

Hypothese4

Silas Nöttling

19.4.2020

Deskriptive Statistik - Einzelflüge

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

```

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

```

```

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

```

```

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

```

```

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

```

\$`Flug: Lissabon-LDM`

##

DESCRIPTIVES

##

Descriptives

##

	Preis	Device
N	560	560
Missing	0	0
Mean	396	
Median	228	
Standard deviation	332	
Minimum	50.0	
Maximum	1193	

##

##

##

FREQUENCIES

##

Frequencies of Device

##

Levels	Counts	% of Total	Cumulative %
Apple Ipad	280	50.0	50.0
Mac Book	280	50.0	100.0

##

##

##

\$`Flug: London-BAW`

##

DESCRIPTIVES

##

Descriptives

##

	Preis	Device
N	560	560
Missing	0	0
Mean	396	
Median	228	
Standard deviation	332	
Minimum	50.0	
Maximum	1193	

##

##

##

FREQUENCIES

##

Frequencies of Device

##

Levels	Counts	% of Total	Cumulative %
Apple Ipad	280	50.0	50.0

```

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

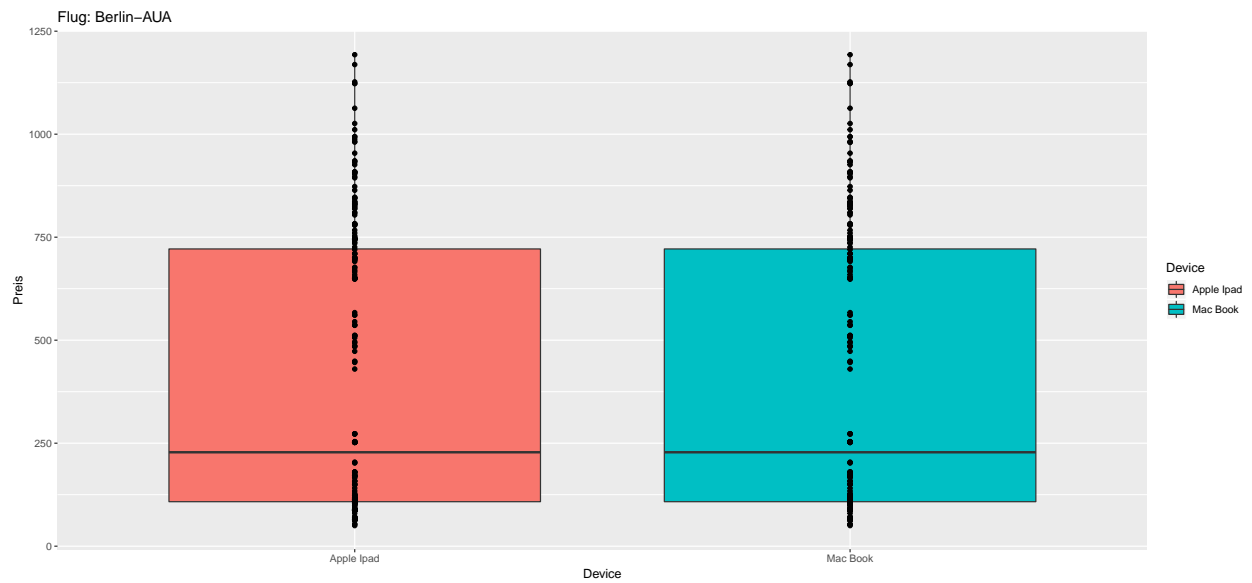
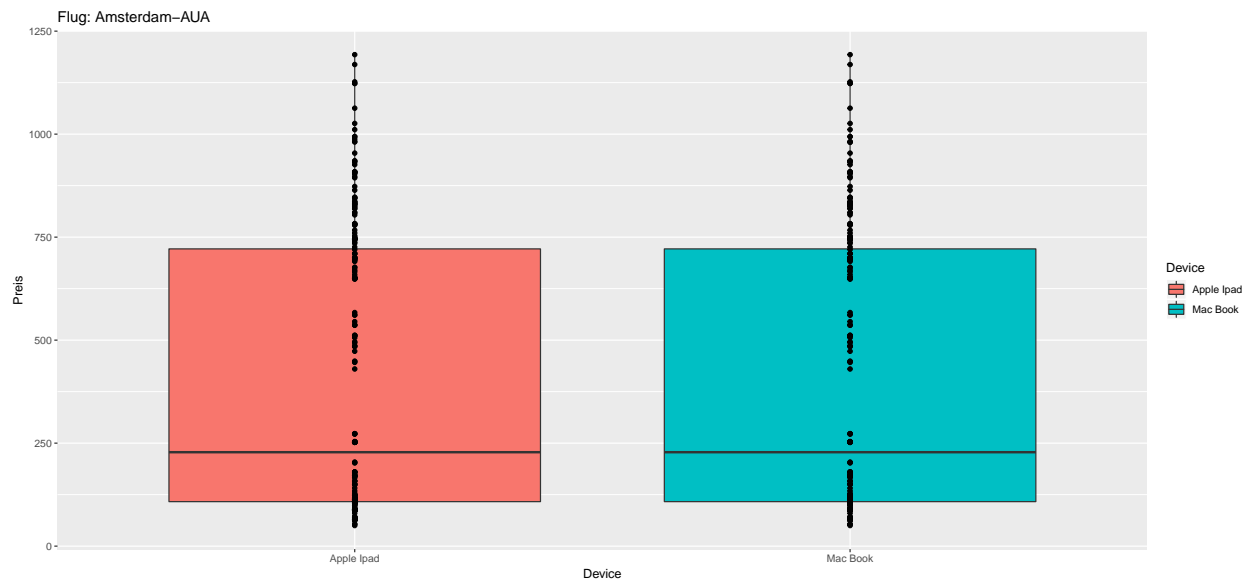
```

