EDA_LA

2023 - 05 - 14

Github Link for Commands - https://github.com/riyajaiswal25/EDA_LA

Analysis of Data on Hotel Bookings DataSet

Reading data(Creating a Dataframe)

```
mydata = read.csv("C:\\Users\\riyaj\\OneDrive\\Documents\\hotel.csv")
```

Performing operations on dataset

```
#shows the entire data set
mydata
```

##			hotel	is_canceled	lead_time	arrival_date_year	arrival_date_month
##	1	Resort	Hotel	0	342	2015	July
##	2	Resort	Hotel	0	737	2015	July
##	3	Resort	Hotel	0	7	2015	July
##	4	Resort	${\tt Hotel}$	0	13	2015	July
##	5	Resort	${\tt Hotel}$	0	14	2015	July
##	6	Resort	${\tt Hotel}$	0	14	2015	July
##	7	Resort	${\tt Hotel}$	0	0	2015	July
##	8	Resort	${\tt Hotel}$	0	9	2015	July
##	9	Resort	${\tt Hotel}$	1	85	2015	July
##	10	Resort	${\tt Hotel}$	1	75	2015	July
##	11	Resort	${\tt Hotel}$	1	23	2015	July
##	12	Resort	${\tt Hotel}$	0	35	2015	July
##	13	Resort	Hotel	0	68	2015	July
##	14	Resort	Hotel	0	18	2015	July
##	15	Resort	Hotel	0	37	2015	July
##	16	Resort	Hotel	0	68	2015	July
##	17	Resort	Hotel	0	37	2015	July
##	18	Resort	Hotel	0	12	2015	July
##	19	Resort	Hotel	0	0	2015	July
##	20	Resort	Hotel	0	7	2015	July
##	21	Resort		0	37	2015	July
	22	Resort		0	72	2015	July
	23	Resort		0	72	2015	July
##	24	Resort	Hotel	0	72	2015	July

##	25	${\tt Resort}$	Hotel	0	127	2015	July
##	26	Resort		0	78	2015	July
##	27	Resort		0	48	2015	July
##	28	Resort		1	60	2015	July
##	29	Resort		0	77	2015	July
##	30	Resort		0	99	2015	July
##	31	Resort		0	118	2015	July
##	32	Resort	Hotel	0	95	2015	July
##	33	Resort		1	96	2015	July
##	34	Resort	Hotel	0	69	2015	July
##	35	Resort	Hotel	1	45	2015	July
##	36	Resort	Hotel	1	40	2015	July
##	37	Resort	Hotel	0	15	2015	July
##	38	Resort	Hotel	0	36	2015	July
##	39	Resort	Hotel	1	43	2015	July
##	40	Resort	Hotel	0	70	2015	July
##	41	Resort	Hotel	1	45	2015	July
##	42	Resort	Hotel	0	45	2015	July
##	43	Resort	Hotel	0	16	2015	July
##	44	Resort	Hotel	0	70	2015	July
##	45	Resort	Hotel	0	107	2015	July
##	46	Resort	Hotel	1	47	2015	July
##	47	Resort	Hotel	0	96	2015	July
##	48	Resort	Hotel	0	113	2015	July
##	49	Resort	Hotel	0	90	2015	July
##	50	Resort	Hotel	0	50	2015	July
##	51	Resort	Hotel	0	113	2015	July
##	52	Resort	Hotel	0	93	2015	July
##	53	Resort	Hotel	0	76	2015	July
##	54	Resort	Hotel	0	3	2015	July
##	55	Resort	Hotel	0	1	2015	July
##	56	Resort	Hotel	0	1	2015	July
##	57	Resort	Hotel	0	0	2015	July
##	58	Resort	Hotel	0	0	2015	July
##	59	Resort	Hotel	0	0	2015	July
##	60	Resort	Hotel	0	14	2015	July
##	61	Resort	Hotel	0	10	2015	July
##	62	Resort	Hotel	0	5	2015	July
##	63	Resort	Hotel	0	17	2015	July
	64	Resort	Hotel	0	93	2015	July
##	65	Resort	Hotel	1	3	2015	July
##	66	Resort	Hotel	0	10	2015	July
##	67	Resort	Hotel	0	3	2015	July
##	68	Resort		0	51	2015	July
##		Resort	Hotel	1	71	2015	July
##	70	Resort	Hotel	1	63	2015	July
##	71	Resort	Hotel	1	62	2015	July
##		${\tt Resort}$	Hotel	1	101	2015	July
##	73	${\tt Resort}$	Hotel	0	2	2015	July
##	74	${\tt Resort}$	Hotel	0	15	2015	July
##	75	${\tt Resort}$	Hotel	1	51	2015	July
##	76	Resort	Hotel	0	3	2015	July
##	77	Resort		1	48	2015	July
##	78	Resort	Hotel	0	2	2015	July

##	79	Resort	Hotel	0	72	2015	July
##	80	Resort	Hotel	0	81	2015	July
##	81	Resort		0	99	2015	July
##	82	Resort		1	368	2015	July
##	83	Resort		0	364	2015	July
##	84	Resort		1	81	2015	July
##	85	Resort	Hotel	0	99	2015	July
##	86	Resort	Hotel	0	324	2015	July
##	87	Resort	Hotel	0	69	2015	July
##	88	Resort	Hotel	1	79	2015	July
##	89	Resort		0	12	2015	July
##	90	Resort		0	9	2015	July
##	91	Resort	Hotel	0	1	2015	July
##	92	Resort		0	21	2015	July
##	93	Resort		0	9	2015	July
##	94	Resort	Hotel	0	109	2015	July
##	95	Resort	Hotel	1	109	2015	July
##	96	Resort	Hotel	1	72	2015	July
##	97	Resort	Hotel	1	63	2015	July
##	98	Resort	Hotel	0	63	2015	July
##	99	Resort	Hotel	0	101	2015	July
##	100	Resort	Hotel	0	102	2015	July
##		Resort		0	4	2015	July
##		Resort		0	98	2015	July
##	103	Resort	Hotel	0	92	2015	July
##	104	Resort	Hotel	0	95	2015	July
##		Resort		0	102	2015	July
##		Resort		1	26	2015	July
##		Resort		1	73	2015	July
##	108	Resort	Hotel	1	102	2015	July
##	109	Resort	Hotel	0	115	2015	July
##	110	Resort	Hotel	0	102	2015	July
##		Resort		0	86	2015	July
##	112	Resort	Hotel	0	78	2015	July
##		Resort		0	52	2015	July
##	114	Resort	Hotel	0	29	2015	July
##		Resort		1	101	2015	July
		Resort		0	109	2015	July
		Resort		0	92	2015	July
		Resort		0	92	2015	July
		Resort		0	79	2015	July
		Resort		0	2	2015	July
		Resort		0	30	2015	July
		Resort		1	51	2015	July
		Resort		1	36	2015	July
		Resort		1	73	2015	July
		Resort		1	33	2015	July
		Resort		0	32	2015	July
		Resort		0	8	2015	July
		Resort		0	100	2015	July
		Resort		0	1	2015	July
		Resort		0	100	2015	July
		Resort		0	100	2015	July
##	132	Resort	Hotel	0	9	2015	July

##	133	Resort	Hotel	1	5	2015	July
##	134	Resort	Hotel	0	0	2015	July
##	135	Resort	Hotel	0	9	2015	July
##	136	Resort	Hotel	0	2	2015	July
##	137	Resort	Hotel	0	2	2015	July
##	138	Resort	Hotel	0	9	2015	July
##	139	Resort	Hotel	1	5	2015	July
##	140	Resort	Hotel	0	2	2015	July
##	141	Resort	Hotel	0	44	2015	July
##	142	Resort	Hotel	0	80	2015	July
##	143	Resort	Hotel	0	97	2015	July
##	144	Resort	Hotel	0	109	2015	July
##	145	Resort	Hotel	0	30	2015	July
##	146	Resort	Hotel	0	64	2015	July
##	147	Resort	Hotel	0	39	2015	July
##	148	Resort	Hotel	0	90	2015	July
##	149	Resort	Hotel	1	34	2015	July
##	150	Resort	Hotel	1	93	2015	July
##	151	Resort	Hotel	0	97	2015	July
##	152	Resort	Hotel	0	29	2015	July
##	153	Resort	Hotel	1	101	2015	July
##	154	Resort	Hotel	0	27	2015	July
##	155	Resort	Hotel	0	8	2015	July
##	156	Resort	Hotel	0	82	2015	July
##	157	Resort	Hotel	0	94	2015	July
##	158	Resort	Hotel	0	110	2015	July
##	159	Resort	Hotel	0	96	2015	July
##	160	Resort	Hotel	0	79	2015	July
##	161	Resort	Hotel	0	115	2015	July
##	162	Resort	Hotel	0	111	2015	July
##	163	Resort	Hotel	0	51	2015	July
##	164	Resort	Hotel	0	94	2015	July
##	165	Resort	Hotel	0	81	2015	July
##	166	Resort	Hotel	0	84	2015	July
##	167	Resort	Hotel	0	51	2015	July
##	168	Resort	Hotel	0	111	2015	July
##	169	Resort	Hotel	0	0	2015	July
##	170	Resort	Hotel	0	2	2015	July
##	171	Resort	Hotel	0	7	2015	July
##	172	Resort	Hotel	0	98	2015	July
##	173	Resort	Hotel	0	95	2015	July
##	174	Resort	Hotel	1	48	2015	July
		Resort		0	66	2015	July
		Resort		0	104	2015	July
##	177	Resort	Hotel	0	28	2015	July
##	178	Resort	Hotel	0	34	2015	July
##	179	Resort	Hotel	0	98	2015	July
		Resort		0	104	2015	July
		Resort		0	68	2015	July
		Resort		1	86	2015	July
		Resort		0	258	2015	July
		Resort		0	111	2015	July
		Resort		1	94	2015	July
##	186	Resort	Hotel	0	112	2015	July

##	187	${\tt Resort}$	Hotel	0	100	2015	July
##	188	${\tt Resort}$	Hotel	0	33	2015	July
##	189	Resort	Hotel	0	97	2015	July
##		Resort		0	80	2015	July
##	191	Resort	Hotel	0	90	2015	July
##	192	Resort	Hotel	0	111	2015	July
##	193	${\tt Resort}$	Hotel	0	65	2015	July
##	194	Resort	Hotel	1	67	2015	July
##	195	Resort	Hotel	0	55	2015	July
##	196	Resort	Hotel	0	21	2015	July
##		Resort		0	8	2015	July
##	198	Resort	Hotel	0	8	2015	July
##	199	Resort	Hotel	0	0	2015	July
##	200	Resort	Hotel	0	0	2015	July
##	201	Resort	Hotel	0	0	2015	July
##	202	Resort	Hotel	0	8	2015	July
##	203	Resort	Hotel	0	66	2015	July
##	204	Resort	Hotel	0	88	2015	July
##		Resort		0	0	2015	July
##		Resort		1	43	2015	July
##		Resort		1	88	2015	July
##		Resort		0	54	2015	July
##		Resort		1	292	2015	July
##		Resort		0	112	2015	July
##		Resort		0	68	2015	July
##	212	Resort	Hotel	0	7	2015	July
##		Resort		0	1	2015	July
##		Resort		1	113	2015	July
##		Resort		0	5	2015	July
##		Resort		0	83	2015	July
##		Resort		1	105	2015	July
##		Resort		0	0	2015	July
##		Resort		1	1	2015	July
##		Resort		1	1	2015	July
##		Resort		0	1	2015	July
##		Resort		1	102	2015	July
##		Resort		0	113	2015	July
		Resort		1	280	2015	July
		Resort		0	96	2015	July
		Resort		0	394	2015	July
		Resort		0	33	2015	July
		Resort		0	82	2015	July
		Resort		0	100	2015	July
		Resort		0	100	2015	July
		Resort		0	17	2015	July
		Resort		0	68	2015	July
		Resort		0	12	2015	July
		Resort		1	77	2015	July
		Resort		1	24	2015	July
		Resort		1	44	2015	July
		Resort		0	78 17	2015	July
		Resort		1	17	2015	July
		Resort		1	103	2015	July
##	∠40	Resort	погет	0	16	2015	July

##	241	Resort	Hotel	0	14	2	2015	July
##	242	Resort	Hotel	0	77	2	2015	July
##	243	Resort	Hotel	0	90	2	2015	July
##	244	Resort	Hotel	0	90	2	2015	July
##	245	Resort	Hotel	0	90	2	2015	July
##	246	Resort	Hotel	0	366	2	2015	July
##	247	Resort	Hotel	0	249	2	2015	July
##	248	Resort	Hotel	1	69	2	2015	July
##	249	Resort	Hotel	0	10	2	2015	July
##	250	Resort	Hotel	0	22	2	2015	July
##	251	Resort	Hotel	0	91	2	2015	July
##	252	Resort	Hotel	0	23	2	2015	July
##	253	Resort	Hotel	0	11	2	2015	July
##	254	Resort	Hotel	0	3	2	2015	July
##	255	Resort	Hotel	0	13	2	2015	July
##	256	Resort	Hotel	0	108	2	2015	July
##	257	Resort	Hotel	0	91	2	2015	July
##	258	Resort	Hotel	0	37	2	2015	July
##	259	Resort	Hotel	0	21	2	2015	July
##	260	Resort	Hotel	0	106	2	2015	July
##	261	Resort	Hotel	0	30	2	2015	July
##	262	Resort	Hotel	0	30	2	2015	July
##	263	Resort	Hotel	1	51	2	2015	July
##	264	Resort	Hotel	0	79	2	2015	July
##	265	Resort	Hotel	0	21	2	2015	July
##	266	Resort	Hotel	0	35	2	2015	July
##	267	Resort	Hotel	0	78	2	2015	July
##	268	Resort	Hotel	0	31	2	2015	July
##	269	Resort	Hotel	0	78	2	2015	July
##	270	Resort	Hotel	0	78	2	2015	July
##	271	Resort	Hotel	0	44	2	2015	July
##	272	Resort	Hotel	0	34	2	2015	July
##	273	Resort	Hotel	0	87	2	2015	July
##	274	Resort	Hotel	0	11	2	2015	July
##	275	Resort	Hotel	0	115	2	2015	July
##	276	Resort	Hotel	0	86	2	2015	July
##	277	Resort	Hotel	0	41	2	2015	July
##	278	Resort	Hotel	0	32	2	2015	July
##	279	Resort	Hotel	0	34	2	2015	July
##	280	Resort	Hotel	0	34	2	2015	July
##	281	Resort	Hotel	1	100	2	2015	July
##	282	Resort	Hotel	0	44	2	2015	July
##	283	Resort	Hotel	0	304	2	2015	July
##	284	Resort	Hotel	1	36	2	2015	July
##	285	Resort	Hotel	0	117	2	2015	July
##	286	Resort	Hotel	0	70	2	2015	July
		Resort		0	110		2015	July
##	288	Resort	Hotel	1	109	2	2015	July
##	289	Resort	Hotel	0	33	2	2015	July
##	290	Resort	Hotel	0	33	2	2015	July
##	291	Resort	Hotel	0	33		2015	July
		Resort		0	0		2015	July
##	293	Resort	Hotel	0	0		2015	July
##	294	Resort	Hotel	0	0	2	2015	July

##	295	Resort	Hotel	0	0	2019	5 July
##	296	Resort	Hotel	0	84	2019	5 July
##	297	${\tt Resort}$	Hotel	0	71	2019	5 July
##	298	${\tt Resort}$	Hotel	0	16	2019	5 July
##	299	${\tt Resort}$	Hotel	0	54	2019	5 July
##		arriva	l_date_we	ek_number	arrival_da	te_day_of_month a	stays_in_weekend_nights
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
## ##				27 27		1	0
##				27		1 1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##	18			27		1	0
##	19			27		1	0
##	20			27		1	0
##	21			27		1	1
##				27		1	2
##				27		1	2
##				27		1	2
##				27		1	2
##				27		1	2
## ##				27 27		1 1	2 2
##				27		1	2
##				27		1	2
##				27		1	4
##				27		1	4
##				27		1	2
##	34			27		2	2
##	35			27		2	1
##				27		2	1
##				27		2	1
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##				27		2	1
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##				27 27		2 2	2 2
## ##				27 27		2	2 2
##				27 27		2	2
##				27		2	2
##				27		2	2
				21		2	2

