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

```

```

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

```

```

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

```