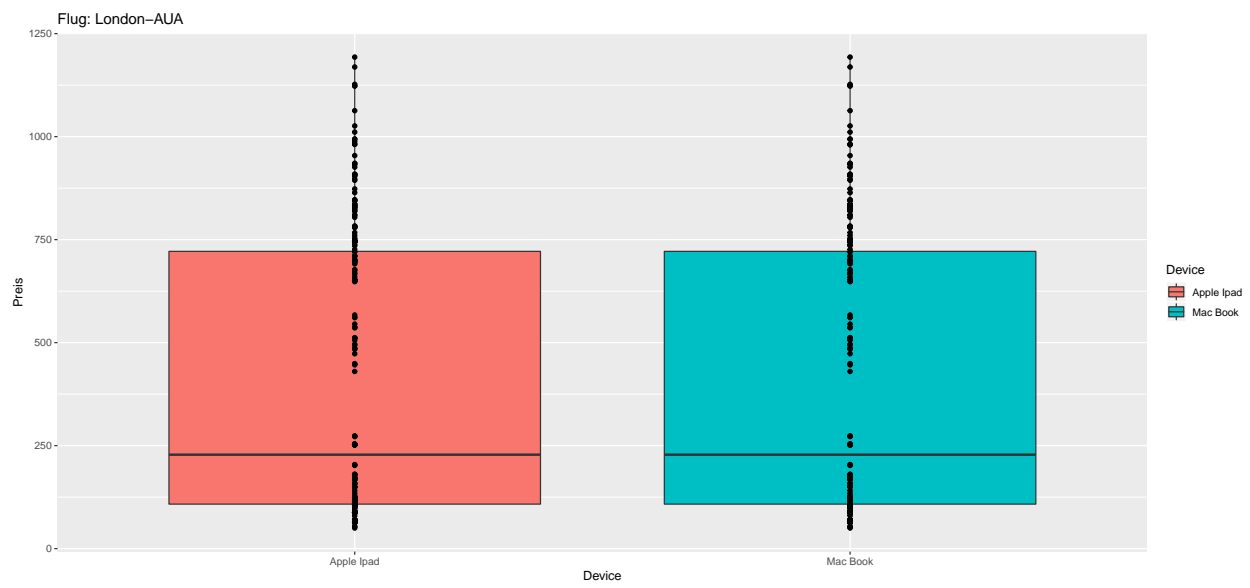
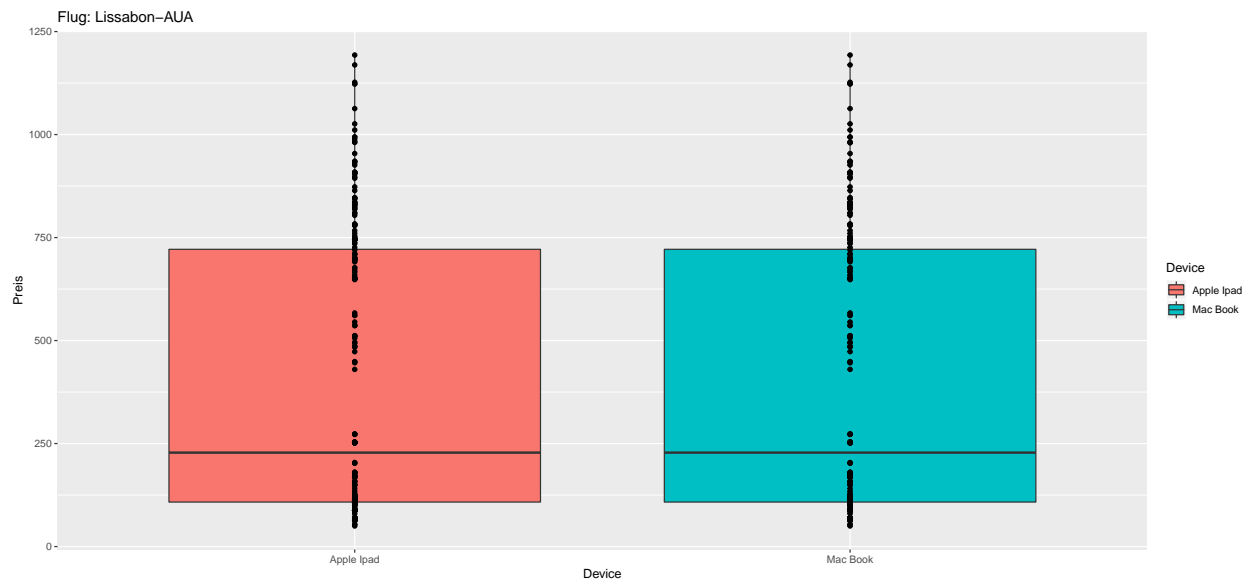
```

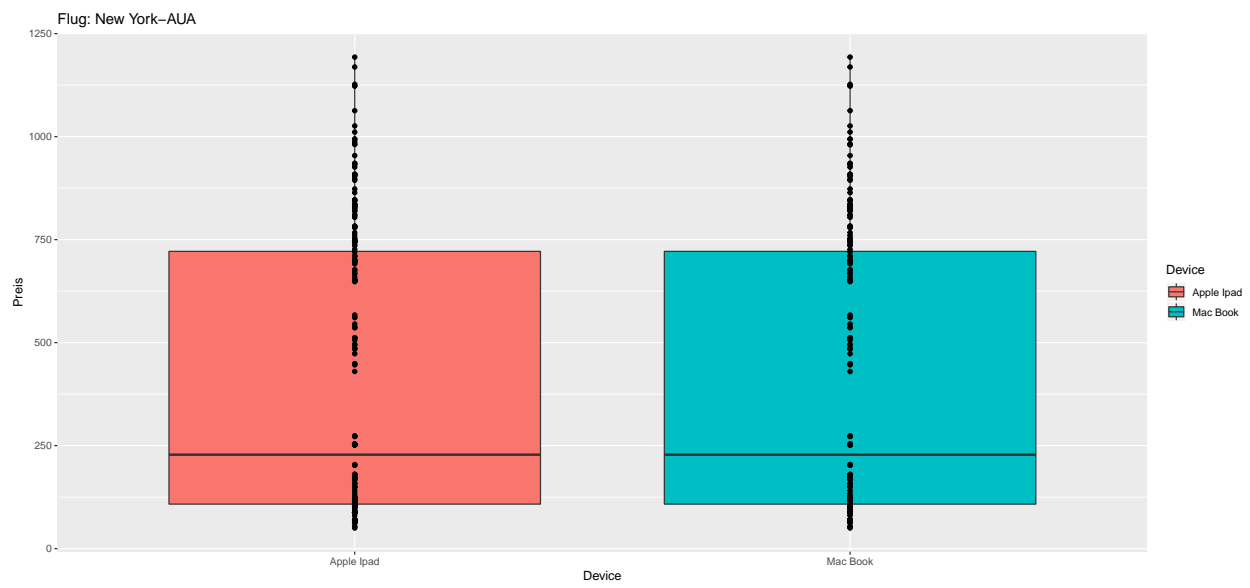
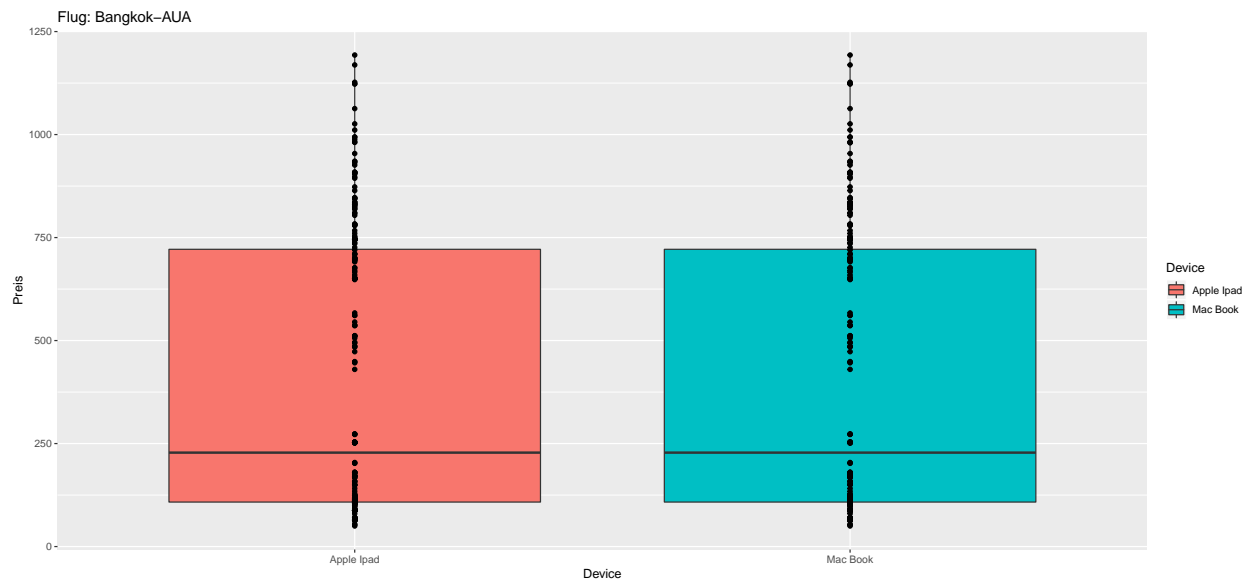
## -----
##      Levels      