## Case Study

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17 6 2020

## Contents

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## Struktur der Daten:
##
##
## Zusammenfassung:
## [1] "\n\nadr_roomtype = aggregate(adr ~ reserved_room_type,data=clndata, mean)\nadr_roomtype\n\nadr_
## Loading required package: dplyr
## Attaching package: 'dplyr'
## The following object is masked from 'package:GGally':
##
##
       nasa
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
```

Table 1: overview\_room\_types\_city

intersect, setdiff, setequal, union

##

${\bf Room\_Type}$	adults	$\operatorname{children}$	$\operatorname{meal}$	$\operatorname{adr}$	$\mathbf{n}$
A	1	0	BB	90.000	11296
A	1	0	FB	84.000	35
A	1	0	$_{ m HB}$	90.000	793
A	1	0	SC	95.480	1371
A	1	1	BB	106.675	108
A	1	1	$_{\mathrm{HB}}$	98.750	10
A	1	1	SC	87.780	33
A	1	2	BB	119.800	28
A	1	2	$_{\mathrm{HB}}$	122.000	4
A	1	2	SC	135.250	2
A	2	0	BB	90.000	32068
A	2	0	FB	206.000	1
A	2	0	$_{\mathrm{HB}}$	110.000	4319
A	2	0	SC	97.000	8683
A	2	1	BB	125.100	1831
A	2	1	$_{\mathrm{HB}}$	167.850	149
A	2	1	SC	97.000	83
A	2	2	BB	126.000	16
A	2	2	$_{\mathrm{HB}}$	168.725	2
A	2	2	SC	126.000	3
A	3	0	BB	111.760	668
A	3	0	$_{\mathrm{HB}}$	139.200	71
A	3	0	SC	100.800	80

A 3 1 BB 162.285 2 B 1 0 BB 100.600 29 B 1 0 SC 136.000 1 B 1 1 BB 91.100 17 B 1 1 HB 112.820 4 B 1 2 BB 91.600 9 B 2 0 BB 86.620 671 B 2 0 BB 86.620 671 B 2 0 BB 86.620 651 B 2 0 SC 86.620 25 B 2 1 BB 107.750 28 B 2 1 BB 107.750 28 B 2 2 BB 139.500 57 B 2 3 BB 79.260 15 B 2 3 BB 79.260 15 B 3 0 BB 120.500 5 B 3 2 BB 175.625 2 C 1 0 BB 88.500 2 C 1 0 BB 88.500 2 C 1 0 BB 88.500 2 C 1 0 BB 10.000 7 C 2 2 BB 110.000 7 C 2 2 BB 110.000 17 C 2 2 BB 74.000 1 D 1 0 BB 110.000 1111 D 1 0 BB 104.000 15 D 1 1 BB 106.720 19 D 1 1 BB 106.720 19 D 1 1 BB 122.400 6324 D 2 0 BB 122.400 6324 D 2 0 BB 122.400 335 D 2 1 BB 175.605 34 D 2 0 BB 152.500 19 D 1 1 2 BB 122.400 335 D 2 1 BB 175.605 398 D 2 1 BB 175.605 31 D 2 1 BB 168.750 308 D 2 1 BB 167.760 25 D 2 1 BB 167.760 25 D 2 1 BB 153.705 398 D 2 2 0 BB 153.705 398 D 2 1 BB 152.400 335 D 2 1 BB 152.400 335 D 2 1 BB 152.400 355 D 3 0 BB 152.400 55 D 3 1 BB 152.400 55 D 3 3 0 BB 152.400 55 D	Room_	_Type	adults	children	meal	adr	n
B         1         0         SC         136.000         1           B         1         1         BB         91.100         17           B         1         1         BB         91.600         9           B         1         2         BB         91.600         9           B         1         2         SC         91.360         1           B         2         0         BB         86.620         671           B         2         0         HB         113.140         22           B         2         0         SC         86.620         25           B         2         0         BB         107.750         28           B         2         3         BB         107.500         28           B         2         3         BB         179.500         1           B         3         0         BB <td></td> <td></td> <td></td> <td></td> <td>ВВ</td> <td></td> <td>2</td>					ВВ		2
B       1       1       BB       91.100       17         B       1       1       HB       112.820       4         B       1       2       BB       91.600       9         B       1       2       SC       91.360       1         B       2       0       BB       86.620       671         B       2       0       HB       113.140       22         B       2       0       SC       86.620       25         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       0       BB       120.500       5         B       3       0       BB       120.500       5         B       3       0       BB       120.500       1         C       1       0       BB       110.000       1 </td <td>В</td> <td></td> <td>1</td> <td>0</td> <td>BB</td> <td></td> <td>29</td>	В		1	0	BB		29
B       1       1       HB       112.820       4         B       1       2       BB       91.600       9         B       1       2       SC       91.360       1         B       2       0       BB       86.620       671         B       2       0       HB       113.140       22         B       2       0       SC       86.620       25         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       175.625       22         B       3       0       BB       175.625       2         C       1       0       BB       185.500       2         C       1       0       HB       104.000       1         C       2       0       BB       110.000       11         D       1       0       HB       104.000       1         D       1       0       HB       104.000       1         D       1       0       HB       104.000 <td< td=""><td>В</td><td></td><td>1</td><td>0</td><td>SC</td><td>136.000</td><td>1</td></td<>	В		1	0	SC	136.000	1