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## 52	27	2	3
## 53	27	2	4
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## 85	27	3	3
## 86	27	3	4
## 87	27	3	4
## 88	27	3	6
## 89	27	3	0
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## 101	27	4	2
## 102	27	4	2

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##	114	27	4	2
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	119	27	4	4
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	123	27	4	0
	124	27	4	0
##	125	27	4	0
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##	127	27	4	0
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	134	28	5	1
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		28		1
	136	28	5	1
	137	28	5	1
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	140	28	5	1
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##	142	28	5	2
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	151	28	5	2
	152	28	5	2
	153	28	5	2
	154	28	5	2
	155	28	5	4
##	156	28	5	4

##	157	28	5	4
##	158	28	5	4
##	159	28	5	4
##	160	28	5	4
##	161	28	6	1
	162	28	6	1
	163	28	6	1
	164	28	6	1
	165	28	6	1
	166	28	6	1
	167	28	6	1
	168	28	6	0
	169	28	6	0
	170	28	6	1
	171	28	6	1
	172	28	6	1
	173	28 28	6	1
	174 175	28	6 6	1 1
	176	28	6	1
	177	28	6	1
	178	28	6	1
	179	28	6	1
	180	28	6	1
	181	28	6	2
	182	28	6	2
	183	28	6	2
	184	28	6	3
##	185	28	6	3
##	186	28	6	3
##	187	28	6	3
##	188	28	6	3
	189	28	6	3
	190	28	6	3
	191	28	6	4
	192	28	6	4
	193	28	6	2
	194	28	7	0
	195	28	7	0
	196	28	7	0
	197	28	7 7	0
	198	28 28	7	0
	199 200	28	7	0
	201	28	7	0
	202	28	7	0
	203	28	7	0
	204	28	7	0
	205	28	7	0
	206	28	7	0
	207	28	7	2
	208	28	7	2
	209	28	7	2
##	210	28	7	4

## 211	28	8	0
## 212	28	8	0
## 213	28	8	0
## 214	28	8	0
## 215	28	8	0
## 216	28	8	0
## 217	28	8	0
## 218	28	8	0
## 219	28	8	0
## 220	28	8	0
## 221	28	8	0
## 222	28	8	1
## 223	28	8	2
## 224	28	8	2
## 225	28	8	2
## 226	28	8	2
## 227	28	8	2
## 228	28	8	2
## 229	28	8	2
## 230	28	8	2
## 231	28	9	0
## 232	28	9	0
## 233	28	9	0
## 234	28	9	0
## 235	28	9	0
## 236	28	9	0
## 237	28	9	0
## 238	28	9	1
## 239	28	9	1
## 240	28	9	1
## 241	28	9	2
## 242	28	9	2
## 243	28	9	2
## 244	28	9	2
## 245	28	9	2
## 246	28	9	2
## 247	28	9	2
## 248	28	9	2
## 249	28	10	0
## 250	28	10	0
## 251	28	10	0
## 252	28	10	0
## 253	28	10	0
## 254	28	10	0
## 255	28	10	0
## 256	28	10	0
## 257	28	10	0
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## 259	28	10	1
## 260	28	10	1
## 261	28	10	2
## 262	28	10	2
## 263	28	10	2
## 264	28	10	2
201			-

##	265		28			1	LO		2
##	266		28			1	LO		2
##	267		28				LO		2
##	268		28				LO		2
	269		28				LO		2
	270		28				10		2
	271		28				LO		2
	272		28				LO		2
	273		28				LO		2
##	274		28			- 1	LO		2
##	275		28				LO		2
##	276		28			1	10		3
##	277		28			-	LO		4
	278		28				LO		4
	279		28				10		2
	280		28				10		2
	281		28				l1		2
	282		28				L1		2
	283		28				l1		2
	284		28				l1		2
	285		28				l1		2
##	286		28			- 1	l1		2
##	287		28			1	l1		2
##	288		28			-	L1		2
##	289		28				l1		2
##	290		28			-	l1		2
	291		28				L1		2
	292		28				l1		0
	293		28				l1		0
	294		28				11		0
	295		28				11		0
	296		28				11		1
	297		28				11		1
	298		28				l1		1
	299		28	1 . 7 1	, , .		l1		2
##		stays_in_week_nights					-	_	
##		0	2	0	0	BB	PRT	Direct	
##		0	2	0	0		PRT	Direct	
##		1	1	0	0	BB	GBR	Direct	
##		1	1	0	0	BB	GBR	-	
##	5	2	2	0	0	BB	GBR	Online TA	
##	6	2	2	0	0	BB	GBR	Online TA	
##	7	2	2	0	0	BB	PRT	Direct	
##	8	2	2	0	0	FB	PRT	Direct	
##	9	3	2	0	0	BB	PRT	Online TA	
##	10	3	2	0	0	HB	PRT	Offline TA/TO	
##		4	2	0	0	BB	PRT	Online TA	
##		4	2	0	0	HB	PRT	Online TA	
##		4	2	0	0	BB	USA	Online TA	
##		4	2	1	0	HB	ESP	Online TA	
##		4	2	0	0	BB	PRT	Online TA	
			2						
##		4		0	0	BB	IRL	Online TA	
	17	4	2	0	0	BB	PRT	Offline TA/TO	
##	18	1	2	0	0	BB	IRL	Online TA	

##		1	2	0	0	BB	FRA	Corporate
##	20	4	2	0	0	BB	GBR	Direct
##	21	4	1	0	0	BB	GBR	Online TA
##	22	4	2	0	0	BB	PRT	Direct
##	23	4	2	0	0	BB	PRT	Direct
##	24	4	2	0	0	BB	PRT	Direct
##	25	5	2	0	0	HB	GBR	Offline TA/TO
##	26	5	2	0	0	BB	PRT	Offline TA/TO
##	27	5	2	0	0	BB	IRL	Offline TA/TO
##	28	5	2	0	0	BB	PRT	Online TA
##	29	5	2	0	0	BB	PRT	Online TA
##	30	5	2	0	0	BB	PRT	Online TA
##	31	10	1	0	0	BB	NULL	Direct
##	32	11	2	0	0	BB	GBR	Offline TA/TO
	33	8	2	0	0	BB	PRT	
								Direct
	34	4	2	0	0	BB	IRL	Offline TA/TO
	35	3	3	0	0	BB	PRT	Online TA
	36	3	3	0	0	BB	PRT	Online TA
##		3	2	0	0	BB	ESP	Online TA
	38	3	3	0	0	BB	PRT	Online TA
	39	3	3	0	0	BB	PRT	Online TA
##		3	2	0	0	HB	ROU	Direct
##	41	3	2	0	0	BB	PRT	Online TA
##	42	3	2	0	0	BB	IRL	Offline TA/TO
##	43	3	2	0	0	BB	ESP	Direct
##	44	3	2	0	0	HB	ROU	Direct
##	45	5	2	0	0	BB	PRT	Online TA
##	46	5	2	2	0	BB	PRT	Online TA
##	47	5	2	0	0	BB	ESP	Offline TA/TO
##	48	5	2	0	0	BB	NOR	Offline TA/TO
##	49	5	2	0	0	HB	GBR	Offline TA/TO
##	50	5	2	0	0	HB	IRL	Online TA
	51	5	2	0	0	BB	NOR	Offline TA/TO
	52	8	2	0	0	BB	IRL	Offline TA/TO
	53	10	2	0	0	BB	OMN	Offline TA/TO
	54	1	2	0	0	BB	ESP	Online TA
##		1	2	0	0	BB	ARG	Online TA
##		1	2	2	0	BB	ESP	Direct
##		1	2	0	0	BB	PRT	Direct
##		1	2	0	0	BB	PRT	Online TA
##		1	2	0	0		PRT	
##			2			BB		Direct
		2		0	0	BB	USA	Online TA
##		2	2	0	0	BB	PRT	Online TA
##		2	2	0	0	BB	IRL	Online TA
##		3	2	0	0	BB	ESP	Direct
##		3	2	0	0	BB	IRL	Offline TA/TO
##		3	2	0	0	HB	PRT	Online TA
##		2	2	2	0	BB	USA	Online TA
##		2	2	0	0	BB	ESP	Online TA
##		2	2	0	0	BB	POL	Online TA
##		2	3	0	0	BB	PRT	Offline TA/TO
##	70	2	2	0	0	BB	PRT	Online TA
##	71	2	2	0	0	BB	PRT	Online TA
##	72	2	2	0	0	BB	PRT	Online TA

##		2	2	0	0	HB	PRT	Offline TA/TO
	74	2	2	0	0	BB	ESP	Online TA
##	75	2	3	0	0	BB	PRT	Online TA
##	76	2	2	0	0	BB	ESP	Online TA
##	77	2	2	0	0	BB	PRT	Online TA
##	78	2	1	0	0	BB	PRT	Online TA
##	79	2	2	0	0	BB	DEU	Offline TA/TO
##	80	6	3	0	0	BB	PRT	Offline TA/TO
##	81	7	2	0	0	BB	FRA	Offline TA/TO
##	82	7	2	0	0	BB	PRT	Offline TA/TO
	83	7	2	0	0	BB	GBR	Offline TA/TO
	84	7	2	0	0	HB	PRT	Direct
##		7	2	0	0	HB	GBR	Offline TA/TO
	86	10	2	0	0	HB	GBR	Offline TA/TO
	87	10	2	0	0	BB	GBR	Online TA
	88	15	2	1	0	BB	PRT	Offline TA/TO
##		1	2	0	0	BB	GBR	Online TA
##		1	2	0	0	BB	PRT	Online TA
##		1	2	0	0	BB	ESP	Online TA
	92	1	2	0	0	BB	PRT	Online TA
	93	1	2	0	0	BB	USA	Online TA
	94	1	2	0	0	BB	BEL	Online TA
##		2	2	0	0	BB	PRT	Online TA
##		2	2	0	0	BB	PRT	Online TA
	97	5	2	0	0	BB	PRT	Online TA
	98	5	3	0	0	HB	ESP	Offline TA/TO
##		5	2	1	0	BB	PRT	Online TA
	100	5	2	0	0	BB	DEU	Direct
	101	1	2	0	0	BB	ESP	Direct
	102	1	2	0	0	BB	FRA	Offline TA/TO
	103	4	1	2	0	BB	FRA	Offline TA/TO
	104	4	2	0	0	BB	PRT	Online TA
##	100		2	_	_	BB	שתת	
	105	5	2	0	0	ББ	PRT	Online TA
##	106	5	2	0 2	0	BB	PRT	Online TA Online TA
		5 5						
##	106	5	2	2	0	BB	PRT	Online TA
## ##	106 107	5 5	2 3	2 0	0 0	BB HB	PRT PRT	Online TA Direct
## ## ##	106 107 108	5 5 5	2 3 2	2 0 0	0 0 0	BB HB BB	PRT PRT PRT	Online TA Direct Online TA Offline TA/TO
## ## ## ##	106 107 108 109	5 5 5	2 3 2 2	2 0 0 0	0 0 0	BB HB BB	PRT PRT PRT PRT	Online TA Direct Online TA
## ## ## ##	106 107 108 109 110	5 5 5 5	2 3 2 2 2	2 0 0 0	0 0 0 0	BB HB BB BB	PRT PRT PRT PRT PRT	Online TA Direct Online TA Offline TA/TO Online TA
## ## ## ## ##	106 107 108 109 110	5 5 5 5 5 5 5 5	2 3 2 2 2 2 2	2 0 0 0 0	0 0 0 0 1	BB HB BB BB BB	PRT PRT PRT PRT PRT CHE PRT	Online TA Direct Online TA Offline TA/TO Online TA Online TA Online TA
## ## ## ## ##	106 107 108 109 110 111 112 113	5 5 5 5 5 5 5 5	2 3 2 2 2 2 2 2	2 0 0 0 0 0 0	0 0 0 0 1 0	BB HB BB BB HB BB	PRT PRT PRT PRT PRT CHE PRT GBR	Online TA Direct Online TA/TO Offline TA/TO Online TA Online TA Online TA
## ## ## ## ## ##	106 107 108 109 110 111 112 113	5 5 5 5 5 5 5 6	2 3 2 2 2 2 2 2 2 3	2 0 0 0 0 0 0	0 0 0 0 1 0 1 0	BB HB BB BB HB BB BB	PRT PRT PRT PRT PRT CHE PRT GBR PRT	Online TA Direct Online TA/TO Offline TA/TO Online TA Online TA Online TA Online TA Online TA
## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114	5 5 5 5 5 5 5 6 6	2 3 2 2 2 2 2 2 2 3 2	2 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0	BB HB BB BB HB BB BB BB	PRT PRT PRT PRT PRT CHE PRT GBR PRT PRT	Online TA Direct Online TA/TO Offline TA/TO Online TA Online TA Online TA Online TA Online TA Online TA
## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116	5 5 5 5 5 5 5 6 6 6	2 3 2 2 2 2 2 2 2 3 2 2	2 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0	BB HB BB BB BB HB BB BB BB	PRT PRT PRT PRT PRT CHE PRT GBR PRT PRT PRT	Online TA Direct Online TA Offline TA/TO Online TA
## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116	5 5 5 5 5 5 5 6 6 6 6	2 3 2 2 2 2 2 2 2 3 2 2 2	2 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0	BB HB BB BB BB BB BB BB BB BB	PRT PRT PRT PRT CHE PRT GBR PRT PRT PRT CBR	Online TA Direct Online TA Offline TA/TO Online TA
## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117	5 5 5 5 5 5 5 6 6 6 6 6	2 3 2 2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0	BB HB BB BB HB BB BB BB BB BB BB	PRT PRT PRT PRT CHE PRT GBR PRT PRT PRT PRT PRT PRT GBR	Online TA Direct Online TA/TO Online TA
## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118	5 5 5 5 5 5 5 6 6 6 6 6 6	2 3 2 2 2 2 2 2 3 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0 0	BB HB BB BB HB BB BB BB BB BB BB	PRT PRT PRT PRT CHE PRT GBR PRT PRT PRT PRT PRT PRT PRT PRT	Online TA Direct Online TA/TO Online TA Direct
## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118 119	5 5 5 5 5 5 5 6 6 6 6 6 1	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0 0 0	BB HB BB	PRT PRT PRT PRT CHE PRT GBR PRT PRT PRT PRT PRT PRT PRT PRT PRT	Online TA Direct Online TA/TO Online TA Online TA/TO Offline TA/TO Direct Online TA
## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121	5 5 5 5 5 5 6 6 6 6 6 1 1	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0 0 0	BB HB BB B	PRT PRT PRT PRT CHE PRT GBR PRT PRT GBR PRT PRT PRT PRT PRT PRT	Online TA Direct Online TA/TO Online TA Online TA/TO Offline TA/TO Direct Online TA/TO
## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	5 5 5 5 5 5 5 6 6 6 6 6 1 1	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0 0 0 0	BB HB BB BB HB BB BB BB BB BB BB BB BB B	PRT PRT PRT PRT CHE PRT GBR PRT PRT GBR PRT PRT PRT FRT PRT PRT PRT	Online TA Direct Online TA Offline TA/TO Online TA Online TA/TO Offline TA/TO Direct Online TA Offline TA/TO Online TA
## ## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	5 5 5 5 5 5 5 6 6 6 6 6 1 1 1	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0 0 0 0 0	BB HB BB BB HB BB BB BB BB BB BB BB BB B	PRT PRT PRT PRT CHE PRT GBR PRT PRT GBR PRT PRT PRT PRT PRT PRT PRT PRT	Online TA Direct Online TA/TO Online TA Online TA/TO Offline TA/TO Direct Online TA/TO Online TA Online TA Offline TA/TO Direct Online TA Online TA
## ## ## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124	5 5 5 5 5 5 5 6 6 6 6 6 1 1 1 1	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 0 1 0 0 0 0 0 0 0	BB HB BB B	PRT PRT PRT PRT CHE PRT GBR PRT PRT GBR PRT PRT PRT PRT PRT PRT PRT PRT PRT PR	Online TA Direct Online TA Offline TA/TO Online TA Online TA/TO Offline TA/TO Direct Online TA Offline TA/TO Online TA Offline TA/TO Online TA Online TA
## ## ## ## ## ## ## ## ## ## ## ## ##	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123	5 5 5 5 5 5 5 6 6 6 6 6 1 1 1	2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0 0 0 0 0 0 0	BB HB BB BB HB BB BB BB BB BB BB BB BB B	PRT PRT PRT PRT CHE PRT GBR PRT PRT GBR PRT PRT PRT PRT PRT PRT PRT PRT	Online TA Direct Online TA/TO Online TA Online TA/TO Offline TA/TO Direct Online TA/TO Online TA Online TA Offline TA/TO Direct Online TA Online TA