Counts      % of Total      Cumulative %
## -----
##      Apple Ipad      280      50.0      50.0
##      Mac Book      280      50.0      100.0
## -----
##
##
## $`Flug: Tokio-ANA`
##
## DESCRIPTIVES
##
## Descriptives
## -----
##              Preis      Device
## -----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

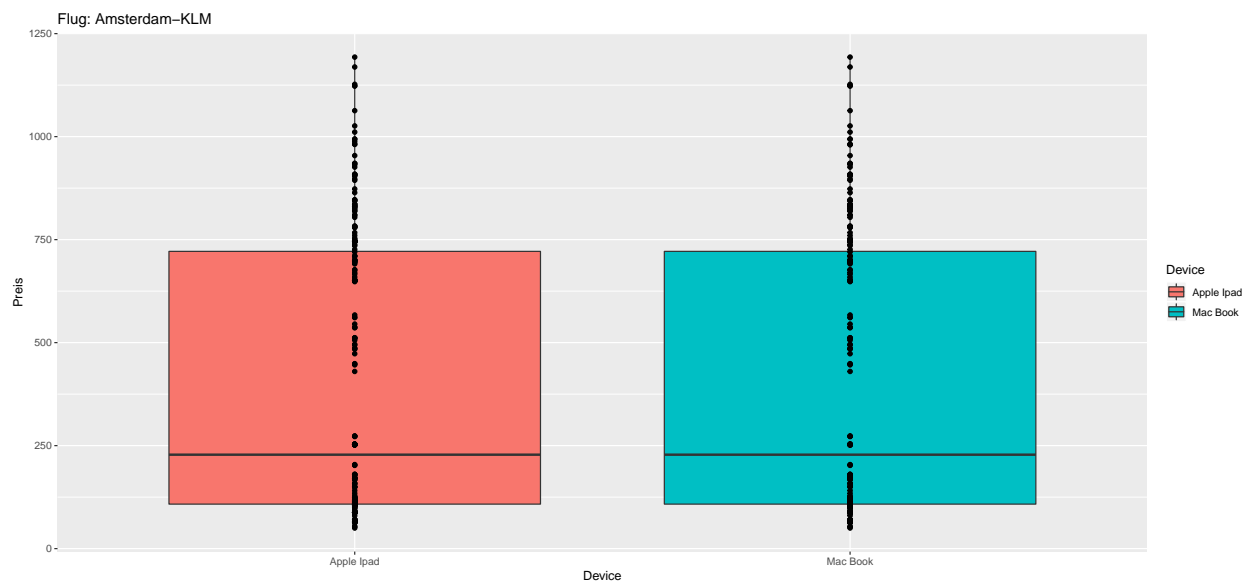
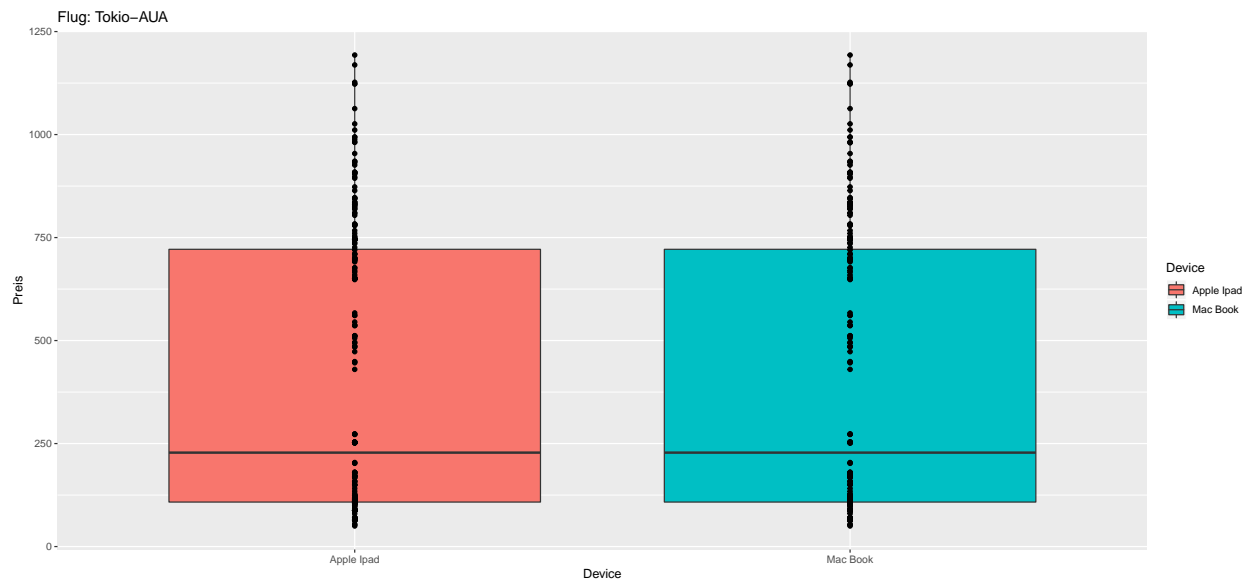
```