B       1       2       BB       91.600       9         B       1       2       SC       91.360       1         B       2       0       BB       86.620       671         B       2       0       HB       113.140       22         B       2       0       HB       113.140       22         B       2       0       BB       107.750       28         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         C       1       0       BB       120.500       1         C       1       0       BB       120.500	В						17
B       1       2       SC       91.360       1         B       2       0       BB       86.620       671         B       2       0       HB       113.140       22         B       2       0       SC       86.620       25         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       0       BB       120.500       1         C       1       0       HB       104.000       1         D       1       0       BB       110.000       1	В						
B       2       0       BB       86.620       671         B       2       0       HB       113.140       22         B       2       0       SC       86.620       25         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       0       BB       120.500       5         B       3       2       BB       175.625       2         C       1       0       BB       88.500       2         C       1       0       HB       104.000       1         C       2       0       BB       110.000       1         C       2       2       BB       74.000       1         D       1       0       BB       110.000       11111         D       1       0       BB       110.000       19         D       1       1       BB       100.000       <							
B       2       0       HB       113.140       22         B       2       0       SC       86.620       25         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       0       BB       175.625       2         C       1       0       BB       185.500       2         C       1       0       BB       180.000       1         C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       10         D       1       0       BB       110.000       11         D       1       0       BB       110.000       11         D       1       0       BB       110.000       19         D       1       1       BB       129.200 <t< td=""><td></td><td></td><td></td><td>2</td><td></td><td></td><td>1</td></t<>				2			1
B       2       0       SC       86.620       25         B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         C       1       0       BB       120.500       5         C       1       0       BB       140.000       1         C       2       0       BB       110.000       1         C       2       2       BB       74.000       1         D       1       0       BB       110.000       11111         D       1       0       BB       110.000       19         D       1       1       BB       106.720       19         D       1       1       BB       129.200       <							
B       2       1       BB       107.750       28         B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       2       BB       175.625       2         C       1       0       BB       88.500       2         C       1       0       HB       104.000       1         C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       BB       110.000       19         D       1       1       BB       100.000       19         D       1       1       BB       106.720							
B       2       2       BB       139.500       57         B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       2       BB       175.625       2         C       1       0       BB       180.000       1         C       1       0       HB       104.000       1         C       2       0       BB       110.000       1         C       2       2       BB       74.000       1         D       1       0       BB       110.000       11         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       2       BB       129.200       19         D       1       2       BB       129.							
B       2       3       BB       79.260       1         B       3       0       BB       120.500       5         B       3       2       BB       175.625       2         C       1       0       BB       88.500       2         C       1       0       HB       104.000       1         C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       0       HB       108.000       35         D       1       0       HB       108.000       35         D       1       0       BB       110.000       11111         D       1       0       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       122.400       6324         D       2       0       BB       122.400							