##	127	1	2	0	0	BB	ESP	Online TA
	128	1	2	0	0	BB	FRA	Online TA
	129	1	2	0	0	BB	PRT	Online TA
	130	1	2	0	0	BB	FRA	Online TA
	131	1	2	0	0	BB	FRA	Online TA
	132	0	2	0	0	BB	ESP	Online TA
	133	0	2	0	0	BB	PRT	Online TA
	134	0	2	0	0	BB	ESP	Online TA
	135	0	1	0	0	BB	DEU	Online TA
	136	0	1	0	0	BB	PRT	Online TA
	137	0	2	0	0	BB	PRT	Online TA
	138	0	1	0	0	BB	DEU	Online TA
	139	0	2	0	0	BB	PRT	Online TA
	140	0	2	0	0	BB	PRT	Direct
	141	0	3	0	0	HB	PRT	Online TA
	142	0	2	0	0	ВВ	FRA	Online TA
	143	2	2	0	0			
		3				BB	ESP	Online TA
	144	3 3	2 2	1 0	0	BB	CN ESP	Offline TA/TO
	145				0	BB		Online TA
	146	3	2	0	0	BB	PRT	Online TA
	147	4	2	0	0	BB	ESP	Online TA
	148	4	2	0	0	BB	PRT	Online TA
	149	4	2	2	0	BB	PRT	Online TA
	150	5	2	0	0	HB	PRT	Offline TA/TO
	151	5	2	2	0	HB	PRT	Direct
	152	5	2	0	0	BB	IRL	Online TA
	153	5	2	0	0	HB	PRT	Online TA
	154	5	2	0	0	BB	ESP	Offline TA/TO
	155	5	2	2	0	BB	CHE	Online TA
	156	6	2	0	0	BB	PRT	Offline TA/TO
	157	6	3	0	0	BB	PRT	Direct
	158	7	2	0	0	BB	GBR	Offline TA/TO
	159	10	1	0	0	HB	GBR	Offline TA/TO
	160	10	2	0	0	HB	GBR	Offline TA/TO
	161	4	2	2	0	BB	PRT	Online TA
	162	3	2	0	0	BB	PRT	Online TA
	163	3	2	0	0	BB	USA	Online TA
	164	3	3	0	0	BB	CN	Offline TA/TO
	165	3	2	2	0	HB	CHE	Direct
	166	3	2	0	1	BB	PRT	Online TA
	167	3	3	0	0	BB	USA	Online TA
	168	0	2	0	0	BB	PRT	Online TA
	169	0	1	0	0	BB	PRT	Direct
	170	0	2	1	0	BB	PRT	Direct
	171	1	2	0	0	BB	PRT	Online TA
##	172	1	2	0	0	BB	USA	Online TA
##	173	2	2	0	0	BB	GRC	Online TA
##	174	3	2	0	0	HB	PRT	Online TA
##	175	3	2	0	0	HB	PRT	Offline TA/TO
##	176	3	2	0	0	BB	PRT	Online TA
##	177	4	2	0	0	BB	PRT	Online TA
##	178	4	2	0	0	HB	PRT	Direct
##	179	5	2	0	0	HB	ESP	Online TA
##	180	5	2	0	0	BB	PRT	Online TA

##	181	5	2	2	0	НВ	PRT	Online TA
	182	5	1	0	0	HB	PRT	Offline TA/TO
##	183	5	2	0	0	BB	GBR	Offline TA/TO
##	184	5	2	0	0	HB	PRT	Online TA
##	185	7	2	0	0	BB	PRT	Online TA
##	186	7	2	0	0	BB	GBR	Offline TA/TO
##	187	7	2	0	0	BB	GBR	Offline TA/TO
##	188	7	2	0	0	HB	PRT	Direct
##	189	7	2	0	0	HB	GBR	Offline TA/TO
##	190	8	1	0	0	BB	FRA	Direct
##	191	10	2	0	0	BB	ITA	Offline TA/TO
##	192	10	2	0	0	BB	GBR	Offline TA/TO
##	193	5	2	0	0	BB	PRT	Offline TA/TO
##	194	2	2	0	0	BB	PRT	Online TA
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##	196	3	2	1	0	HB	PRT	Direct
##	197	0	2	0	0	BB	PRT	Direct
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##	199	1	1	0	0	BB	GBR	Online TA
##	200	1	3	0	0	HB	PRT	Direct
##	201	1	1	0	0	BB	GBR	Online TA
##	202	4	3	2	0	BB	ESP	Online TA
##	203	4	2	0	0	BB	PRT	Online TA
##	204	4	3	0	0	HB	USA	Offline TA/TO
##	205	4	2	0	0	BB	NLD	Direct
##	206	5	2	0	0	HB	PRT	Offline TA/TO
##	207	5	2	0	0	HB	PRT	Online TA
##	208	5	2	0	0	BB	IRL	Offline TA/TO
##	209	5	2	0	0	BB	PRT	Offline TA/TO
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	211	3	2	0	0	BB	GBR	Online TA
##	212	4	2	0	0	BB	PRT	Online TA
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	214	4	2	0	0	BB	PRT	Online TA
	215	4	2	0	0	BB	ESP	Online TA
	216	4	2	0	0	BB	PRT	Offline TA/TO
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	218	1	1	0	0	BB	PRT	Offline TA/TO
	219	1	2	0	0	BB	PRT	Corporate
	220	1	2	0	0	BB	PRT	Corporate
	221	2	2	0	0	BB	CHE	Corporate
	222	4	2	0	0	BB	PRT	Direct
	223	4	2	0	0	BB	PRT	Direct
	224	5	2	1	0	HB	PRT	Offline TA/TO
	225	5	2	0	0	BB	GBR	Online TA
	226	5	2	0	0	HB	GBR	Offline TA/TO
	227	5	2	0	0	HB	PRT	Online TA
	228	6	3	0	0	BB	IRL	Direct
	229	7	3	0	0	BB	DNK	Online TA
	230	7	2	0	0	BB	DNK	Online TA
	231	1	2	2	0	BB	PRT	Online TA
	232	2	3	0	0	BB	ARG	Direct
	233	2	2	2	0	BB	PRT	Direct
##	234	3	2	0	0	BB	PRT	Direct

##	235	3	2	2	0	BB	PRT	Online TA
##	236	3	2	2	0	BB	PRT	Online TA
##	237	3	2	0	1	BB	PRT	Online TA
##	238	3	2	0	0	BB	PRT	Online TA
##	239	3	2	0	0	BB	PRT	Online TA
##	240	3	1	0	0	BB	RUS	Direct
##	241	3	2	0	0	BB	SWE	Online TA
##	242	3	2	0	0	BB	POL	Offline TA/TO
	243	5	2	0	0	BB	FRA	Offline TA/TO
	244	5	2	0	0	BB	GBR	Offline TA/TO
	245	5	2	0	0	BB	GBR	Offline TA/TO
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	247	5	2	0	0	HB	PRT	Online TA
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	249	1	2	0	0	BB	USA	Direct
	250	2	2	0	0	BB	PRT	Online TA
	251	2	2	0	0	BB	PRT	Online TA
		2	2					
	252			0	0	BB	PRT	Online TA
	253	2	2	0	0	BB	PRT	Online TA
	254	2	2	0	0	BB	PRT	Online TA
	255	2	2	1	0	HB	PRT	Online TA
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	257	2	2	0	0	BB	PRT	Online TA
	258	2	2	0	0	BB	GBR	Online TA
	259	2	2	0	0	BB	AUS	Direct
	260	2	2	0	0	BB	GBR	Online TA
	261	2	2	0	0	FB	PRT	Direct
	262	2	2	0	0	FB	PRT	Direct
	263	3	2	0	0	BB	PRT	Online TA
	264	3	2	0	0	BB	POL	Online TA
	265	3	2	0	2	HB	PRT	Direct
	266	3	2	2	0	BB	EST	Online TA
	267	5	2	0	0	HB	PRT	Online TA
	268	5	2	0	0	HB	PRT	Direct
	269	5	2	0	0	HB	PRT	Online TA
	270	5	2	0	0	HB	PRT	Online TA
##	271	5	1	0	0	HB	RUS	Offline TA/TO
##	272	5	2	1	0	HB	GBR	Online TA
##	273	5	2	1	1	FB	PRT	Offline TA/TO
##	274	6	3	1	0	BB	PRT	Direct
##	275	7	2	0	0	BB	IRL	Online TA
##	276	7	2	0	0	BB	PRT	Online TA
##	277	7	2	0	1	BB	GBR	Online TA
##	278	9	2	0	0	BB	DNK	Online TA
##	279	5	2	1	0	HB	GBR	Online TA
	280	5	2	0	0	HB	GBR	Online TA
	281	3	2	1	0	HB	PRT	Offline TA/TO
	282	3	2	0	0	BB	ESP	Online TA
	283	4	2	0	1	BB	PRT	Direct
	284	4	2	0	0	BB	PRT	Online TA
	285	4	3	0	0	HB	PRT	Offline TA/TO
	286	4	2	0	0	BB	ESP	Online TA
	287	5	2	0	0	BB	PRT	Direct
	288	5	2	0	0	BB	PRT	Online TA
		•	_	•	•			5 III

	289	2	2	0	0	BB	GBR	Online TA
	290	2	2	0	0	BB	PRT	Online TA
##	291	2	2	0	0	BB	CZE	Online TA
##	292	1	1	0	0	BB	GBR	Direct
##	293	1	2	0	0	HB	DEU	Online TA
##	294	1	2	0	0	BB	ESP	Direct
##	295	1	2	0	0	BB	ESP	Online TA
##	296	1	2	0	0	HB	PRT	Corporate
	297	1	2	0	0	BB	ESP	Offline TA/TO
##	298	1	2	0	0	BB	ROU	Online TA
##	299	1	2	0	0	BB	PRT	Online TA
##		${\tt distribution_channel}$	is_repe	eated_guest	previo	ous_ca	ancellat	ions
##	1	Direct		0				0
##	2	Direct		0				0
##	3	Direct		0				0
##	4	Corporate		0				0
##	5	TA/TO		0				0
##	6	TA/TO		0				0
	7	Direct		0				0
	8	Direct		0				0
##		TA/TO		0				0
	10	TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
	15	TA/TO		0				0
	16	TA/TO		0				0
	17	TA/TO		0				0
##		TA/TO		0				0
##		Corporate		0				0
##		Direct		0				0
##		TA/TO		0				0
##		Direct		0				0
##		Direct		0				0
	24	Direct		0				0
##		TA/TO		0				0
##		TA/TO		0				0
## ##		TA/TO		0				0
##		TA/TO TA/TO		0				0
##		TA/TO		0				0
##		Direct		0				0
	32	TA/TO		0				0
##		Direct		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		Direct		0				0
##		TA/TO		0				0
	42	TA/TO		0				0

##	43	Direct	0	0
	44	Direct	0	0
##	45	TA/TO	0	0
##	46	TA/TO	0	0
##	47	TA/TO	0	0
##	48	TA/TO	0	0
##	49	TA/TO	0	0
##	50	TA/TO	0	0
##	51	TA/TO	0	0
##	52	TA/TO	0	0
	53	TA/TO	0	0
	54	TA/TO	0	0
	55	TA/TO	0	0
	56	Direct	0	0
	57	Direct	0	0
	58	TA/TO	0	0
	59	Direct	0	0
##		TA/TO	0	0
##		TA/TO	0	0
	62 63	TA/TO Direct	0 0	0
	64	TA/TO	0	0
	65	TA/TO	0	0
	66	TA/TO	0	0
	67	TA/TO	0	0
	68	TA/TO	0	0
	69	TA/TO	0	0
	70	TA/TO	0	0
##		TA/TO	0	0
	72	TA/TO	0	0
##	73	TA/TO	0	0
##	74	TA/TO	0	0
##	75	TA/TO	0	0
##	76	TA/TO	0	0
##	77	TA/TO	0	0
	78	TA/TO	0	0
##		TA/TO	0	0
##		TA/TO	0	0
##		TA/TO	0	0
	82	TA/TO	0	0
	83	TA/TO	0	0
	84	Direct	0	0
	85 86	TA/TO	0 0	0
	87	TA/TO TA/TO	0	0
	88	TA/TO	0	0
	89	TA/TO	0	0
	90	TA/TO	0	0
##		TA/TO	0	0
	92	TA/TO	0	0
	93	TA/TO	0	0
	94	TA/TO	0	0
	95	TA/TO	0	0
	96	TA/TO	0	0

##	97	TA/TO	0	0
##	98	TA/TO	0	0
##	99	TA/TO	0	0
##	100	Direct	0	0
	101	Direct	0	0
	102	TA/TO	0	0
	103	TA/TO	0	0
	104	TA/TO	0	0
	105	TA/TO	0	0
	106	TA/TO	0	0
	107	Direct	0	0
	108	TA/TO		0
			0	
	109	TA/TO	0	0
	110	TA/TO	0	0
	111	TA/TO	0	0
	112	TA/TO	0	0
	113	TA/TO	0	0
	114	TA/TO	0	0
	115	TA/TO	0	0
	116	TA/TO	0	0
	117	TA/TO	0	0
	118	TA/TO	0	0
	119	Direct	0	0
	120	TA/TO	0	0
	121	TA/TO	0	0
	122	TA/TO	0	0
	123	Direct	0	0
	124	TA/TO	0	0
	125	TA/TO	0	0
	126	Direct	0	0
	127	TA/TO	0	0
	128	TA/TO	0	0
	129	TA/TO	0	0
##	130	TA/TO	0	0
	131	TA/TO	0	0
##	132	TA/TO	0	0
##	133	TA/TO	0	0
##	134	TA/TO	0	0
##	135	TA/TO	0	0
##	136	TA/TO	0	0
##	137	TA/TO	0	0
##	138	TA/TO	0	0
##	139	TA/TO	0	0
##	140	Direct	0	0
##	141	TA/TO	0	0
##	142	TA/TO	0	0
##	143	TA/TO	0	0
##	144	TA/TO	0	0
##	145	TA/TO	0	0
##	146	TA/TO	0	0
##	147	TA/TO	0	0
##	148	TA/TO	0	0
##	149	TA/TO	0	0
##	150	TA/TO	0	0

##	151	Direct	0 0
##	152	TA/TO	0 0
##	153	TA/TO	0 0
	154	TA/TO	0 0
	155	TA/TO	0 0
##	156	TA/TO	0 0
##	157	Direct	0 0
##	158	TA/TO	0 0
	159	TA/TO	0 0
	160	TA/TO	0 0
	161	TA/TO	0 0
	162	TA/TO	0 0
	163	TA/TO	0 0
	164	TA/TO	0 0
	165	Direct	0 0
	166	TA/TO	0 0
	167	TA/TO	0 0
	168	TA/TO	0 0
	169	Direct	0 0
	170	Direct	0 0
	171	TA/TO	0 0
	172	TA/TO	0 0
	173	TA/TO	0 0
	174	TA/TO	0 0
	175	TA/TO	0 0
	176	TA/TO	0 0
	177	TA/TO	0 0
	178	Direct	0 0
	179	TA/TO	0 0
	180	TA/TO	0 0
	181	TA/TO	0 0
	182	TA/TO	0 0
	183	TA/TO	0 0
	184	TA/TO	0 0
	185	TA/TO	0 0
	186	TA/TO	0 0
	187	TA/TO	0 0
	188	Direct	0 0
	189	TA/TO	0 0
	190	Direct	0 0
	191	TA/TO	0 0
	192	TA/TO	0 0
	193	TA/TO	0 0
	194	TA/TO	0 0
	195	TA/TO	0 0
	196	Direct	0 0
	197	Direct	0 0
	198 199	TA/TO	0 0
		TA/TO	
	200	Direct	0 0
	201 202	TA/TO TA/TO	0 0
	202		
	203	TA/TO TA/TO	0 0
##	20 4	IA/ IU	0