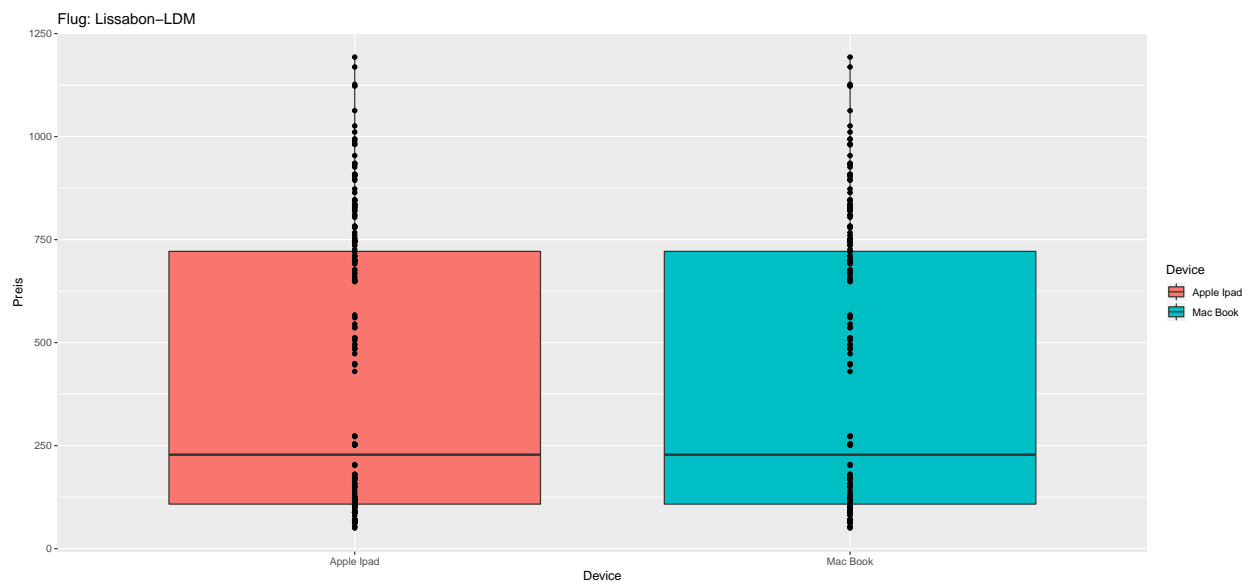
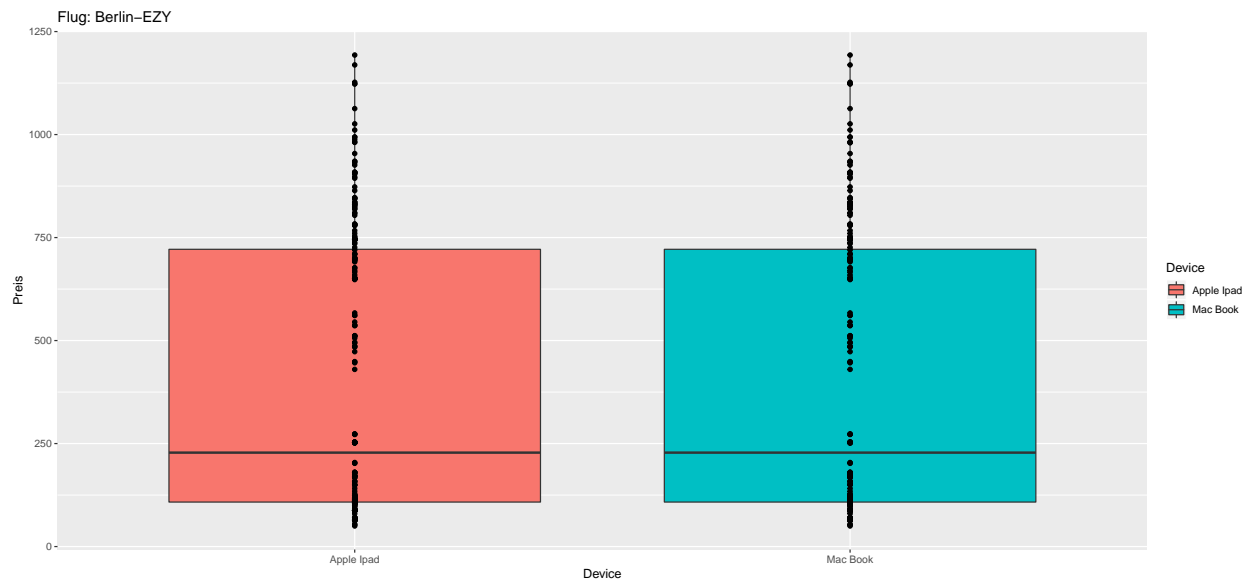