B       3       0       BB       120.500       5         B       3       2       BB       175.625       2         C       1       0       BB       88.500       2         C       1       0       HB       104.000       1         C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       1       0       HB       108.000       35         D       1       1       1       10       10       10       10       11       11       11       11       11       11       11       11       11       11       12       14       11       12       14       14       14       11							
B 3 2 BB 175.625 2 C 1 0 BB 88.500 2 C 1 1 0 HB 104.000 1 C 2 0 BB 110.000 7 C 2 2 BB 74.000 1 D 1 0 BB 108.000 35 D 1 0 SC 134.000 7 D 1 1 BB 106.720 19 D 1 1 SC 66.640 1 D 1 2 BB 129.200 19 D 1 2 BB 122.400 6324 D 2 0 BB 153.705 398 D 2 0 BB 152.100 3128 D 2 1 BB 167.750 3 D 2 1 BB 128.400 335 D 3 0 BB 152.100 3128 D 3 0 BB 152.000 4 E 1 0 BB 167.590 4 E 1 1 BB 168.750 2 E 1 1 BB 168.750 2 E 2 0 BB 123.500 1 E 2 0 BB 123.500 1							
C       1       0       BB       88.500       2         C       1       0       HB       104.000       1         C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       0       HB       108.000       35         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       BB       129.200       19         D       1       2       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       FB       215.500       1         D       2       1       BB       128.400							
C       1       0       HB       104.000       1         C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       BB       129.200       19         D       1       2       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       1       BB       128.400       335         D       2       1       BB       128.400							
C       2       0       BB       110.000       7         C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       1       BB       128.400       335         D       2       1       BB       167.760							
C       2       2       BB       74.000       1         D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       NC       112.840       53         D       2       1       BB       128.400       335         D       2       1       BB       167.760							
D       1       0       BB       110.000       1111         D       1       0       HB       108.000       35         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       HB       153.705       398         D       2       1       BB       128.400       335         D       2       1       BB       128.400       335         D       2       1       BB       167.760       25         D       3       0       BB       152.100<							7
D       1       0       HB       108.000       35         D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       BB       106.720       19         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       BB       167.760       25         D       2       1       SC       113.000       3         D       3       0       BB       152.100       3128         D       3       0       BB       152.100<				2			1
D       1       0       SC       134.000       7         D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       BB       167.760       25         D       3       0       BB       152.100       3128         D       3       0       BB       152.100				0			
D       1       1       BB       106.720       19         D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       SC       113.000       3         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       BB       140.3				0			
D       1       1       SC       66.640       1         D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       BB       128.400       335         D       2       1       BB       167.760       25         D       2       1       SC       113.000       3         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       BB       194.300       159         D       3       0       BB       142.20							
D       1       2       BB       129.200       19         D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       BB       128.400       335         D       2       1       BB       128.400       335         D       2       1       BB       17.600       25         D       2       1       SC       113.000       3         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       BB       194.300       159         D       3       0       SC       142.200       5         D       3       0       BB       135.4							19