	205	Direct	0	0
	206	TA/TO	0	0
	207	TA/TO	0	0
	208	TA/TO	0	0
	209	TA/TO	0	0
	210	TA/TO	0	0
	211	TA/TO	0	0
	212	TA/TO	0	0
	213	TA/TO	0	0
	214	TA/TO	0	0
	215	TA/TO	0	0
	216	TA/TO	0	0
	217	TA/TO	0	0
	218	TA/TO	0	0
	219	Corporate	0	0
	220	Corporate	0	0
	221	Corporate	0	0
	222	Direct	0	0
	223	Direct	0	0
	224	TA/TO	0	0
	225	TA/TO	0	0
	226	TA/TO	0	0
	227	TA/TO	0	0
	228	Direct	0	0
	229	TA/TO	0	0
	230	TA/TO	0	0
	231	TA/TO	0	0
	232	Direct	0	0
	233	Direct	0	0
	234	Direct	0	0
	235	TA/TO	0	0
	236	TA/TO	0	0
	237	TA/TO TA/TO	0	0
	238239		0	0
	240	TA/TO Direct	0 0	0
	241	TA/TO	0	0
	242	TA/TO	0	0
	243	TA/TO	0	0
	244	TA/TO	0	0
	245	TA/TO	0	0
	246	TA/TO	0	0
	247	TA/TO	0	0
	248	TA/TO	0	0
	249	Direct	0	0
	250	TA/TO	0	0
	251	TA/TO	0	0
	252	TA/TO	0	0
	253	TA/TO	0	0
	254	TA/TO	0	0
	255	TA/TO	0	0
	256	TA/TO	0	0
	257	TA/TO	0	0
##	258	TA/TO	0	0

шш	050	Discost	^		^
	259	Direct	0		0
	260	TA/TO	0		0
	261	Direct	0		0
##	262	Direct	0		0
##	263	TA/TO	0		0
##	264	TA/TO	0		0
	265	Direct	0		0
	266	TA/TO	0		0
	267	TA/TO	0		0
	268				0
		Direct	0		
	269	TA/TO	0		0
	270	TA/TO	0		0
	271	TA/TO	0		0
	272	TA/TO	0		0
##	273	TA/TO	0		0
##	274	Direct	0		0
##	275	TA/TO	0		0
##	276	TA/TO	0		0
	277	TA/TO	0		0
	278	TA/TO	0		0
	279	TA/TO	0		0
	280	TA/TO	0		0
	281	TA/TO	0		0
	282				
		TA/TO	0		0
	283	TA/TO	0		0
	284	TA/TO	0		0
	285	TA/TO	0		0
	286	TA/TO	0		0
	287	Direct	0		0
##	288	TA/TO	0		0
##	289	TA/TO	0		0
##	290	TA/TO	0		0
##	291	TA/TO	0		0
##	292	Direct	0		0
	293	TA/TO	0		0
	294	Direct	0		0
	295	TA/TO	0		0
	296		0		0
	297	Corporate TA/TO	0		0
	298	TA/TO	0		0
	299				
	299	TA/TO	0		0
##		previous_bookings_not_	canceled reserved_room		
##			0	C	C
##			0	C	C
##			0	A	C
##			0	A	A
##			0	A	A
##	6		0	Α	Α
##	7		0	C	C
##	8		0	C	C
##	9		0	A	A
##			0	D	D
##			0	E	Е
##			0	D	D
			~	-	D

##	13	0	D	Ε
##	14	0	G	G
##	15	0	E	E
##	16	0	D	E
##	17	0	E	Ε
##	18	0	A	E
##	19	0	A	G
##	20	0	G	G
##	21	0	F	F
##	22	0	A	Α
##	23	0	A	Α
##	24	0	D	D
##	25	0	D	Ι
##	26	0	D	D
	27	0	D	D
	28	0	E	Ε
	29	0	A	Α
	30	0	D	D
	31	0	A	Α
	32	0	D	D
##		0	E	E
##		0	A	C
##		0	D	D
##		0	D	D
##		0	A	C
##		0	D	D
##		0	D	D
##		0	E	E
##		0	G	G
##		0	D —	D
##		0	F	F
##		0	E	E
##		0	A	A
##		0	G	G
##		0	A	A
##		0	E	E
##		0	A	В
## ##		0	E	F
##		0	D A	D ^
##		0	D	A D
##		0	A	C
##		0	Н	Н
##		0	C	С
##		0	Н	Н
##		0	A	D
##		0	G	G
##		0	A	C
##		0	G	G
##		0	E	E
##		0	F	F
##		0	A	C
##		0	A	A
##		0	G	Н
				-

##	67	0	A	С
##	68	0	D	D
##	69	0	A	Α
##	70	0	A	Α
##	71	0	D	D
	72	0	A	Α
##		0	A	Α
##		0	A	Α
	75	0	A	Α
	76	0	A	Α
	77	0	E	Ε
	78	0	A	Α
##		0	A	Α
##		0	D	D
##		0	A	A
##		0	A	A
##		0	A	A
##		0	A	A
##		0	E	E
##		0	E	E
##		0	F	F
##		0	A	A
##		0	A	C
##		0	A	C
##		0	A	C
##		0	E	E
##		0	C	C
##		0	A	A
##		0	A	A
##		0	A	A
##		0	F	F
##		0	E	E
##		0	D	D
	100	0	E	E
	101	0	A	С
	102	0	D	D
	103	0	F	F
	104	0	A	С
	105	0	E	E
	106	0	Н	Н
	107	0	D	D
	108	0	A	A
	109	0	A	A
	110	0	A	A
	111	0	D	D
	112	0	E	F
	113	0	A	A
	114	0	E	E
	115	0	E	E
	116	0	A	A
	117	0	D	D
	118	0	D D	D
	119	0	D D	D
	120	0	Н	G
##	120	O .	11	G

##	121	0	D	С
	122	0	A	A
	123	0	E	G
	124	0	A	A
	125	0	D	D
	126	0	Н	Н
	127	0	E	E
	128	0	A	С
	129	0	A	A
	130	0	A	A
	131	0	A	C
	132	0	A	C
	133	0	D	D
	134	0	A	C
	135	0	A	A
	136	0	A	D
	137	0	A	E
	138	0	A	A
	139	0	D	D
	140	0	G	G
	141	0	G	G
	142	0	D	E
	143	0	D	D
	144	0	A	D
	145	0	E	E
	146	0	E	E
	147	0	Н	Н
	148	0	A	A
	149	0	Н	Н
	150	0	D	D
	151	0	C	С
	152	0	F	F
	153	0	A	A
	154	0	E	E
	155	0	Н	Н
	156	0	D	D
	157	0	D	C
	158	0	D	D
	159	0	A	A
	160	0	D	D
	161	0	G	G
	162	0	A	C
	163	0	G	G
	164	0		D
	165	0	G	G
	166	0	D	E
	167	0	G	G
	168	0		Н
	169	0	E	Н
	170	0	A	E
	171	0	A	E
	172	0	D	F
	173	0	D	D
	174	0	E	E
	-· -	~	_	-

##	175	0	A	E
	176	0	A	C
	177		E	E
		0		
	178	0	F	F
	179	0	A	C
	180	0	E	E
	181	0	G	G
	182	0	A	Α
	183	0	A	Α
	184	0	A	C
##	185	0	D	D
##	186	0	A	Α
##	187	0	D	D
##	188	0	F	F
##	189	0	D	D
##	190	0	A	Α
	191	0	D	D
	192	0	A	Α
	193	0	D	D
	194	0	A	A
	195	0	A	A
	196	0	F	F
	197	0	A	A
	198	0	A	E
	199	0	A	A
	200	0	C	C
	201	0	A	A
	202	0	Н	Н
	203		D	D D
	204	0		
	205	0	D	E
	206	0	A	A
	207	0	A	A
		0	E	E
	208	0	D	D
	209	0	A	A
	210	0	D	D
	211	0	E	E
	212	0	A	A
	213	0	A	A
	214	0	A	Α
	215	0	D	D
	216	0	A	Α
	217	0	A	Α
	218	0	A	Α
	219	0	A	Α
	220	0	A	Α
	221	0	A	F
	222	0	A	Α
	223	0	E	E
	224	0	D	D
	225	0	E	F
	226	0	D	D
##	227	0	E	E
##	228	0	A	Α

##	220	0	D	
	229	0	E	Ε
	230	0	E	E
	231	0	C	С
##	232	0	A	C
##	233	0	Н	G
##	234	0	D	D
##	235	0	С	С
	236	0	G	G
	237	0	A	A
	238			
		0	A	A
	239	0	A	A
	240	0	A	A
##	241	0	A	A
##	242	0	A	Α
##	243	0	A	D
##	244	0	A	Α
##	245	0	E	Е
	246	0	E	E
	247	0	A	A
	248	0	A	A
	249	0	A	A
	250	0	A	A
	251	0	A	A
	252	0	A	A
##	253	0	A	Α
##	254	0	A	Α
##	255	0	G	G
##	256	0	D	D
##	257	0	A	Α
##	258	0	C	С
	259	0	A	С
	260	0	E	E
	261	0	F	F
	262	0	F	F
	263			
		0	E	E
	264	0	A	A
	265	0	C	С
	266	0	G	G
	267	0	A	A
	268	0	D	D
##	269	0	D	D
##	270	0	E	Е
##	271	0	E	E
	272	0	F	F
	273	0	С	С
	274	0	C	C
	275	0	A	A
	276	0		D
	277	0	F	F
	278	0	C	C
	279	0		D
	280	0	F	F
	281	0	A	Α
##	282	0	A	Α

```
## 283
                                         0
                                                              Α
## 284
                                         0
                                                              Ε
## 285
                                         0
                                                              D
## 286
                                         0
                                                              Α
## 287
                                         0
                                                              Ε
## 288
                                         0
                                                              Α
## 289
                                         0
                                                              Ε
## 290
                                         0
                                                              Ε
## 291
                                         0
                                                              Ε
## 292
                                         0
                                                              A
## 293
                                         0
                                                              Α
                                                              G
## 294
                                         0
                                         0
## 295
                                                              Α
## 296
                                         0
                                                              Α
## 297
                                         0
                                                              Α
## 298
                                         0
                                                              С
## 299
                                         0
                                                              Ε
##
        booking_changes deposit_type agent company days_in_waiting_list
## 1
                       3
                            No Deposit
                                         NULL
                                                   NULL
  2
##
                        4
                            No Deposit
                                          NULL
                                                   NULL
                                                                              0
## 3
                       0
                            No Deposit
                                          NULL
                                                   NULL
                                                                              0
## 4
                        0
                                           304
                                                   NULL
                                                                              0
                            No Deposit
## 5
                                                   NULL
                                                                              0
                       0
                            No Deposit
                                           240
## 6
                       0
                                           240
                                                   NULL
                                                                              0
                            No Deposit
## 7
                                                                              0
                       0
                            No Deposit
                                          NULL
                                                   NULL
## 8
                       0
                            No Deposit
                                           303
                                                   NULL
                                                                              0
## 9
                       0
                                           240
                                                   NULL
                                                                              0
                            No Deposit
## 10
                                            15
                                                   NULL
                                                                              0
                       0
                            No Deposit
                                                                              0
## 11
                       0
                                           240
                                                   NULL
                            No Deposit
## 12
                       0
                            No Deposit
                                           240
                                                   NULL
                                                                              0
## 13
                       0
                            No Deposit
                                           240
                                                   NULL
                                                                              0
## 14
                       1
                            No Deposit
                                           241
                                                   NULL
                                                                              0
                                                                              0
##
  15
                        0
                            No Deposit
                                           241
                                                   NULL
## 16
                       0
                                           240
                                                   NULL
                                                                              0
                            No Deposit
## 17
                        0
                            No Deposit
                                             8
                                                   NULL
                                                                              0
## 18
                       0
                                           240
                                                   NULL
                                                                              0
                            No Deposit
## 19
                       0
                            No Deposit
                                          NULL
                                                    110
                                                                              0
## 20
                       0
                                           250
                                                   NULL
                                                                              0
                            No Deposit
## 21
                       0
                            No Deposit
                                           241
                                                   NULL
                                                                              0
## 22
                                           250
                                                   NULL
                                                                              0
                       1
                            No Deposit
## 23
                                           250
                                                   NULL
                                                                              0
                       1
                            No Deposit
## 24
                       1
                                           250
                                                   NULL
                                                                              0
                            No Deposit
## 25
                       0
                                           115
                                                   NULL
                                                                              0
                            No Deposit
## 26
                                             5
                                                   NULL
                                                                              0
                       0
                            No Deposit
## 27
                       0
                                             8
                                                   NULL
                                                                              0
                            No Deposit
                                                   NULL
## 28
                       0
                                           240
                                                                              0
                            No Deposit
                                                                              0
## 29
                       0
                            No Deposit
                                           240
                                                   NULL
## 30
                       0
                                           240
                                                   NULL
                                                                              0
                            No Deposit
## 31
                       2
                            No Deposit
                                          NULL
                                                   NULL
                                                                              0
                                                   NULL
##
  32
                       0
                            No Deposit
                                           241
                                                                              0
## 33
                       0
                                          NULL
                                                   NULL
                                                                              0
                            No Deposit
## 34
                                                   NULL
                                                                              0
                       0
                            No Deposit
                                           175
## 35
                       0
                            No Deposit
                                           241
                                                   NULL
                                                                              0
## 36
                        0
                            No Deposit
                                           241
                                                   NULL
                                                                              0
```

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##	37	0	No	Deposit	240	NULL	(0
##	38	0	No	Deposit	241	NULL	(0
##	39	0	No	Deposit	241	NULL	(0
##	40	0	No	Deposit	250	NULL	(0
##	41	0	No	Deposit	241	NULL	(0
##	42	0	No	Deposit	8	NULL	(0
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##	44	0	No	Deposit	250	NULL	(0
##	45	0	No	Deposit	240	NULL	(0
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##	65	0	No	Deposit	240	NULL	(0
##	66	0	No	Deposit	240	NULL	(0
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##	78	0	No	Deposit	240	NULL	(0
##	79	0	No	Deposit	105	NULL	(0
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##	85	0	No	Deposit	115	NULL	(0
##	86	0	No	Deposit	40	NULL	(0
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##	89	0	No	Deposit	240	NULL	(0
##	90	0	No	Deposit	240	NULL	(0

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##	92	0	No	Deposit	240	NULL	0
##	93	0	No	Deposit	241	NULL	0
##	94	0	No	Deposit	240	NULL	0
##	95	0	No	Deposit	240	NULL	0
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##	112	0	No	Deposit	240	NULL	0
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##	118	0	No	Deposit	40	NULL	0
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##	120	1	No	Deposit	240	NULL	0
##	121	0	No	Deposit	8	NULL	0
##	122	0	No	Deposit	240	NULL	0
##	123	1	No	Deposit	250	NULL	0
##	124	0	No	Deposit	240	NULL	0
##	125	0	No	Deposit	240	NULL	0
##	126	2	No	Deposit	NULL	NULL	0
##	127	0	No	Deposit	240	NULL	0
##	128	0	No	Deposit	240	NULL	0
	129	0	No	Deposit	240	NULL	0
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	131	0	No	Deposit	240	NULL	0
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	133	0	No	Deposit	240	NULL	0
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	135	0	No	Deposit	184	NULL	0
	136	0	No	Deposit	240	NULL	0
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	138	0	No	Deposit	184	NULL	0
##	139	0	No	Deposit	240	NULL	0
	140	0		Deposit	NULL	NULL	0
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##	149	0		Deposit	240	NULL	0
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##	152	0		Deposit	241	NULL	0
##	153	0		Deposit	240	NULL	0
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##	156	0		Deposit	5	NULL	0
##	157	3		Deposit	NULL	NULL	0
##	158	0		Deposit	40	NULL	0
##	159	0		Deposit	40	NULL	0
##	160	0		Deposit	243	NULL	0
##	161	1		Deposit	240	NULL	0
##	162	0		Deposit	240	NULL	0
##	163	0		Deposit	241	NULL	0
##	164	0		Deposit	96	NULL	0
##	165	0		Deposit	250	NULL	0
##	166	1		Deposit	240	NULL	0
##	167	0		Deposit	241	NULL	0
##	168	0		Deposit	240	NULL	0
##	169	0		Deposit	250	NULL	0
##	170	0		Deposit	NULL	NULL	0
##	171	0		Deposit	240	NULL	0
##	172	0		Deposit	240	NULL	0
##	173	0		Deposit	240	NULL	0
##	174	0		Deposit	240	NULL	0
##	175	0		Deposit	175	NULL	0
## ##	176 177	1		Deposit	240	NULL	0
##	178	0		Deposit Deposit	240 250	NULL NULL	0
##	179	0		-	240	NULL	0
##	180	1		Deposit Deposit	240	NULL	0
##	181	0		Deposit	240	NULL	0
	182	0		Deposit	175	NULL	0
	183	0		Deposit	2	NULL	0
	184	0		Deposit	240	NULL	0
	185	0		Deposit	240	NULL	0
	186	0		Deposit	242	NULL	0
	187	1		Deposit	241	NULL	0
##	188	5		Deposit	250	NULL	0
##	189	0		Deposit	156	NULL	0
##	190	1		Deposit	NULL	NULL	0
##	191	0		Deposit	8	NULL	0
##	192	0		Deposit	40	NULL	0
##	193	0		Deposit	127	NULL	0
##	194	0		Deposit	240	NULL	0
##	195	0		Deposit	240	NULL	0
	196	0		Deposit	250	NULL	0
	197	0		Deposit	NULL	NULL	0
	198	0		Deposit	240	NULL	0
			-	1		· -	-

