Hypothese4

Silas Nöttling 19 4 2020

Deskriptive Statistik - Einzelflüge

```
## $`Flug: Amsterdam-AUA`
##
   DESCRIPTIVES
##
##
##
   Descriptives
##
##
                          Preis Device
##
                                       560
##
                             560
##
      Missing
                              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
Mac Book 280
                                                  50.0
##
                                   50.0
                     280
                                   50.0
                                                 100.0
##
     Mac Book
##
##
##
  $`Flug: Berlin-AUA`
##
##
   DESCRIPTIVES
##
##
##
   Descriptives
##
##
                           Preis
##
##
                             560
                                       560
##
      Missing
                              0
                                         0
                              396
##
      Mean
##
      Median
                             228
##
      Standard deviation
                            332
##
      Minimum
                            50.0
##
      {\tt Maximum}
                            1193
```

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

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

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

4

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

5

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

Apple Ipad

##

280

50.0

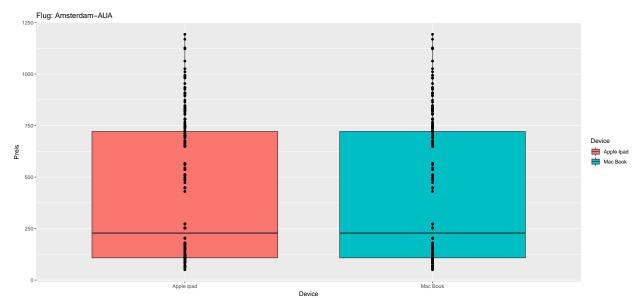
50.0