D       1       2       HB       177.080       3         D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       135.							
D       2       0       BB       122.400       6324         D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       BB       194.300       159         D       3       0       BB       152.100       3128         D       3       0       BC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       13							
D       2       0       FB       215.500       1         D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       SC       190.000       14         E       1       2       BB       167.590 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
D       2       0       HB       153.705       398         D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       BB       152.100       3128         D       3       0       SC       142.200       5         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       BC       190.000       14         E       1       0       BC       190.000				0			6324
D       2       0       SC       112.840       53         D       2       1       BB       128.400       335         D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       BB       135.400       235         E       1       0       BC       190.000       14         E       1       2       BB       168.750       2         E       1       3       BB       215.000 <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td>				0			
D       2       1       BB       128.400       335         D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       BB       135.400       235         E       1       0       BC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       2       0       BB       153.870 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
D       2       1       HB       167.760       25         D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       BB       152.100							
D       2       1       SC       113.000       3         D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       BB       152.100       77         E       2       1       BB       152.100							
D       2       2       BB       107.350       6         D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100							
D       3       0       BB       152.100       3128         D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165							
D       3       0       HB       194.300       159         D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       HB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600							
D       3       0       SC       142.200       5         D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
D       3       1       BB       140.350       10         D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
D       4       0       BB       222.000       4         E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       1       0       BB       135.400       235         E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       1       0       HB       123.500       5         E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       1       0       SC       190.000       14         E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       1       1       BB       168.750       2         E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       1       2       BB       167.590       4         E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       1       3       BB       215.000       1         E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
E       2       0       BB       153.870       567         E       2       0       HB       172.675       26         E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
E       2       0       SC       145.000       1         E       2       1       BB       152.100       77         E       2       1       HB       200.165       12         E       2       2       BB       164.600       107							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
E 2 HB 225.000 27							
	E		2	2	нВ	225.000	27

Room_Type	adults	children	meal	adr	n
E	3	0	BB	194.670	297
E	3	0	$_{ m HB}$	189.000	93
E	3	1	BB	180.900	27
E	3	1	$_{ m HB}$	232.000	4
E	4	0	BB	185.350	2
F	1	0	BB	193.680	28
F	1	1	BB	198.900	3
F	1	2	BB	190.800	33
F	1	2	$_{ m HB}$	260.500	1
F	1	3	BB	193.500	1
F	2	0	BB	187.200	143
F	2	0	$_{ m HB}$	193.600	6
F	2	0	SC	158.950	3
F	2	1	BB	184.950	110
F	2	1	$_{ m HB}$	244.550	6
F	2	1	SC	159.080	1
F	2	2	BB	189.000	1207
F	2	2	$_{ m HB}$	230.500	104
F	2	2	SC	153.000	19
F	2	3	BB	220.000	3
F	2	3	$_{ m HB}$	275.000	1
F	3	0	BB	168.890	69
F	3	0	$_{ m HB}$	158.930	1
F	3	1	BB	201.950	14
F	3	1	$_{ m HB}$	227.780	1
F	3	2	BB	318.500	1
F	4	0	BB	145.800	2
G	1	0	BB	238.120	24
G	1	1	BB	212.000	1