##	199	0	No	Deposit	240	NULL	0
##	200	0	No	Deposit	NULL	NULL	0
##	201	0	No	Deposit	240	NULL	0
##	202	2	No	Deposit	240	NULL	0
##	203	0	No	Deposit	240	NULL	0
##	204	0	No	Deposit	95	NULL	0
##	205	2	No	Deposit	NULL	NULL	0
##	206	0	No	Deposit	134	NULL	0
##	207	0	No	Deposit	240	NULL	0
##	208	0	No	Deposit	8	NULL	0
##	209	0	No	Deposit	2	NULL	0
##	210	0	No	Deposit	156	NULL	0
##	211	0	No	Deposit	240	NULL	0
##	212	0	No	Deposit	240	NULL	0
##	213	0	No	Deposit	240	NULL	0
##	214	0	No	Deposit	240	NULL	0
##	215	0	No	Deposit	240	NULL	0
##	216	0	No	Deposit	105	NULL	0
##	217	0	No	Deposit	240	NULL	0
##	218	0	No	Deposit	146	NULL	0
##	219	0	No	Deposit	NULL	110	0
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##	222	0	No	Deposit	9	NULL	0
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##	231	0	No	Deposit	242	NULL	0
##	232	0	No	Deposit	250	NULL	0
##	233	2	No	Deposit	NULL	NULL	0
##	234	0	No	Deposit	250	NULL	0
##	235	0	No	Deposit	242	NULL	0
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##	245	0		Deposit	143	NULL	0
##	246	0		Deposit	40	NULL	0
##	247	0		Deposit	240	NULL	0
##	248	0		Deposit	240	NULL	0
##	249	0		Deposit	250	NULL	0
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##	251	0		Deposit	240	NULL	0
##	252	0		Deposit	240	NULL	0

```
## 253
                       0
                            No Deposit
                                           240
                                                   NULL
                                                                              0
## 254
                       0
                                           240
                                                  NULL
                                                                              0
                            No Deposit
## 255
                       2
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 256
                                                                              0
                                           240
                                                  NULL
                       1
                            No Deposit
## 257
                       0
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 258
                                           105
                                                  NULL
                                                                              0
                       0
                            No Deposit
## 259
                       0
                                           250
                                                  NULL
                                                                              0
                            No Deposit
                                                  NULL
## 260
                       0
                            No Deposit
                                           240
                                                                              0
## 261
                       0
                            No Deposit
                                          NULL
                                                  NULL
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## 262
                       0
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                            No Deposit
                                          NULL
                                                  NULL
## 263
                       0
                            No Deposit
                                           240
                                                  NULL
                                                                              0
                                                  NULL
## 264
                       0
                                           240
                                                                              0
                            No Deposit
##
  265
                            No Deposit
                                           250
                                                  NULL
                                                                              0
                       1
## 266
                                                  NULL
                                                                              0
                       0
                            No Deposit
                                           240
## 267
                                           240
                                                  NULL
                                                                              0
                       1
                            No Deposit
## 268
                       1
                            No Deposit
                                           250
                                                   NULL
                                                                              0
## 269
                                           240
                                                  NULL
                                                                              0
                            No Deposit
                       1
## 270
                       1
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 271
                                                  NULL
                                                                              0
                       2
                            No Deposit
                                           244
## 272
                       0
                            No Deposit
                                           241
                                                  NULL
                                                                              0
## 273
                       0
                            No Deposit
                                             5
                                                  NULL
                                                                              0
## 274
                       0
                            No Deposit
                                           250
                                                  NULL
                                                                              0
## 275
                       0
                                           240
                                                  NULL
                                                                              0
                            No Deposit
## 276
                       0
                                           240
                                                  NULL
                                                                              0
                            No Deposit
                                                                              0
## 277
                       0
                            No Deposit
                                           241
                                                  NULL
## 278
                       0
                            No Deposit
                                           241
                                                  NULL
                                                                              0
## 279
                       0
                                           241
                                                  NULL
                                                                              0
                            No Deposit
   280
                                                  NULL
                                                                              0
##
                       0
                            No Deposit
                                           241
                                                                              0
## 281
                       0
                                           149
                                                  NULL
                            No Deposit
## 282
                       0
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 283
                       1
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 284
                       0
                            No Deposit
                                           240
                                                  NULL
                                                                              0
  285
                                                                              0
##
                       0
                            No Deposit
                                            15
                                                  NULL
## 286
                       0
                                           240
                                                  NULL
                                                                              0
                            No Deposit
##
   287
                       0
                            No Deposit
                                           250
                                                  NULL
                                                                              0
## 288
                       0
                                           240
                                                  NULL
                                                                              0
                            No Deposit
## 289
                       0
                            No Deposit
                                           241
                                                  NULL
                                                                              0
## 290
                       0
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 291
                       1
                            No Deposit
                                           240
                                                  NULL
                                                                              0
## 292
                       0
                                          NULL
                                                  NULL
                                                                              0
                            No Deposit
## 293
                                                  NULL
                                                                              0
                       1
                            No Deposit
                                           240
## 294
                       0
                            No Deposit
                                          NULL
                                                  NULL
                                                                              0
   295
                                                  NULL
                                                                              0
##
                       0
                            No Deposit
                                           240
##
                       0
                                                                              0
   296
                                          NULL
                                                    113
                            No Deposit
## 297
                       0
                                           175
                                                   NULL
                                                                              0
                            No Deposit
                                           242
                                                  NULL
                                                                              0
## 298
                       0
                            No Deposit
## 299
                       0
                            No Deposit
                                           240
                                                  NULL
##
          customer_type
                             adr required_car_parking_spaces
## 1
              Transient
                            0.00
                                                               0
                            0.00
##
  2
              Transient
                                                               0
## 3
                           75.00
                                                               0
              Transient
                                                               0
## 4
              Transient
                           75.00
## 5
              Transient
                           98.00
                                                               0
## 6
              Transient
                           98.00
                                                               0
```

##	7	Transient	107.0
##	8	Transient	103.0
##	9	Transient	82.0
##	10	Transient	105.5
##	11	Transient	123.0
##	12	Transient	145.0
##	13	Transient	97.0
##	14	Transient	154.7
##	15	Transient	94.7
##	16	Transient	97.0
##	17	Contract	97.5
##	18	Transient	88.2
##	19	Transient	107.4
##	20	Transient	153.0
##	21	Transient	97.2
##	22	Transient	84.6
	23	Transient	
##			84.6
##	24	Transient	99.6
##	25	Contract	94.9
##	26	Transient	63.6
##	27	Contract	79.5
##	28	Transient	107.0
##	29	Transient	94.0
##	30	Transient	87.3
##	31	Transient	62.0
##	32	Transient	63.8
##	33	Transient	108.3
##	34	Transient	65.5
##	35	Transient	108.8
##	36	Transient	108.8
##	37	Transient	98.0
##	38	Transient	108.8
##	39	Transient	108.8
##	40	Transient	137.0
##	41	Transient	117.8
##	42	Contract	79.5
##	43	Transient	123.0
	44	Transient	
	45	Transient	
	46		153.0
	47	Transient	58.9
	48	Transient-Party	
	49	Contract	
	50	Transient	
	51	Transient-Party	
	52	Contract	
	53	Contract	
	54		88.2
	55	Transient	
	56	Transient	
	57	Transient	
	58	Transient	
	59	Transient	
##	60	Transient	98.0

##	61	${\tt Transient}$		0
##	62	Transient	135.00	1
	63	Transient	133.00	0
##	64	Contract	58.95	0
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##	66	Transient	153.00	1
##	67	Transient	110.50	0
	68	Transient	97.00	0
	69	Transient		0
	70	Transient	82.00	0
	71	Transient		0
	72	Transient		0
	73	Transient		0
	74	Transient		0
	75	Transient		0
	76	Transient	90.90	1
	77	Transient		0
	78	Transient		0
	79	Transient		1
	80	Transient	85.86	0
	81	Contract		0
	82	Contract		0
	83	Contract		0
	84	Transient		0
	85	Contract		0
	86	Contract		0
	87	Transient	92.45	0
	88	Transient		0
	89	Transient	73.80	0
	90	Transient	98.00	1
##		Transient		0
	92 93	Transient Transient	94.71	0
	94	Transient		0
	95	Transient		0
##	96	Transient	73.80	0
##	97	Transient		0
	98	Transient		0
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##	100	Transient	90.95	0
##	101	Transient	92.67	0
##	102	Transient	71.55	1
##	103	Transient	96.49	0
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##	105	Transient	96.30	0
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##	107	Transient	172.00	0
##	108	Transient	110.70	0
##	109	Transient	58.95	0
##	110	Transient	73.80	0
##	111	Transient	97.00	0
##	112		139.00	0
##	113	Transient	67.24	0
##	114	Transient		0

	445	.	00.00
	115	Transient	96.30
##	116	Transient	123.00
##	117	Contract	71.55
##	118	Contract	71.55
##	119	Transient	149.00
##	120	Transient	163.00
##	121	Contract	79.50
##	122	Transient	105.00
##	123	Transient	123.00
##	124	Transient	73.80
##	125	Transient	113.00
##	126	Transient	0.00
##	127	Transient	123.00
##	128	${\tt Transient-Party}$	73.80
##	129	Transient	114.50
##	130	Transient-Party	73.80
##		Transient-Party	73.80
##	132	Transient	88.20
##	133	Transient	97.00
##	134	Transient	85.10
##	135	Transient	89.00
##	136	Transient	80.10
##	137	Transient	98.00
##	138		101.00
##	139	Transient	97.00
##	140		167.00
##	141		225.00
##	142	Transient	97.00
##	143	Transient	87.30
##	144	Transient	85.59
##	145	Transient	123.00
##	146	Transient	107.00
##	147	Transient	163.00
##	148	Transient	82.00
##	149	Transient	163.00
##	150	Transient	105.50
##	151	Transient	164.20
	152	Transient	97.29
	153	Transient	
	154	Transient	
	155	Transient	
	156	Transient	
	157	Transient	
	158	Contract	
	159	Contract	
		Contract	
	161	Transient	
	162	Transient	
##	163	Transient	117.81
##	164	Transient	171.32
##	165	Transient	210.00
##	166	Transient	97.00
	167	Transient	
	168	Transient	0.00

	169	Transient	0.00	0
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##	173	Transient	97.00	0
##	174	Transient	167.00	0
##	175	Transient	91.50	0
##	176	Transient	73.80	0
##	177	Transient	123.00	0
##	178	Transient	175.00	1
##	179	Transient	117.80	1
##	180	Transient	117.63	0
##	181	Transient	185.00	0
##	182	Transient	71.00	0
##	183	Contract	47.25	0
##	184	Transient	151.00	0
##	185	Transient	87.30	0
##	186	Transient	120.60	0
##	187	Transient	63.86	0
##	188	Transient	157.10	0
##	189	Contract	91.37	0
##	190	Transient	73.00	0
##	191	Contract	110.70	0
##	192	Contract	93.60	0
##	193	Transient	83.50	0
##	194	Transient	73.80	0
##	195	Transient	82.00	1
##	196	Transient	185.50	0
##	197	Transient	0.00	0
##	198	Transient	0.00	0
##	199	Transient	109.80	0
	200	Transient	195.00	1
	201	Transient	109.80	0
	202	Transient	193.00	0
	203	Transient	97.00	0
##	204	Transient	150.00	0
	205	Transient	98.00	0
	206	Transient	91.50	0
	207	Transient		0
	208	Transient	79.50	0
	209	Contract	47.25	0
	210	Contract		0
	211	Transient		0
	212	Transient		1
	213	Transient		1
	214	Transient		0
	215	Transient		0
	216	Transient		0
	217	Transient	73.80	0
	218	Transient	61.00	0
	219	Transient		0
	220	Transient		0
	221	Transient		1
##	222	Transient	66.42	0

	223	Transient	77.96	1
	224	Contract		0
##	225	Transient		0
##	226	Contract	89.68	0
##	227	Transient		0
##	228		112.00	0
		Transient-Party		0
		Transient-Party		0
	231	Transient		0
##	232	Transient		1
##	233	Transient		1
##	234	Transient	97.00	0
##	235	Transient		0
##	236	Transient		0
##	237	Transient	82.00	0
##	238	Transient		0
	239	Transient	65.42	0
	240	Transient		0
	241	Transient		1
	242	Transient		0
	243	Transient		0
	244	Contract		0
	245	Contract		0
	246	Contract		0
	247	Transient		0
	248	Transient		0
	249	Transient		0
##	250	Transient		0
##	251	Transient		0
##	252	Transient		0
	253	Transient		0
	254	Transient		0
	255	Transient		1
	256	Transient	87.30	0
##	257	Transient	73.80	0
##	258259		120.00	0
	260	Transient Transient	98.00 96.30	0
		Transient-Party		0
		Transient-Party		0
	263	Transient Transient		0
	264	Transient		0
	265	Transient		1
	266	Transient		0
	267	Transient		1
	268	Transient		1
	269	Transient		0
	270	Transient		1
	271	Transient		0
	272	Transient		0
	273	Transient		0
	274	Transient		1
	275	Transient		0
	276	Transient		0

```
## 277
             Transient 110.60
                                                            0
## 278
             Transient 105.90
                                                            0
## 279
             Transient 95.27
                                                            0
## 280
             Transient 108.83
                                                            0
## 281
             Transient 153.96
                                                            0
## 282
             Transient 120.60
                                                            0
## 283
             Transient 90.67
                                                            0
## 284
             Transient 126.67
                                                            0
## 285
             Transient 144.40
                                                            0
## 286
             Transient 99.50
                                                            1
## 287
             Transient 139.40
                                                            0
## 288
             Transient 73.80
                                                            0
## 289
             Transient 89.97
                                                            0
## 290
                                                            0
             Transient 123.00
## 291
             Transient 123.00
                                                            0
## 292
             Transient 123.00
                                                            0
## 293
             Transient 144.90
                                                            0
## 294
             Transient 153.00
                                                            0
             Transient 131.00
## 295
                                                            0
## 296
             Transient 100.00
                                                            1
## 297
             Transient 65.50
                                                            0
## 298
             Transient 123.00
## 299
             Transient 123.00
                                                            0
##
       total_of_special_requests reservation_status reservation_status_date
## 1
                                             Check-Out
                                 0
                                                                     01-07-2015
## 2
                                 0
                                             Check-Out
                                                                      01-07-2015
## 3
                                 0
                                             Check-Out
                                                                      02-07-2015
## 4
                                 0
                                             Check-Out
                                                                      02-07-2015
## 5
                                 1
                                             Check-Out
                                                                      03-07-2015
## 6
                                 1
                                             Check-Out
                                                                      03-07-2015
## 7
                                 0
                                             Check-Out
                                                                      03-07-2015
## 8
                                 1
                                             Check-Out
                                                                      03-07-2015
## 9
                                 1
                                              Canceled
                                                                      06-05-2015
## 10
                                 0
                                              Canceled
                                                                      22-04-2015
## 11
                                 0
                                              Canceled
                                                                      23-06-2015
## 12
                                 0
                                             Check-Out
                                                                      05-07-2015
## 13
                                 3
                                             Check-Out
                                                                      05-07-2015
## 14
                                 1
                                             Check-Out
                                                                      05-07-2015
## 15
                                 0
                                             Check-Out
                                                                      05-07-2015
## 16
                                 3
                                             Check-Out
                                                                      05-07-2015
## 17
                                 0
                                             Check-Out
                                                                      05-07-2015
## 18
                                 0
                                             Check-Out
                                                                      02-07-2015
## 19
                                 0
                                             Check-Out
                                                                      02-07-2015
## 20
                                 1
                                             Check-Out
                                                                      05-07-2015
## 21
                                 1
                                             Check-Out
                                                                      06-07-2015
## 22
                                 1
                                             Check-Out
                                                                      07-07-2015
## 23
                                 1
                                             Check-Out
                                                                      07-07-2015
## 24
                                 1
                                             Check-Out
                                                                      07-07-2015
## 25
                                 1
                                             Check-Out
                                                                      01-07-2015
## 26
                                 0
                                             Check-Out
                                                                      08-07-2015
## 27
                                 0
                                             Check-Out
                                                                      08-07-2015
## 28
                                 2
                                              Canceled
                                                                      11-05-2015
## 29
                                 0
                                             Check-Out
                                                                      08-07-2015
## 30
                                             Check-Out
                                                                     08-07-2015
```