Box-Plot - Einzelflüge

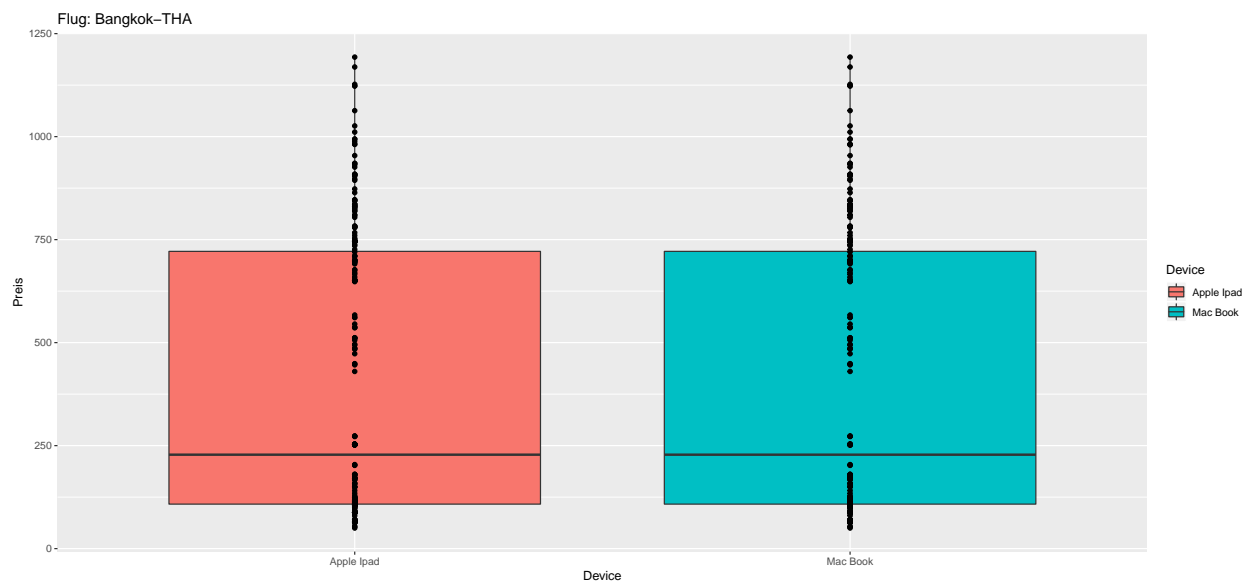
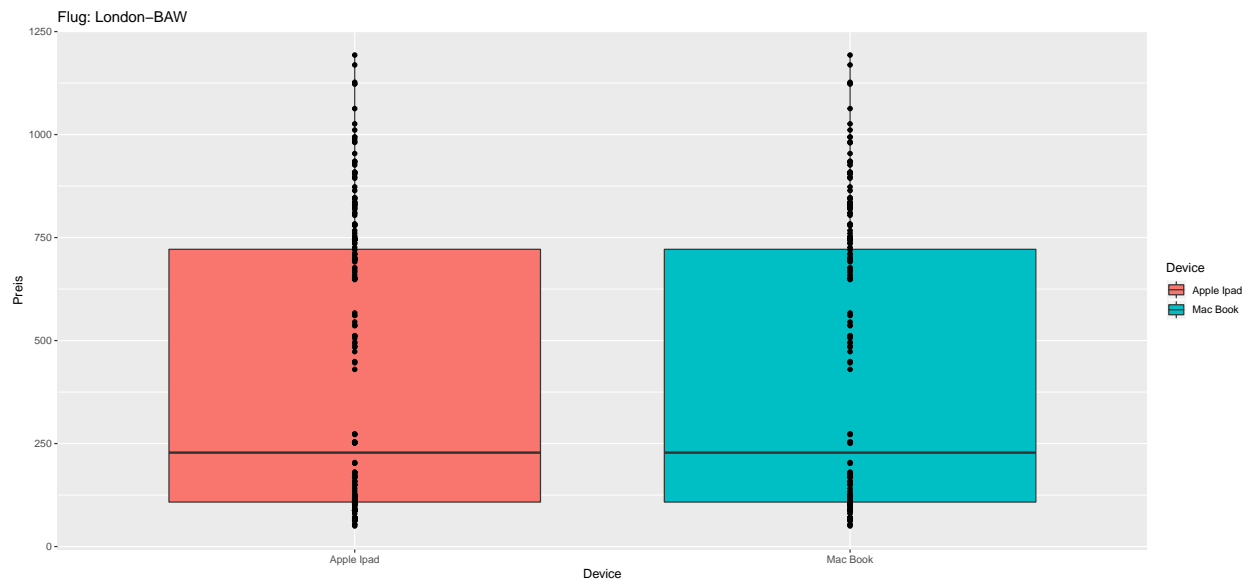