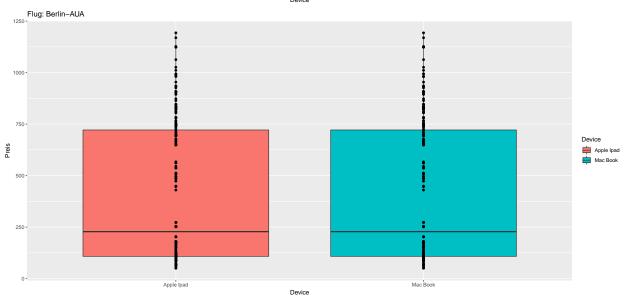
```
280
                         50.0
##
     Mac Book
                                      100.0
##
##
##
## $`Flug: Bangkok-THA`
##
##
   DESCRIPTIVES
##
##
   Descriptives
##
##
                        Preis Device
##
##
                                    560
                           560
    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

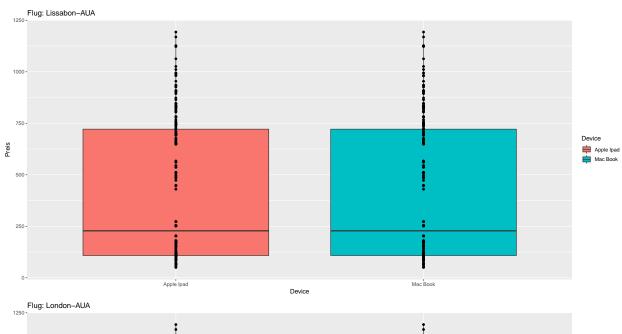
Frequencies of Device

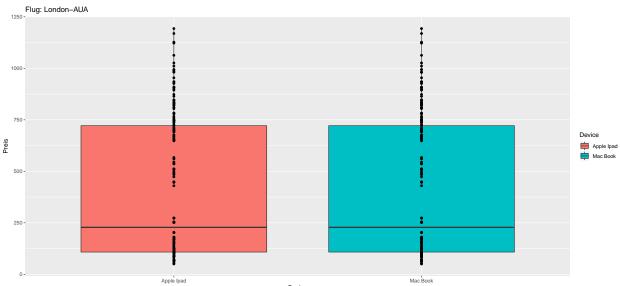
Levels	Counts	% of	Total	Cumulative %
Apple Ipad	280		50.0	50.0
	280		50.0	100.0
\$`Flug: Tokio-A	NA`			
· U				
DESCRIPTIVES				
Descriptives				
		Preis	Device	
N		560	 560	
Missing		0	0	
Mean		396	Ŭ	
Median		228		
Standard deviation		332		
Minimum		50.0		
Maximum		1193		
FREQUENCIES				
Frequencies of	Device			
	Counta	% of	Total	Cumulative %
Levels	Counts	70 01		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Levels Apple Ipad			50.0	50.0

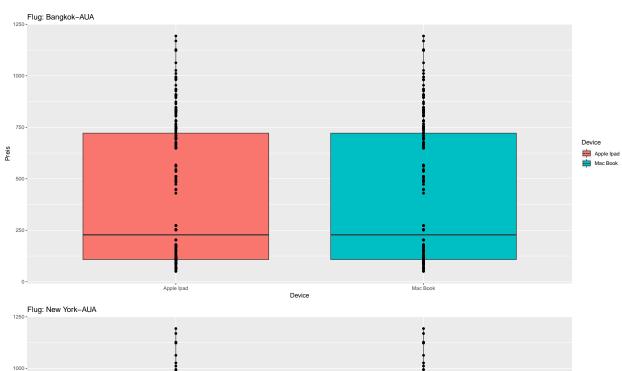
Box-Plot - Einzelflüge

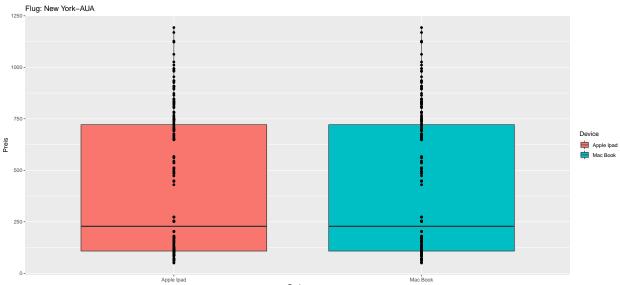


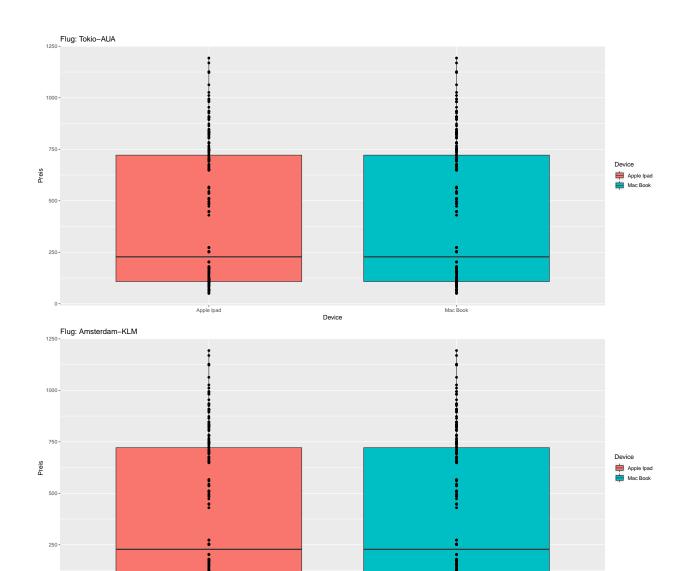




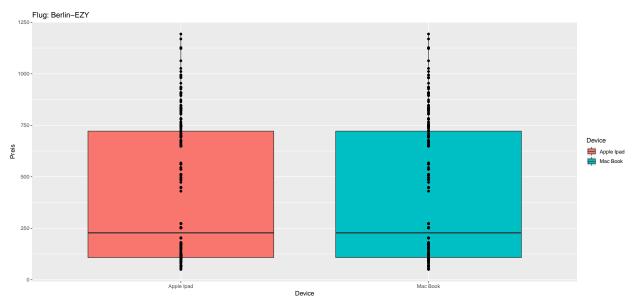


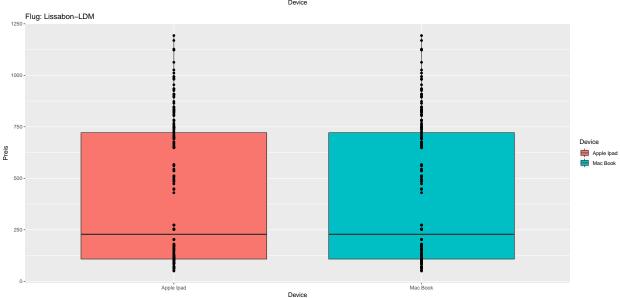


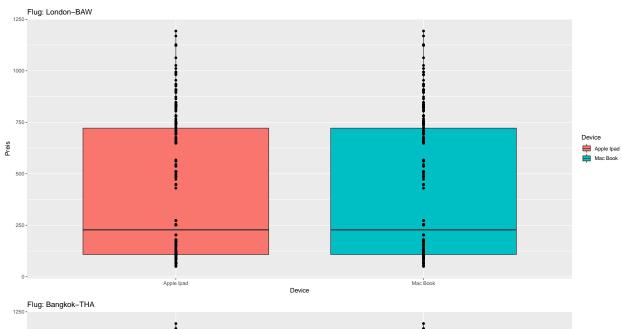


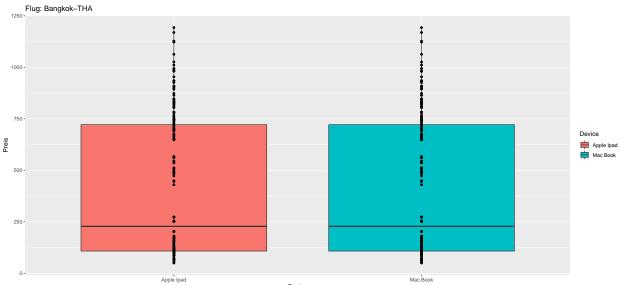


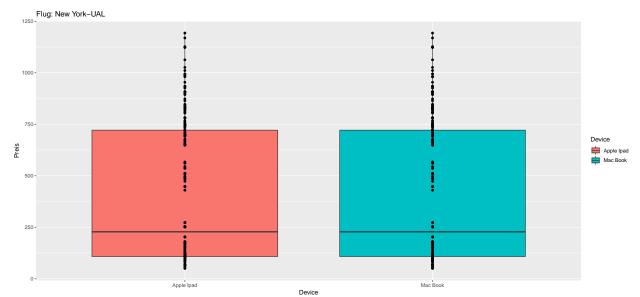
Apple Ipad

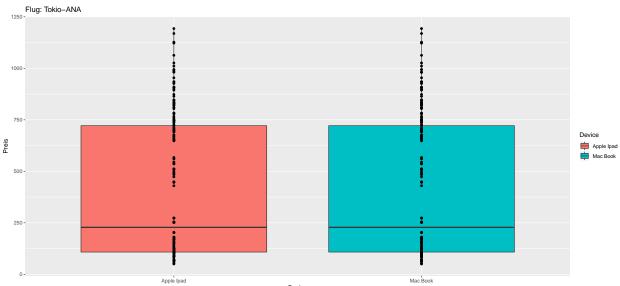












ANOVA

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

DEVICE

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

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