##	31	2	Check-Out	15-07-2015
##	32	0	Check-Out	16-07-2015
##		2	Canceled	29-05-2015
##	34	0	Check-Out	08-07-2015
##		1	Canceled	19-05-2015
##	36	1	Canceled	19-06-2015
##	37	0	Check-Out	06-07-2015
##	38	1	Check-Out	06-07-2015
##	39	0	Canceled	23-05-2015
##		1	Check-Out	07-07-2015
##	41	0	Canceled	18-05-2015
##	42	0	Check-Out	07-07-2015
	43	0	Check-Out	07-07-2015
##		1	Check-Out	07-07-2015
##		2	Check-Out	09-07-2015
##	46	0	Canceled	02-06-2015
##		1	Check-Out	09-07-2015
	48	2	Check-Out	09-07-2015
	49	0	Check-Out	09-07-2015
##		1	Check-Out	09-07-2015
##	51	2	Check-Out	09-07-2015
##	52	0	Check-Out	13-07-2015
	53	0	Check-Out	16-07-2015
##		0	Check-Out	03-07-2015
##		0	Check-Out	03-07-2015
##	56	2	Check-Out	03-07-2015
##	57	0	Check-Out	03-07-2015
##	58	2	Check-Out	03-07-2015
##	59	0	Check-Out	03-07-2015
##	60	1	Check-Out	04-07-2015
##	61	0	Check-Out	04-07-2015
##	62	2	Check-Out	04-07-2015
##	63	1	Check-Out	05-07-2015
##	64	0	Check-Out	05-07-2015
## ##	65 66	2	Canceled Check-Out	29-06-2015 05-07-2015
	67	0	Check-Out	05-07-2015
	68 69	0 2	Check-Out Canceled	05-07-2015 16-06-2015
	70	2	Canceled	18-06-2015
	71	1	Canceled	03-07-2015
	72	1	Canceled	12-06-2015
	73	0	Check-Out	05-07-2015
	74	0	Check-Out	05-07-2015
	75	0	Canceled	09-06-2015
	76	0	Check-Out	06-07-2015
	77	0	Canceled	26-05-2015
	78	0	Check-Out	07-07-2015
	79	0	Check-Out	07-07-2015
	80	0	Check-Out	11-07-2015
	81	0	Check-Out	12-07-2015
	82	0	Canceled	19-05-2015
π#		0	Check-Out	13-03-2015
##		.,	CHUCK UHL	
## ##	84	1	Canceled	09-06-2015

##		0	Check-Out	13-07-2015
##		0	Check-Out	17-07-2015
##		1	Check-Out	17-07-2015
##		2	Canceled	15-04-2015
##		0	Check-Out	04-07-2015
	90	2	Check-Out	04-07-2015
	91	1	Check-Out	04-07-2015
	92	0	Check-Out	04-07-2015
##		0	Check-Out	04-07-2015
##	94	2	Check-Out	04-07-2015
	95	1	Canceled	26-05-2015
##	96	1	Canceled	29-06-2015
	97	1	Canceled	13-05-2015
	98	1	Check-Out	10-07-2015
	99	2	Check-Out	10-07-2015
##	100	0	Check-Out	10-07-2015
##	101	1	Check-Out	07-07-2015
	102	0	Check-Out	07-07-2015
	103	2	Check-Out	10-07-2015
	104	2	Check-Out	10-07-2015
	105	1	Check-Out	11-07-2015
	106	0	Canceled	09-06-2015
	107	1	Canceled	20-05-2015
	108	1	Canceled	22-04-2015
	109	1	Check-Out	11-07-2015
	110	2	Check-Out	11-07-2015
	111	2	Check-Out	11-07-2015
	112	2	Check-Out	11-07-2015
	113	0	Check-Out	11-07-2015
	114	1	Check-Out	12-07-2015
	115	1	Canceled	12-05-2015
	116	1	Check-Out	12-07-2015
	117	1	Check-Out	14-07-2015
	118	1	Check-Out	14-07-2015
	119	1	Check-Out	14-07-2015
	120	0 0	Check-Out	05-07-2015 05-07-2015
	121		Check-Out Canceled	
	122	0 0	No-Show	29-05-2015
	123 124	2	Canceled	04-07-2015 13-05-2015
	125	0	Canceled	16-06-2015
	126	1	Canceled Check-Out	05-07-2015
	127	0	Check-Out	05-07-2015
	128	1	Check-Out	06-07-2015
	129	0	Check-Out	06-07-2015
	130	2	Check-Out	06-07-2015
		1	Check-Out	06-07-2015
	131 132	1	Check-Out	06-07-2015
	133	0	Canceled	01-07-2015
	134	0	Check-Out	06-07-2015
	135	0	Check-Out	06-07-2015
	136	0	Check-Out	06-07-2015
	137	0	Check-Out	06-07-2015
	138	0	Check-Out	06-07-2015
##	100	U	OHECY_OH!	00-07-2015

	139	0	Canceled	01-07-2015
	140	1	Check-Out	06-07-2015
	141	0	Check-Out	07-07-2015
	142	0	Check-Out	07-07-2015
	143	2	Check-Out	09-07-2015
	144	2	Check-Out	10-07-2015
	145	0	Check-Out	10-07-2015
	146	0	Check-Out	10-07-2015
	147	0	Check-Out	11-07-2015
	148	0	Check-Out	11-07-2015
	149	0	Canceled	17-06-2015
	150	0	Canceled	01-05-2015
##	151	1	Check-Out	12-07-2015
##	152	1	Check-Out	12-07-2015
	153	1	Canceled	30-03-2015
	154	0	Check-Out	12-07-2015
	155	1	Check-Out	14-07-2015
	156	2	Check-Out	15-07-2015
	157	1	Check-Out	15-07-2015
	158	0	Check-Out	16-07-2015
	159	0	Check-Out	19-07-2015
	160	0	Check-Out	19-07-2015
##	161	0	Check-Out	11-07-2015
##	162	2	Check-Out	10-07-2015
	163	2	Check-Out	10-07-2015
##	164	1	Check-Out	10-07-2015
##	165	0	Check-Out	10-07-2015
##	166	2	Check-Out	10-07-2015
##	167	2	Check-Out	10-07-2015
##	168	2	Check-Out	06-07-2015
##	169	0	Check-Out	06-07-2015
	170 171	0 2	Check-Out Check-Out	07-07-2015
	172	1	Check-Out	08-07-2015
	173	1	Check-Out	08-07-2015 09-07-2015
	174	0	Canceled	03-06-2015
	175	0	Check-Out	10-07-2015
	176	1	Check-Out	10-07-2015
	177	0	Check-Out	11-07-2015
	178	0	Check-Out	11-07-2015
	179	1	Check-Out	12-07-2015
	180	0	Check-Out	12-07-2015
	181	0	Check-Out	13-07-2015
	182	1	Canceled	26-06-2015
	183	0	Check-Out	13-07-2015
	184	1	Check-Out	14-07-2015
	185	0	Canceled	14-05-2015
	186	1	Check-Out	16-07-2015
	187	1	Check-Out	16-07-2015
	188	1	Check-Out	16-07-2015
	189	2	Check-Out	16-07-2015
	190	0	Check-Out	17-07-2015
	191	0	Check-Out	20-07-2015
	192	0	Check-Out	20-07-2015
		-		_5 5. 2010

	193	0	Check-Out	13-07-2015
	194	1	Canceled	07-05-2015
##	195	2	Check-Out	10-07-2015
##	196	1	Check-Out	10-07-2015
##	197	1	Check-Out	07-07-2015
##	198	1	Check-Out	07-07-2015
##	199	3	Check-Out	08-07-2015
##	200	0	Check-Out	08-07-2015
##	201	3	Check-Out	08-07-2015
##	202	1	Check-Out	11-07-2015
	203	2	Check-Out	11-07-2015
	204	1	Check-Out	11-07-2015
	205	0	Check-Out	11-07-2015
##	206	0	Canceled	28-05-2015
##	207	2	Canceled	13-04-2015
##	208	0	Check-Out	14-07-2015
	209	0	Canceled	25-03-2015
	210	1	Check-Out	21-07-2015
##	211	1	Check-Out	11-07-2015
##	212	2	Check-Out	12-07-2015
	213	1	Check-Out	12-07-2015
	214	1	Canceled	28-05-2015
##	215	1	Check-Out	12-07-2015
##	216	1	Check-Out	12-07-2015
##	217	1	Canceled	29-06-2015
##	218	0	Check-Out	09-07-2015
##	219	1	Canceled	08-07-2015
##	220	1	Canceled	08-07-2015
##	221	1	Check-Out	10-07-2015
##	222	1	Canceled	28-05-2015
##	223	1	Check-Out	14-07-2015
##	224	1	Canceled	15-04-2015
##	225	1	Check-Out	15-07-2015
##	226	0	Check-Out	15-07-2015
##	227	0	Check-Out	15-07-2015
##	228	1	Check-Out	16-07-2015
	229	3	Check-Out	17-07-2015
	230	2	Check-Out	17-07-2015
	231	3	Check-Out	10-07-2015
	232	1	Check-Out	11-07-2015
	233	0	Check-Out	11-07-2015
	234	0	Canceled	02-06-2015
	235	1	Canceled	16-06-2015
	236	0	Canceled Check-Out	16-06-2015
	237	2		12-07-2015 23-06-2015
	238	0	Canceled	
	239 240	0	Canceled Check-Out	27-06-2015
	241	1	Check-Out	13-07-2015
				14-07-2015
	242	0	Check-Out	14-07-2015 16-07-2015
	243244	0	Check-Out Check-Out	
	245		Check-Out	16-07-2015
	246	0		16-07-2015
##	240	U	Check-Out	16-07-2015

##	247	1	Check-Out	16-07-2015
##	248	2	Canceled	13-05-2015
##	249	0	Check-Out	11-07-2015
##	250	0	Check-Out	12-07-2015
##	251	1	Check-Out	12-07-2015
##	252	0	Check-Out	12-07-2015
##	253	1	Check-Out	12-07-2015
##	254	1	Check-Out	12-07-2015
##	255	1	Check-Out	12-07-2015
##	256	2	Check-Out	12-07-2015
##	257	1	Check-Out	12-07-2015
##	258	1	Check-Out	13-07-2015
##	259	1	Check-Out	13-07-2015
##	260	2	Check-Out	13-07-2015
##	261	1	Check-Out	14-07-2015
##	262	1	Check-Out	14-07-2015
##	263	0	Canceled	29-06-2015
##	264	2	Check-Out	15-07-2015
	265	3	Check-Out	15-07-2015
##	266	0	Check-Out	15-07-2015
##	267	2	Check-Out	17-07-2015
##	268	1	Check-Out	17-07-2015
##	269	2	Check-Out	17-07-2015
##	270	2	Check-Out	17-07-2015
##	271	0	Check-Out	17-07-2015
##	272	3	Check-Out	17-07-2015
##	273	2	Check-Out	17-07-2015
##	274	0	Check-Out	18-07-2015
##	275	2	Check-Out	19-07-2015
##	276	0	Check-Out	20-07-2015
##	277	0	Check-Out	21-07-2015
##	278	0	Check-Out	23-07-2015
##	279	3	Check-Out	17-07-2015
##	280	1	Check-Out	17-07-2015
##	281	0	Canceled	29-05-2015
##	282	0	Check-Out	16-07-2015
##	283	1	Check-Out	17-07-2015
	284	0	Canceled	08-06-2015
	285	1	Check-Out	17-07-2015
	286	2	Check-Out	17-07-2015
	287	1	Check-Out	18-07-2015
	288	1	Canceled	22-04-2015
	289	1	Check-Out	15-07-2015
	290	0	Check-Out	15-07-2015
	291	0	Check-Out	15-07-2015
	292	0	Check-Out	12-07-2015
	293	1	Check-Out	12-07-2015
	294	0	Check-Out	12-07-2015
	295	1	Check-Out	12-07-2015
	296	0	Check-Out	13-07-2015
	297	0	Check-Out	13-07-2015
	298	1	Check-Out	13-07-2015
	299	0	Check-Out	14-07-2015
		-		

##		hotel	is cance	eled lea	ad time	arrival	date	year arri	ival dat	e month	
	1	Resort Hotel	ID_cance	0	342	arrivar		2015	rvar_aao	July	
		Resort Hotel		0	737			2015		July	
	_	Resort Hotel		0	7			2015		July	
		Resort Hotel		0	13			2015		July	
		Resort Hotel		0	14			2015		July	
		Resort Hotel		0	14			2015		July	
##	O		trools nur			+0 dorr			in most	•	+ a
##	1	arrival_date_	_week_nu	27	.ivai_u	ice_day_	01 _111011	un stays <u>.</u> 1	_in_week	ena_nign	
											0
##				27 27				1			0
##								1			0
##				27				1			0
##				27				1			0
##	О			27	-1-27 3	11		1	1 4-		0
##		stays_in_week	_		cnilare			-	market_		
##			0	2			O BB	PRT		Direct	
##			0	2			0 BB	PRT		Direct	
##			1	1			0 BB	GBR	~	Direct	
##			1	1			0 BB	GBR		rporate	
##			2	2			0 BB	GBR	_	line TA	
##	6		2	. 2		-	0 BB	GBR		line TA	
##		distribution_		is_repe	eated_gu		vious_	cancellat			
##			Direct			0			0		
##	_		Direct			0			0		
##			Direct			0			0		
##		Co	orporate			0			0		
##	_		TA/TO			0			0		
##	6		TA/TO	_		0			0		
##		previous_book	kings_not	t_cancel		erved_ro		_	ed_room_		
##					0			C		C	
##	_				0			C		C	
##					0			Α		C	
##					0			Α		A	
##					0			Α .		A	
##	6		,		0			A 	.	Α .	
##		booking_chang	-		•		• –	ın_waıtır	•		
##				Deposit		NULL			0		sient
##				Deposit		NULL			0		sient
##				Deposit		NULL			0		sient
##				Deposit		NULL			0		sient
##				Deposit		NULL			0		sient
##	6			Deposit		NULL			0		sient
##	,	adr required_	_car_parl	king_spa		cal_of_s	pecial	=			
##		0			0)	Check	
##		0			0			(Check	
##		75 75			0)	Check	
##	4	75			0)	Check	
	_							-	L	('hoolz	-1111+
##		98			0					Check	
		98 98 reservation_s			0				L L	Check	

```
## 1 01-07-2015
## 2 01-07-2015
## 3 02-07-2015
## 4 02-07-2015
## 5 03-07-2015
## 6 03-07-2015
```