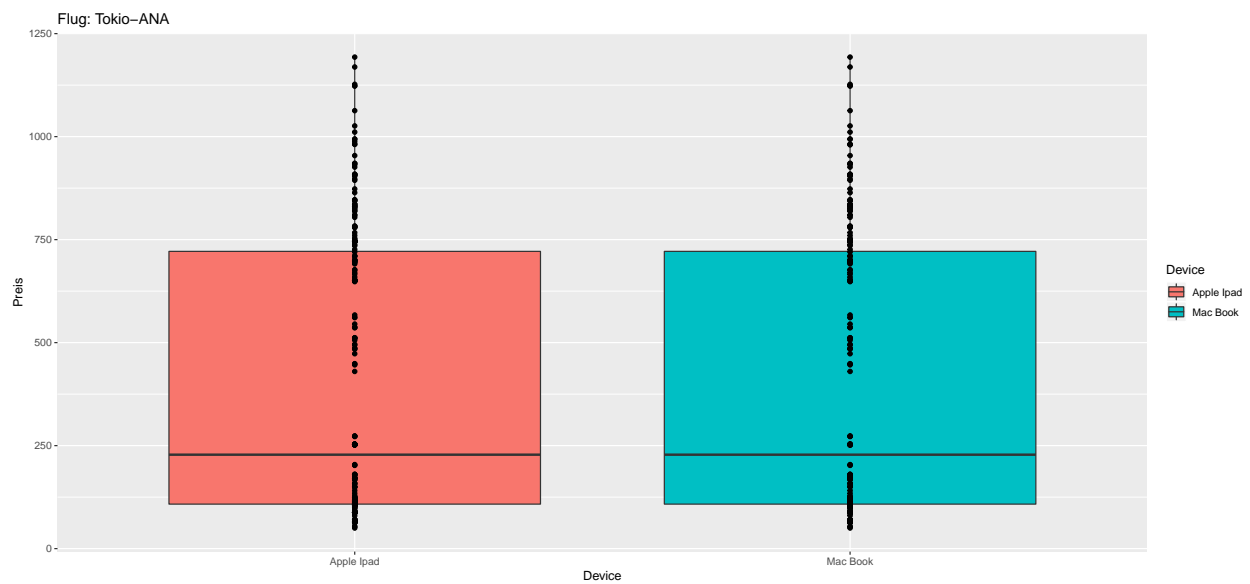
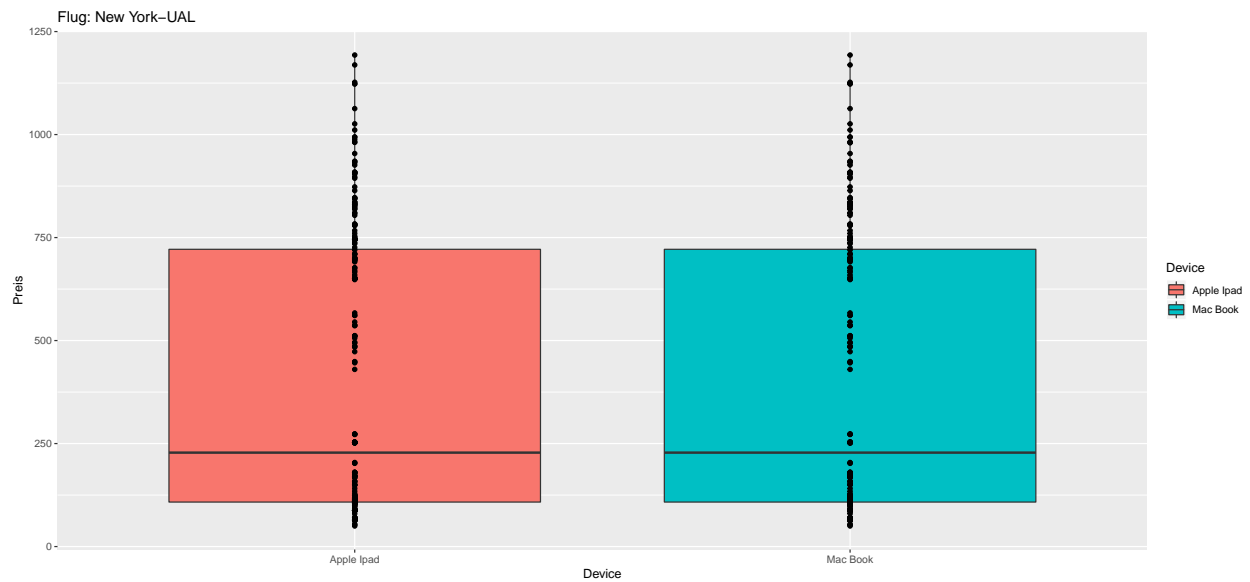












ANOVA

```
## $`Flug: Amsterdam–AUA`
```

```
##
```

```
## ANOVA
```

```
##
```

```
## ANOVA
```

```
##
```