```
Mac Book 396 19.9 357 435
##
##
##
##
## $`Flug: Lissabon-LDM`
##
##
   ANOVA
##
##
   ANOVA
##
                                       Mean Square F
##
                Sum of Squares df
                                                              p
                                                                       <U+03B7>2p
##
                         0.114
                                  1
##
                                                     1.03e-6 0.999
                                                                        0.000
     Device
                                             0.114
                      6.18e+7 558 110753.443
     Residuals
##
##
##
##
   ESTIMATED MARGINAL MEANS
##
   DEVICE
##
##
##
   Estimated Marginal Means - Device
##
##
                 Mean
                         SE
                                Lower
                                       Upper
##
   _____
     Apple Ipad 396 19.5
Mac Rook 396 19.9 357
##
                                          435
##
    Mac Book
                                         435
##
##
##
## $`Flug: London-BAW`
##
  ANOVA
##
##
##
   ANOVA
##
                Sum of Squares df Mean Square F p <U+03B7>2p
##
##
                                 1
##
     Device
                         0.114
                                             0.114
                                                      1.03e-6
                                                                0.999
                                                                        0.000
##
                       6.18e+7 558
                                       110753.443
     Residuals
##
##
##
##
   ESTIMATED MARGINAL MEANS
##
   DEVICE
##
##
   Estimated Marginal Means - Device
##
   _____
##
              Mean SE
##
     Device
                             Lower Upper
##

      Apple Ipad
      396
      19.9
      357
      435

      Mac Book
      396
      19.9
      357
      435

##
##
##
```

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

      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
##
                  0.114 1 0.114 1.03e-6 0.999 0.000 6.18e+7 558 110753.443
##
    Device
##
   Residuals
##
##
##
## ESTIMATED MARGINAL MEANS
##
## DEVICE
##
  Estimated Marginal Means - Device
##
  _____
##
          Mean SE
                       Lower Upper
##
##
## Apple Ipad 396 19.9 357 435
## Mac Book 396 19.9 357 435
## -----
```