#shows the last 6 rows tail(mydata)

```
##
               hotel is_canceled lead_time arrival_date_year arrival_date_month
## 294 Resort Hotel
                                0
                                          0
                                                           2015
                                                                                July
## 295 Resort Hotel
                                0
                                          0
                                                           2015
                                                                                July
## 296 Resort Hotel
                                0
                                         84
                                                           2015
                                                                                July
## 297 Resort Hotel
                                0
                                          71
                                                           2015
                                                                                July
## 298 Resort Hotel
                                0
                                          16
                                                           2015
                                                                                July
## 299 Resort Hotel
                                0
                                         54
                                                           2015
                                                                                July
##
       arrival_date_week_number arrival_date_day_of_month stays_in_weekend_nights
## 294
## 295
                               28
                                                           11
                                                                                      0
## 296
                               28
                                                           11
                                                                                      1
## 297
                               28
                                                           11
                                                                                      1
## 298
                               28
                                                           11
                                                                                      1
                               28
## 299
                                                           11
       stays_in_week_nights adults children babies meal country market_segment
## 294
                                   2
                                             0
                            1
                                                    0
                                                         BB
                                                                ESP
                                                                             Direct
                                   2
## 295
                            1
                                             0
                                                    0
                                                         BB
                                                                ESP
                                                                          Online TA
## 296
                                   2
                                                         HB
                                             0
                                                    0
                                                                PRT
                                                                          Corporate
                                   2
## 297
                                             0
                                                    0
                                                         BB
                                                                ESP
                                                                      Offline TA/TO
                            1
                                   2
## 298
                            1
                                             0
                                                         BB
                                                                ROU
                                                                          Online TA
                                                                          Online TA
## 299
                                   2
                                             0
                                                    0
                                                         BB
                                                                PRT
                            1
       distribution_channel is_repeated_guest previous_cancellations
## 294
                      Direct
                                               0
## 295
                       TA/TO
                                                                        0
                                                                        0
## 296
                   Corporate
                                               0
## 297
                       TA/TO
                                               0
                                                                        0
## 298
                       TA/TO
                                               0
                       TA/TO
                                               0
       previous_bookings_not_canceled reserved_room_type assigned_room_type
## 294
                                      0
                                                           G
## 295
                                      0
                                                                               Α
## 296
                                      0
                                                           Α
                                                                               Α
## 297
                                      0
                                                           Α
                                                                               Α
## 298
                                      0
                                                           C
                                                                               C
                                      0
## 299
                                                           Ε
##
       booking_changes deposit_type agent company days_in_waiting_list
## 294
                          No Deposit
                                       NULL
                                                NULL
## 295
                          No Deposit
                                                NULL
                                                                          0
                      0
                                         240
## 296
                      0
                          No Deposit
                                       NULL
                                                 113
                                                                          0
## 297
                          No Deposit
                                                NULL
                                                                          0
                      0
                                         175
## 298
                      0
                          No Deposit
                                         242
                                                NULL
                                                NULL
## 299
                      0
                          No Deposit
                                         240
                       adr required_car_parking_spaces total_of_special_requests
       customer_type
## 294
           Transient 153.0
                                                         0
```

```
## 295
         Transient 131.0
                                               0
                                                                      1
## 296
         Transient 100.0
                                                                      0
                                               1
## 297
         Transient 65.5
                                               0
                                                                      0
         Transient 123.0
                                               0
## 298
                                                                      1
## 299
         Transient 123.0
                                                                      0
      reservation status reservation status date
##
       Check-Out
## 294
                                  12-07-2015
             Check-Out
## 295
                                  12-07-2015
## 296
             Check-Out
                                  13-07-2015
## 297
              Check-Out
                                  13-07-2015
## 298
              Check-Out
                                  13-07-2015
## 299
              Check-Out
                                  14-07-2015
#shows the variable names and types
str(mydata)
## 'data.frame':
                 299 obs. of 32 variables:
## $ hotel
                                : chr "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
## $ is_canceled
                                : int 000000011...
## $ lead_time
                                      342 737 7 13 14 14 0 9 85 75 ...
## $ arrival_date_year
                                      : int
                                      "July" "July" "July" "July" ...
## $ arrival date month
                               : chr
## $ arrival_date_week_number
                              : int 27 27 27 27 27 27 27 27 27 27 ...
## $ arrival date day of month
                               : int 1 1 1 1 1 1 1 1 1 1 ...
                                : int 0000000000...
## $ stays_in_weekend_nights
## $ stays_in_week_nights
                                : int
                                      0 0 1 1 2 2 2 2 3 3 ...
## $ adults
                                : int 2 2 1 1 2 2 2 2 2 2 ...
## $ children
                                : int 0000000000...
## $ babies
                                : int
                                      0 0 0 0 0 0 0 0 0 0 ...
## $ meal
                                      "BB" "BB" "BB" "BB" ...
                                : chr
                               : chr "PRT" "PRT" "GBR" "GBR" ...
## $ country
                               : chr "Direct" "Direct" "Corporate" ...
## $ market_segment
                               : chr "Direct" "Direct" "Corporate" ...
## $ distribution_channel
## $ is_repeated_guest
                               : int 0000000000...
## $ previous_cancellations : int 0 0 0 0 0 0 0 0 0 ...
## $ previous_bookings_not_canceled: int 0 0 0 0 0 0 0 0 0 ...
                                      "C" "C" "A" "A" ...
## $ reserved_room_type : chr
                               : chr
                                      "C" "C" "C" "A" ...
## $ assigned_room_type
## $ booking changes
                               : int 3400000000...
                               : chr "No Deposit" "No Deposit" "No Deposit" "No Deposit" ...
## $ deposit_type
## $ agent
                               : chr
                                      "NULL" "NULL" "NULL" "304" ...
                                : chr "NULL" "NULL" "NULL" "NULL" ...
## $ company
## $ days_in_waiting_list
                               : int 0000000000...
                                      "Transient" "Transient" "Transient" "Transient" ...
## $ customer_type
                                : chr
## $ adr
                                      0 0 75 75 98 ...
                                : num
                               : int 0000000000...
## $ required_car_parking_spaces
## $ total_of_special_requests
                                : int 0000110110...
                                      "Check-Out" "Check-Out" "Check-Out" ...
##
   $ reservation_status
                                : chr
                               : chr
                                     "01-07-2015" "01-07-2015" "02-07-2015" "02-07-2015" ...
   $ reservation_status_date
#shows the variable names
names (mydata)
```

[1] "hotel"

"is_canceled"

```
[3] "lead time"
                                          "arrival_date_year"
##
   [5] "arrival_date_month"
                                          "arrival_date_week_number"
  [7] "arrival date day of month"
                                          "stays in weekend nights"
  [9] "stays_in_week_nights"
                                          "adults"
## [11] "children"
                                          "babies"
## [13] "meal"
                                          "country"
## [15] "market segment"
                                          "distribution channel"
## [17] "is_repeated_guest"
                                          "previous_cancellations"
## [19] "previous_bookings_not_canceled"
                                          "reserved_room_type"
## [21] "assigned_room_type"
                                          "booking_changes"
## [23] "deposit_type"
                                          "agent"
## [25] "company"
                                          "days_in_waiting_list"
## [27] "customer_type"
                                          "adr"
## [29] "required_car_parking_spaces"
                                          "total_of_special_requests"
## [31] "reservation_status"
                                          "reservation_status_date"
 #shows a list of objects that are available
ls()
```

[1] "mydata"

hotel

##

```
#attaches the dataframe to the R search path, which makes it easy to access variable names
View(mydata)
#Gives summary of dataset
summary(mydata)
```

lead_time

arrival_date_year

```
##
                              :0.0000
   Length:299
                       Min.
                                         Min. : 0.00
                                                          Min.
                                                                 :2015
   Class : character
                       1st Qu.:0.0000
                                         1st Qu.: 16.50
                                                          1st Qu.:2015
##
   Mode :character
                       Median :0.0000
                                         Median : 63.00
                                                          Median:2015
                                                                 :2015
##
                              :0.1973
                                         Mean
                                               : 66.78
                       Mean
                                                          Mean
##
                       3rd Qu.:0.0000
                                         3rd Qu.: 94.00
                                                          3rd Qu.:2015
##
                              :1.0000
                                         Max.
                                                :737.00
                                                          Max.
                       Max.
##
   arrival_date_month arrival_date_week_number arrival_date_day_of_month
   Length:299
##
                       Min.
                              :27.00
                                                 Min.
                                                        : 1.000
                                                 1st Qu.: 3.000
##
   Class : character
                       1st Qu.:27.00
                                                 Median : 5.000
   Mode :character
                       Median :28.00
##
                              :27.56
                                                        : 5.482
                       Mean
                                                 Mean
                                                 3rd Qu.: 8.000
##
                       3rd Qu.:28.00
##
                       Max.
                              :28.00
                                                 Max.
                                                        :11.000
   stays_in_weekend_nights stays_in_week_nights
                                                      adults
                                                                     children
##
   Min.
          :0.000
                            Min. : 0.000
                                                  Min.
                                                         :1.00
                                                                 Min.
                                                                         :0.0000
##
   1st Qu.:0.000
                            1st Qu.: 2.000
                                                  1st Qu.:2.00
                                                                 1st Qu.:0.0000
##
   Median :1.000
                            Median : 3.000
                                                  Median :2.00
                                                                 Median : 0.0000
                                                        :2.01
##
  Mean
          :1.324
                            Mean
                                  : 3.575
                                                  Mean
                                                                 Mean
                                                                        :0.1672
##
   3rd Qu.:2.000
                            3rd Qu.: 5.000
                                                  3rd Qu.:2.00
                                                                 3rd Qu.:0.0000
##
   Max.
           :6.000
                            Max.
                                    :15.000
                                                         :4.00
                                                                 Max.
                                                                         :2.0000
                                                  Max.
##
        babies
                         meal
                                           country
                                                            market_segment
##
  Min.
           :0.0000
                     Length: 299
                                        Length: 299
                                                            Length: 299
##
   1st Qu.:0.0000
                     Class : character
                                                            Class : character
                                        Class : character
                                                            Mode :character
## Median :0.0000
                     Mode :character
                                        Mode :character
## Mean :0.0301
## 3rd Qu.:0.0000
```

is_canceled

```
:2.0000
## Max.
## distribution_channel is_repeated_guest previous_cancellations
## Length:299
                       Min. :0
                                        Min. :0
## Class :character
                       1st Qu.:0
                                        1st Qu.:0
   Mode :character
##
                       Median :0
                                        Median :0
                       Mean :0
##
                                        Mean :0
##
                       3rd Qu.:0
                                        3rd Qu.:0
                       Max. :0
##
                                        Max. :0
   previous_bookings_not_canceled reserved_room_type assigned_room_type
## Min. :0
                                 Length:299
                                                   Length: 299
## 1st Qu.:0
                                 Class :character
                                                   Class :character
## Median :0
                                 Mode :character
                                                   Mode :character
## Mean :0
## 3rd Qu.:0
## Max.
         :0
## booking_changes deposit_type
                                        agent
                                                         company
## Min. :0.000
                  Length:299
                                     Length:299
                                                       Length: 299
## 1st Qu.:0.000
                  Class :character
                                                       Class : character
                                     Class :character
                                                       Mode :character
                 Mode :character
                                     Mode : character
## Median :0.000
## Mean :0.214
## 3rd Qu.:0.000
## Max. :5.000
## days_in_waiting_list customer_type
                                              adr
## Min. :0
                       Length:299
                                         Min. : 0.0
## 1st Qu.:0
                       Class :character
                                         1st Qu.: 87.3
## Median :0
                       Mode :character
                                         Median :107.0
## Mean :0
                                         Mean :107.7
## 3rd Qu.:0
                                          3rd Qu.:123.0
## Max.
         :0
                                                :225.0
                                         Max.
## required_car_parking_spaces total_of_special_requests reservation_status
## Min. :0.0000
                              Min.
                                   :0.0000
                                                       Length: 299
## 1st Qu.:0.0000
                              1st Qu.:0.0000
                                                       Class : character
## Median :0.0000
                              Median :1.0000
                                                       Mode :character
## Mean :0.1538
                              Mean :0.7726
## 3rd Qu.:0.0000
                              3rd Qu.:1.0000
## Max.
         :2.0000
                              Max. :3.0000
## reservation status date
## Length:299
## Class :character
## Mode :character
##
##
##
```

#identifies center of distribution mean(mydata\$adr)

[1] 107.661

#List all values of a variable with frequencies table(mydata\$adr)

##											
##	0	47.25	55.68	56.01	58.95	61	62	63.6	63.86	65.42	65.5
##	7	2	2	1	4	1	1	2	2	1	3
##	66.42	67.24	67.58	71	71.55	73	73.8	74.07	75	75.46	77.96
##	1	1	1	1	3	1	14	1	2	1	1
##	79.5	80.1	82	82.35	82.88	83.5	84.67	85.1	85.59	85.8	85.86
##	4	1	6	1	1	1	2	1	1	1	1
##	87.3	88.2	89	89.68	89.97	90.67	90.9	90.95	91.37	91.5	92.45
##	5	4	1	1	1	1	1	2	1	3	1
##										97.29	
##										2	
##	98	98.4	99.3	99.5	99.67	100	100.1	101	103	104.72	105
##	11	1	1	1	1	1	1	1	1	3	1
##	105.08	105.5	105.9	106.84	107	107.42	108.3	108.73	108.8	108.83	109.8
##	1	2	1	1	6	1	1	1	4	1	2
##				110.7				113		114.5	
##	2	2	1	7	1	3	1	1	1	2	1
										120.6	
##	1	1	1	4	1	1	1	1	1	3	1
##										133.83	
										1	
##										144.9	
##	_	2								1	
##	146	147								154.77	
##		2								1	
##				163						175	
##	1	1	1	4	1	1	3	1	1	2	2
##				196.54							
##	1	1	1	1	2	1	1				

#Gives subset of data subset(mydata)

##			hotel	is_canceled	lead_time	arrival_date_year	arrival_date_month
##	1	Resort	Hotel	0	342	2015	July
##	2	Resort	Hotel	0	737	2015	July
##	3	Resort	Hotel	0	7	2015	July
##	4	Resort	Hotel	0	13	2015	July
##	5	Resort	Hotel	0	14	2015	July
##	6	Resort	Hotel	0	14	2015	July
##	7	Resort	Hotel	0	0	2015	July
##	8	Resort	Hotel	0	9	2015	July
##	9	Resort	Hotel	1	85	2015	July
##	10	Resort	Hotel	1	75	2015	July
##	11	Resort	Hotel	1	23	2015	July
##	12	Resort	${\tt Hotel}$	0	35	2015	July
##	13	Resort	Hotel	0	68	2015	July
##	14	Resort	Hotel	0	18	2015	July
##	15	Resort	${\tt Hotel}$	0	37	2015	July
##	16	Resort	Hotel	0	68	2015	July

##	17	${\tt Resort}$	Hotel	0	37	2015	July
##	18	Resort		0	12	2015	July
##	19	Resort		0	0	2015	July
##	20	Resort		0	7	2015	July
##	21	Resort	Hotel	0	37	2015	July
##	22	${\tt Resort}$	Hotel	0	72	2015	July
##	23	${\tt Resort}$	Hotel	0	72	2015	July
##	24	${\tt Resort}$	Hotel	0	72	2015	July
##	25	${\tt Resort}$		0	127	2015	July
##	26	Resort	Hotel	0	78	2015	July
##	27	Resort	Hotel	0	48	2015	July
##	28	Resort	Hotel	1	60	2015	July
##	29	Resort	Hotel	0	77	2015	July
##	30	${\tt Resort}$	Hotel	0	99	2015	July
##	31	${\tt Resort}$	Hotel	0	118	2015	July
##	32	${\tt Resort}$	Hotel	0	95	2015	July
##	33	${\tt Resort}$	Hotel	1	96	2015	July
##	34	${\tt Resort}$		0	69	2015	July
##	35	${\tt Resort}$	Hotel	1	45	2015	July
##	36	${\tt Resort}$	Hotel	1	40	2015	July
##	37	${\tt Resort}$	Hotel	0	15	2015	July
##	38	${\tt Resort}$	Hotel	0	36	2015	July
##	39	${\tt Resort}$	Hotel	1	43	2015	July
##	40	${\tt Resort}$	Hotel	0	70	2015	July
##	41	${\tt Resort}$	Hotel	1	45	2015	July
##	42	${\tt Resort}$	Hotel	0	45	2015	July
##	43	${\tt Resort}$	Hotel	0	16	2015	July
##	44	${\tt Resort}$	Hotel	0	70	2015	July
##	45	${\tt Resort}$	Hotel	0	107	2015	July
##	46	${\tt Resort}$	Hotel	1	47	2015	July
##	47	${\tt Resort}$	Hotel	0	96	2015	July
##	48	Resort	Hotel	0	113	2015	July
##	49	${\tt Resort}$	Hotel	0	90	2015	July
##	50	${\tt Resort}$	Hotel	0	50	2015	July
##	51	${\tt Resort}$		0	113	2015	July
##	52	Resort	Hotel	0	93	2015	July
##	53	Resort	Hotel	0	76	2015	July
##		Resort		0	3	2015	July
##		Resort	Hotel	0	1	2015	July
	56	Resort		0	1	2015	July
	57	Resort		0	0	2015	July
	58	Resort	Hotel	0	0	2015	July
##		Resort	Hotel	0	0	2015	July
##		Resort		0	14	2015	July
##		Resort		0	10	2015	July
##		Resort		0	5	2015	July
##		Resort		0	17	2015	July
##		Resort		0	93	2015	July
##		Resort		1	3	2015	July
##		Resort		0	10	2015	July
##		Resort		0	3	2015	July
##		Resort		0	51	2015	July
##		Resort		1	71	2015	July
##	70	Resort	Hotel	1	63	2015	July