G	1	2	BB	227.040	2
G	2	0	BB	216.000	67
G	2	1	BB	217.750	25
G	2	2	BB	227.250	111
G	2	2	$_{ m HB}$	300.000	9
G	2	3	BB	254.255	36
G	$\frac{1}{2}$	3	HB	289.000	5
G	3	0	BB	211.600	54
$\widetilde{\mathrm{G}}$	3	0	$\overline{SC}$	180.000	1
G	3	1	BB	236.500	46
$\widetilde{\mathrm{G}}$	3	1	HB	345.000	1
$\widetilde{\mathrm{G}}$	3	$\stackrel{\cdot}{2}$	BB	263.000	19
G	3	2	HB	284.200	5
G	4	0	BB	214.750	22
	<u>.</u>			211.100	

Table 2: overview\_room\_types\_resort

Room_Type	adults	children	meal	adr	n
A	1	0	BB	42.000	4937
A	1	0	FB	53.005	30
A	1	0	$_{ m HB}$	54.500	611
A	1	0	SC	9.250	6

Room_	_Type	adults	children	meal	adr	n
A		1	1	ВВ	83.310	23
A		1	1	FB	24.700	1
A		1	1	$_{ m HB}$	107.300	11
A		1	2	BB	78.500	5
A		1	2	$_{ m HB}$	101.985	4
A		2	0	BB	60.000	11473
A		2	0	FB	80.000	513
A		2	0	$_{ m HB}$	84.000	3307
A		2	0	SC	10.500	9
A		2	1	BB	95.045	324
A		2	1	FB	215.350	18
A		2	1	$_{ m HB}$	163.105	160
A		2	2	BB	106.000	9
A		2	2	$_{ m HB}$	95.400	1
A		2	3	BB	124.000	1
A		3	0	BB	112.210	316
A		3	0	FB	206.600	20
A		3	0	$_{\mathrm{HB}}$	165.355	138
A		3	0	SC	48.000	1
A		4	0	BB	208.000	1
В		2	0	BB	110.000	3
C		1	0	BB	67.500	9
C		1	0	$_{\mathrm{HB}}$	171.000	1
$\mathbf{C}$		1	1	BB	186.000	4
$\mathbf{C}$		1	1	$_{\mathrm{HB}}$	203.000	7
$\mathbf{C}$		1	2	BB	185.000	6
$\mathbf{C}$		1	2	$_{\mathrm{HB}}$	225.535	4
$\mathbf{C}$		1	3	BB	201.700	2
$\mathbf{C}$		2	0	BB	135.200	127
$\mathbf{C}$		2	0	FB	89.000	6
$\mathbf{C}$		2	0	$_{\mathrm{HB}}$	180.000	31
$\mathbf{C}$		2	1	BB	123.000	83
C		2	1	FB	211.390	8
C		2	1	$^{\mathrm{HB}}$	187.200	41
C		2	2	BB	160.000	339
C		2	2	FB	255.200	8
$\stackrel{ ext{C}}{\sim}$		2	2	HB	213.600	131
$\stackrel{ ext{C}}{\sim}$		2	3	BB	158.000	1
С		3	0	BB	127.500	31
С		3	0	FB	158.000	10
С		3	0	HB	199.500	8
С		3	1	BB	199.000	10
С		3	1	HB	262.625	4
С		4	0	BB	143.840	6
С		4	0	HB	108.360	1
D		1	0	BB	67.000	433
D		1	0	FB	116.170	2
D		1	0	HB	68.000	88
D		1	1	BB	81.000	15
D		1	1	FB	160.680	1
D		1	1	HB	141.490	4
D		1	2	ВВ	95.000	3

Room_	_Type	adults	children	meal	adr	n
$\overline{\mathrm{D}}$		1	2	НВ	260.280	2
D		2	0	BB	75.090	4719
D		2	0	FB	156.600	54
D		2	0	$_{ m HB}$	97.450	1488
D		2	0	SC	1.560	5
D		2	1	BB	142.260	157
D		2	1	FB	238.750	15
D		2	1	$_{ m HB}$	185.500	95
D		2	10	BB	133.160	1
D		2	2	BB	195.585	2
D		2	2	FB	310.000	1
D		2	2	$_{ m HB}$	261.190	2
D		3	0	BB	140.370	121
D		3	0	FB	195.750	3
D		3	0	НВ	206.270	68
D		4	0	BB	252.600	2
E		1	0	BB	72.800	253
E		1	0	FB	124.380	1
E		1	0	HB	77.250	60
E		1	1	BB	124.440	4
E		1	1	FB	283.000	1
E		1	1	НВ	114.230	4
E		1	2	BB	200.790	4
E		1	$\frac{1}{2}$	HB	217.200	2
E		2	0	BB	90.000	3231
E		$\frac{2}{2}$	0	FB	134.400	27
E		$\frac{2}{2}$	0	НВ	118.000	1011
E		2	0	SC	29.215	2
E		$\frac{2}{2}$	1	BB	158.800	102
E		$\frac{2}{2}$	1	FB	260.200	6
E		$\frac{2}{2}$	1	НВ	179.890	57
E		$\frac{2}{2}$	2	BB	284.000	1
E		3	0	BB	153.000	63
E		3	0	FB	199.500	3
E		3	0	НВ	206.220	41
F		1	0	BB	89.900	52
F		1	0	НВ	169.385	2
F		1	1	BB	145.025	2
F		1	1	НВ	253.800	1
F		1	2	BB	183.105	4
F		1	2	НВ	300.650	$\overset{1}{2}$
F		2	0	BB	109.000	697
F		$\frac{2}{2}$	0	FB	196.000	8
F		$\frac{2}{2}$	0	НВ	140.600	167
F		$\frac{2}{2}$	0	SC	19.000	1
F		$\frac{2}{2}$	1	BB	192.660	47
F		$\frac{2}{2}$	1	FB	216.570	2
F		$\frac{2}{2}$	1	НВ	196.905	18
F		$\frac{2}{2}$	2	BB	188.000	10
F		$\frac{2}{3}$	0	BB	209.000	35
F		3	0	FB	317.910	2
F		3	0	HB	252.260	$\frac{2}{12}$
1			U	עננ	202.200	14

Room_T	ype	adults	children	meal	adr	n
G		1	0	ВВ	100.000	36
G		1	0	$_{\mathrm{HB}}$	164.200	4
G		1	1	BB	117.000	1
G		1	1	$_{\mathrm{HB}}$	106.000	1
G		1	2	BB	168.000	8
G		1	2	$_{\mathrm{HB}}$	229.400	2
G		2	0	BB	138.500	279
G		2	0	HB	173.600	30
G		2	1	BB	128.000	106
G		2	1	HB	184.250	37
G		2	2	BB	155.000	808
G		2	2	FB	242.350	2
G		2	2	HB	248.000	163
G		2	3	BB	105.000	3
G		2	3	HB	311.330	1
G		3	0	BB	$133.750 \\ 210.175$	50
G G		3 3	1	HB	136.000	14 17
G		3	1	BB HB	234.790	6
G		3 4	0	BB	16.000	1
Н		1	0	ВВ	108.000	3
H		1	0	НВ	123.000	1
H		1	$\frac{0}{2}$	BB	125.000 $168.500$	2
Н		2	0	BB	163.000	47
H		$\frac{2}{2}$	0	НВ	202.000	1
Н		$\frac{2}{2}$	1	BB	155.000	34
H		2	1	НВ	206.100	15
H		2	2	BB	175.950	64
H		2	2	FB	437.000	1
H		$\frac{1}{2}$	$\overline{2}$	НВ	226.835	$\overline{4}$
H		2	3	BB	140.000	7
Н		2	3	$_{ m HB}$	219.015	2
Н		3	0	BB	180.500	34
Н		3	0	$_{ m HB}$	208.140	9
Η		3	1	BB	173.500	262
Η		3	1	FB	328.500	2
Η		3	1	$_{ m HB}$	253.000	78
H		3	2	BB	156.000	9
H		3	2	$_{\mathrm{HB}}$	270.975	2
Η		4	0	BB	207.335	14
H		4	0	$_{\mathrm{HB}}$	306.750	2
H		4	1	BB	194.030	2
L		1	0	BB	82.000	1
L		2	0	BB	154.000	4
L		4	0	BB	150.000	1

## [1] "\n#testst\n#was ist mit Typ undefined?\nunique(rawdata\$market\_segment)\nunique(rawdata\$meal)\nu6 day of the week, starting on Sunday.\nrawdata\$wkday=as.POSIX1t(paste(rawdata\$arrival\_date\_day\_of\_montests))