	Sum of Squares	df	Mean Square	F	p	<U+03B7> ² p
Device	0.114	1	0.114	1.03e-6	0.999	0.000
Residuals	6.18e+7	558	110753.443			

```
##
```

```
##
```

```
## ESTIMATED MARGINAL MEANS
```

```

##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean    SE      Lower    Upper
## -----
##      Apple Ipad    396    19.9     357     435
##      Mac Book      396    19.9     357     435
## -----
##
##
## $`Flug: Berlin-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Device              0.114      1          0.114    1.03e-6    0.999    0.000
##      Residuals          6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean    SE      Lower    Upper
## -----
##      Apple Ipad    396    19.9     357     435
##      Mac Book      396    19.9     357     435
## -----
##
##
## $`Flug: Lissabon-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Device              0.114      1          0.114    1.03e-6    0.999    0.000
##      Residuals          6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE

```



```

##
## Estimated Marginal Means - Device
## -----
##      Device      Mean    SE      Lower    Upper
## -----
##      Apple Ipad    396    19.9     357     435
##      Mac Book      396    19.9     357     435
## -----
##
##
## $`Flug: London-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Device              0.114      1          0.114    1.03e-6    0.999    0.000
##      Residuals          6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean    SE      Lower    Upper
## -----
##      Apple Ipad    396    19.9     357     435
##      Mac Book      396    19.9     357     435
## -----
##
##
## $`Flug: Bangkok-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Device              0.114      1          0.114    1.03e-6    0.999    0.000
##      Residuals          6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device

```

```

## -----
##      Device      Mean    SE      Lower    Upper
## -----
##      Apple Ipad    396    19.9     357     435
##      Mac Book      396    19.9     357     435
## -----
##
##
## $`Flug: New York-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Device              0.114      1          0.114    1.03e-6    0.999    0.000
##      Residuals          6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean    SE      Lower    Upper
## -----
##      Apple Ipad    396    19.9     357     435
##      Mac Book      396    19.9     357     435
## -----
##
##
## $`Flug: Tokio-AUA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>2p
## -----
##      Device              0.114      1          0.114    1.03e-6    0.999    0.000
##      Residuals          6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean    SE      Lower    Upper

```

```

## -----
##   Apple Ipad      396    19.9    357    435
##   Mac Book       396    19.9    357    435
## -----
##
##
## $`Flug: Amsterdam-KLM`
##
## ANOVA
##
## ANOVA
## -----
##               Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Device                0.114      1          0.114    1.03e-6    0.999    0.000
##   Residuals            6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##   Device    Mean    SE    Lower    Upper
## -----
##   Apple Ipad    396    19.9    357    435
##   Mac Book     396    19.9    357    435
## -----
##
##
## $`Flug: Berlin-EZY`
##
## ANOVA
##
## ANOVA
## -----
##               Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
##   Device                0.114      1          0.114    1.03e-6    0.999    0.000
##   Residuals            6.18e+7    558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##   Device    Mean    SE    Lower    Upper
## -----
##   Apple Ipad    396    19.9    357    435

```

```

##      Mac Book      396      19.9      357      435
## -----
##
##
## $`Flug: Lissabon-LDM`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>²p
## -----
##      Device              0.114        1              0.114      1.03e-6      0.999      0.000
##      Residuals          6.18e+7      558      110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean      SE      Lower      Upper
## -----
##      Apple Ipad      396      19.9      357      435
##      Mac Book      396      19.9      357      435
## -----
##
##
## $`Flug: London-BAW`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F      p      <U+03B7>²p
## -----
##      Device              0.114        1              0.114      1.03e-6      0.999      0.000
##      Residuals          6.18e+7      558      110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
##      Device      Mean      SE      Lower      Upper
## -----
##      Apple Ipad      396      19.9      357      435
##      Mac Book      396      19.9      357      435
## -----
##

```

```

##
##
## $`Flug: Bangkok-THA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
## Device              0.114        1          0.114    1.03e-6    0.999    0.000
## Residuals          6.18e+7      558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
## Device      Mean    SE      Lower    Upper
## -----
## Apple Ipad   396    19.9    357     435
## Mac Book     396    19.9    357     435
## -----
##
##
## $`Flug: New York-UAL`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares    df    Mean Square    F          p          <U+03B7>²p
## -----
## Device              0.114        1          0.114    1.03e-6    0.999    0.000
## Residuals          6.18e+7      558    110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
## Device      Mean    SE      Lower    Upper
## -----
## Apple Ipad   396    19.9    357     435
## Mac Book     396    19.9    357     435
## -----
##
##

```

```

## $`Flug: Tokio-ANA`
##
## ANOVA
##
## ANOVA
## -----
##              Sum of Squares      df      Mean Square      F          p      <U+03B7>2p
## -----
## Device              0.114         1          0.114      1.03e-6      0.999      0.000
## Residuals          6.18e+7        558      110753.443
## -----
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
## Estimated Marginal Means - Device
## -----
## Device      Mean      SE      Lower      Upper
## -----
## Apple Ipad    396      19.9      357      435
## Mac Book      396      19.9      357      435
## -----

```