##	71	${\tt Resort}$	Hotel	1	62	2015	July
##	72	${\tt Resort}$	Hotel	1	101	2015	July
##	73	${\tt Resort}$	Hotel	0	2	2015	July
##	74	${\tt Resort}$	Hotel	0	15	2015	July
##	75	${\tt Resort}$	Hotel	1	51	2015	July
##	76	${\tt Resort}$	Hotel	0	3	2015	July
##	77	${\tt Resort}$	Hotel	1	48	2015	July
##	78	${\tt Resort}$	Hotel	0	2	2015	July
##	79	${\tt Resort}$	Hotel	0	72	2015	July
##	80	${\tt Resort}$	Hotel	0	81	2015	July
##	81	${\tt Resort}$	Hotel	0	99	2015	July
##	82	${\tt Resort}$	Hotel	1	368	2015	July
##	83	${\tt Resort}$	Hotel	0	364	2015	July
##	84	${\tt Resort}$	Hotel	1	81	2015	July
##	85	Resort	Hotel	0	99	2015	July
##	86	Resort	Hotel	0	324	2015	July
##	87	Resort	Hotel	0	69	2015	July
##	88	Resort	Hotel	1	79	2015	July
##	89	Resort	Hotel	0	12	2015	July
##	90	Resort	Hotel	0	9	2015	July
##	91	Resort	Hotel	0	1	2015	July
##	92	Resort	Hotel	0	21	2015	July
##	93	Resort	Hotel	0	9	2015	July
##	94	Resort	Hotel	0	109	2015	July
##	95	Resort	Hotel	1	109	2015	July
##	96	Resort	Hotel	1	72	2015	July
##	97	Resort	Hotel	1	63	2015	July
##	98	Resort	Hotel	0	63	2015	July
##	99	Resort	Hotel	0	101	2015	July
##	100	Resort	Hotel	0	102	2015	July
##	101	Resort	Hotel	0	4	2015	July
##	102	Resort	Hotel	0	98	2015	July
##	103	Resort	Hotel	0	92	2015	July
##	104	Resort	Hotel	0	95	2015	July
##	105	Resort	Hotel	0	102	2015	July
##	106	Resort	Hotel	1	26	2015	July
##	107	Resort	Hotel	1	73	2015	July
##	108	Resort	Hotel	1	102	2015	July
##	109	Resort	Hotel	0	115	2015	July
##	110	Resort	Hotel	0	102	2015	July
##	111	Resort	Hotel	0	86	2015	July
##	112	Resort	Hotel	0	78	2015	July
##	113	Resort	Hotel	0	52	2015	July
##	114	Resort	Hotel	0	29	2015	July
##	115	Resort	Hotel	1	101	2015	July
##	116	Resort	Hotel	0	109	2015	July
##	117	Resort	Hotel	0	92	2015	July
##	118	Resort	Hotel	0	92	2015	July
##	119	Resort	Hotel	0	79	2015	July
##	120	Resort	Hotel	0	2	2015	July
##	121	Resort	Hotel	0	30	2015	July
##	122	Resort	Hotel	1	51	2015	July
##	123	Resort	Hotel	1	36	2015	July
##	124	Resort	Hotel	1	73	2015	July
							•

##	125 Resort	Hotel	1	33	2015	July
##	126 Resort	Hotel	0	32	2015	July
##	127 Resort	Hotel	0	8	2015	July
##	128 Resort	Hotel	0	100	2015	July
##	129 Resort	Hotel	0	1	2015	July
##	130 Resort	Hotel	0	100	2015	July
##	131 Resort	Hotel	0	100	2015	July
##	132 Resort	Hotel	0	9	2015	July
##	133 Resort	Hotel	1	5	2015	July
##	134 Resort	Hotel	0	0	2015	July
##	135 Resort	Hotel	0	9	2015	July
##	136 Resort	Hotel	0	2	2015	July
##	137 Resort	Hotel	0	2	2015	July
##	138 Resort	Hotel	0	9	2015	July
##	139 Resort	Hotel	1	5	2015	July
##	140 Resort	Hotel	0	2	2015	July
##	141 Resort	Hotel	0	44	2015	July
##	142 Resort	Hotel	0	80	2015	July
##	143 Resort	Hotel	0	97	2015	July
##	144 Resort	Hotel	0	109	2015	July
##	145 Resort	Hotel	0	30	2015	July
##	146 Resort	Hotel	0	64	2015	July
##	147 Resort	Hotel	0	39	2015	July
##	148 Resort	Hotel	0	90	2015	July
##	149 Resort	Hotel	1	34	2015	July
##	150 Resort	Hotel	1	93	2015	July
##	151 Resort	Hotel	0	97	2015	July
##	152 Resort	Hotel	0	29	2015	July
##	153 Resort	Hotel	1	101	2015	July
##	154 Resort	Hotel	0	27	2015	July
##	155 Resort	Hotel	0	8	2015	July
##	156 Resort	Hotel	0	82	2015	July
##	157 Resort	Hotel	0	94	2015	July
##	158 Resort	Hotel	0	110	2015	July
##	159 Resort	Hotel	0	96	2015	July
##	160 Resort	Hotel	0	79	2015	July
##	161 Resort	Hotel	0	115	2015	July
##	162 Resort	Hotel	0	111	2015	July
##	163 Resort	Hotel	0	51	2015	July
##	164 Resort	Hotel	0	94	2015	July
##	165 Resort	Hotel	0	81	2015	July
##	166 Resort	Hotel	0	84	2015	July
##	167 Resort		0	51	2015	July
	168 Resort		0	111	2015	July
##	169 Resort	Hotel	0	0	2015	July
##	170 Resort	Hotel	0	2	2015	July
##	171 Resort		0	7	2015	July
	172 Resort		0	98	2015	July
##	173 Resort	Hotel	0	95	2015	July
##	174 Resort	Hotel	1	48	2015	July
	175 Resort		0	66	2015	July
	176 Resort		0	104	2015	July
##	177 Resort	Hotel	0	28	2015	July
##	178 Resort	Hotel	0	34	2015	July

##	179 Res	sort	Hotel	0	98	2015	July
##	180 Res	sort	Hotel	0	104	2015	July
##	181 Res	sort	Hotel	0	68	2015	July
##	182 Res	sort	Hotel	1	86	2015	July
##	183 Res	sort	Hotel	0	258	2015	July
##	184 Res	sort	Hotel	0	111	2015	July
##	185 Res	sort	Hotel	1	94	2015	July
##	186 Res	sort	Hotel	0	112	2015	July
##	187 Res	sort	Hotel	0	100	2015	July
##	188 Res	sort	Hotel	0	33	2015	July
##	189 Res	sort	Hotel	0	97	2015	July
##	190 Res	sort	Hotel	0	80	2015	July
##	191 Res	sort	Hotel	0	90	2015	July
##	192 Res	sort	Hotel	0	111	2015	July
##	193 Res	sort	Hotel	0	65	2015	July
##	194 Res	sort	Hotel	1	67	2015	July
##	195 Res	sort	Hotel	0	55	2015	July
##	196 Res	sort	Hotel	0	21	2015	July
##	197 Res	sort	Hotel	0	8	2015	July
##	198 Res	sort	Hotel	0	8	2015	July
##	199 Res	sort	Hotel	0	0	2015	July
##	200 Res	sort	Hotel	0	0	2015	July
##	201 Res	sort	Hotel	0	0	2015	July
##	202 Res	sort	Hotel	0	8	2015	July
##	203 Res	sort	Hotel	0	66	2015	July
##	204 Res	sort	Hotel	0	88	2015	July
##	205 Res	sort	Hotel	0	0	2015	July
##	206 Res	sort	Hotel	1	43	2015	July
##	207 Res	sort	Hotel	1	88	2015	July
##	208 Res	sort	Hotel	0	54	2015	July
##	209 Res	sort	Hotel	1	292	2015	July
##	210 Res	sort	Hotel	0	112	2015	July
##	211 Res	sort	Hotel	0	68	2015	July
##	212 Res	sort	Hotel	0	7	2015	July
##	213 Res	sort	Hotel	0	1	2015	July
##	214 Res	sort	Hotel	1	113	2015	July
##	215 Res	sort	Hotel	0	5	2015	July
##	216 Res	sort	Hotel	0	83	2015	July
	217 Res			1	105	2015	July
##	218 Res	sort	Hotel	0	0	2015	July
##	219 Res	sort	Hotel	1	1	2015	July
##	220 Res	sort	Hotel	1	1	2015	July
##	221 Res	sort	Hotel	0	1	2015	July
##	222 Res	sort	Hotel	1	102	2015	July
##	223 Res	sort	Hotel	0	113	2015	July
##	224 Res	sort	Hotel	1	280	2015	July
##	225 Res	sort	Hotel	0	96	2015	July
##	226 Res	sort	Hotel	0	394	2015	July
##	227 Res	sort	Hotel	0	33	2015	July
##	228 Res	sort	Hotel	0	82	2015	July
##	229 Res	sort	Hotel	0	100	2015	July
##	230 Res	sort	Hotel	0	100	2015	July
##	231 Res	sort	Hotel	0	17	2015	July
##	232 Res	sort	Hotel	0	68	2015	July

##	233 1	Resort	Hotel	0	12	2015	July
##	234 1	Resort	Hotel	1	77	2015	July
##	235 1	Resort	Hotel	1	24	2015	July
##	236	Resort	Hotel	1	44	2015	July
##	237	Resort	Hotel	0	78	2015	July
##	238 1	Resort	Hotel	1	17	2015	July
##	239 1	Resort	Hotel	1	103	2015	July
##	240 1	Resort	Hotel	0	16	2015	July
##	241	Resort	Hotel	0	14	2015	July
##	242 1	Resort	Hotel	0	77	2015	July
##	243 1	Resort	Hotel	0	90	2015	July
##	244 1	Resort	Hotel	0	90	2015	July
##	245 1	Resort	Hotel	0	90	2015	July
##	246	Resort	Hotel	0	366	2015	July
##	247	Resort	Hotel	0	249	2015	July
##	248 1	Resort	Hotel	1	69	2015	July
##	249 1	Resort	Hotel	0	10	2015	July
##	250 1	Resort	Hotel	0	22	2015	July
##	251	Resort	Hotel	0	91	2015	July
##	252 1	Resort	Hotel	0	23	2015	July
##	253 1	Resort	Hotel	0	11	2015	July
##	254 1	Resort	Hotel	0	3	2015	July
##	255 1	Resort	Hotel	0	13	2015	July
##	256	Resort	Hotel	0	108	2015	July
##	257	Resort	Hotel	0	91	2015	July
##	258 1	Resort	Hotel	0	37	2015	July
##	259 1	Resort	Hotel	0	21	2015	July
##	260 1	Resort	Hotel	0	106	2015	July
##	261	Resort	Hotel	0	30	2015	July
##	262 1	Resort	Hotel	0	30	2015	July
##	263 1	Resort	Hotel	1	51	2015	July
##	264 1	Resort	Hotel	0	79	2015	July
##	265	Resort	Hotel	0	21	2015	July
##	266	Resort	Hotel	0	35	2015	July
##	267	Resort	Hotel	0	78	2015	July
##	268 1	Resort	Hotel	0	31	2015	July
##	269 1	Resort	Hotel	0	78	2015	July
##	270	Resort	Hotel	0	78	2015	July
##	271	Resort	Hotel	0	44	2015	July
##	272	Resort	Hotel	0	34	2015	July
##	273	Resort	Hotel	0	87	2015	July
##	274	Resort	Hotel	0	11	2015	July
##	275	Resort	Hotel	0	115	2015	July
##	276	Resort	Hotel	0	86	2015	July
##	277	Resort	Hotel	0	41	2015	July
##	278 1	Resort	Hotel	0	32	2015	July
##	279	Resort	Hotel	0	34	2015	July
##	280 1	Resort	Hotel	0	34	2015	July
##	281	Resort	Hotel	1	100	2015	July
##	282 1	Resort	Hotel	0	44	2015	July
##	283 1	Resort	Hotel	0	304	2015	July
##	284 1	Resort	Hotel	1	36	2015	July
##	285 1	Resort	Hotel	0	117	2015	July
##	286 1	Resort	Hotel	0	70	2015	July
							-

##	207	Resort	Uo+ol	0	110	2015	T1
		Resort		0	109	2015 2015	July July
		Resort		0	33	2015	
		Resort			33		July
				0		2015	July
		Resort		0	33	2015	July
		Resort		0	0	2015	July
		Resort		0	0	2015	July
		Resort		0	0	2015	July
		Resort		0	0	2015	July
		Resort		0	84	2015	July
		Resort		0	71	2015	July
##	298	Resort	Hotel	0	16	2015	July
##	299	${\tt Resort}$	Hotel	0	54	2015	July
##		arrival	l_date_	week_number	arrival_da	te_day_of_month sta	ays_in_weekend_nights
##	1			27		1	0
##	2			27		1	0
##	3			27		1	0
##	4			27		1	0
##	5			27		1	0
##	6			27		1	0
##	7			27		1	0
##	8			27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
	12			27		1	0
##				27		1	0
	14			27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	1
##	22			27		1	2
##				27		1	2
	24			27		1	2
##				27		1	2
	26			27		1	2
	27			27		1	2
	28			27		1	2
##				27		1	2
##				27		1	2
##				27		1	4
	32			27		1	4
	33			27		1	2
	34			27		2	2
##				27 27		2	
							1
	36			27		2	1
	37			27		2	1
##				27		2	1
	39			27		2	1
##	40			27		2	2

## 41	27	2	2
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## 46	27	2	2
## 47	27	2	2
## 48	27	2	2
## 49	27	2	2
## 50	27	2	2
## 51	27	2	2
## 52	27	2	3
## 53	27	2	4
## 54	27	2	0
## 55	27	2	0
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## 58	27	2	0
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## 65	27	2	0
## 66	27	3	0
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## 68	27	3	0
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## 70	27	3	0
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## 75	27	3	0
## 76	27	3	1
## 77	27	3	1
## 78	27	3	2
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## 82	27	3	3
## 83	27	3	3
## 84	27	3	3
## 85	27	3	3
## 86	27	3	4
## 87	27	3	4
## 88	27	3	6
## 89	27	3	0
## 90	27	3	0
## 91 ## 00	27	3	0
## 92 ## 03	27	3	0
## 93 ## 04	27	3	0
## 94	27	3	0

##	95	27	3	0
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##		27	3	2
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	100	27	3	2
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	117	27	4	4
	118	27	4	4
	119	27	4	4
	120	27	4	0
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	122	27	4	0
	123	27	4	0
	124	27	4	0
	125	27	4	0
	126	27	4	0
	127	27	4	0
	128	27	4	1
	129	27	4	1
	130	27	4	1
##	131	27	4	1
	132	28	5	1
	133	28	5	1
##	134	28	5	1
##	135	28	5	1
##	136	28	5	1
##	137	28	5	1
##	138	28	5	1
##	139	28	5	1
##	140	28	5	1
##	141	28	5	2
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	155	28	5	4
##	156	28	5	4
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##	158	28	5	4
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	160	28	5	4
	161	28	6	1
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	168	28	6	0
	169	28	6	0
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	177	28	6	1
	178	28	6	1
	179	28	6	1
	180	28	6	1
##	181	28	6	2
##	182	28	6	2
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	184	28	6	3
	185	28	6	3
	186	28	6	3
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	188	28	6	3
##	189	28	6	3
##	190	28	6	3
	191	28	6	4
	192	28	6	4
	193	28	6	2
	194	28	7	
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	195	28	7	0
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##	197	28	7	0
##	198	28	7	0
	199	28	7	0
	200	28	7	0
	201	28	7	0
	202	28	7	0
##	202	20	ı	U

##	203	28	7	0
##	204	28	7	0
##	205	28	7	0
	206	28	7	0
	207	28	7	2
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	210	28	7	4
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	222	28	8	1
	223	28	8	2
	224	28	8	2
	225	28	8	2
	226	28	8	2
	227	28	8	2
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	230	28	8	2
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	239	28	9	1
	240	28	9	1
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	243	28	9	2
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	246	28	9	2
	247	28	9	2
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##	255		10	0
	256		10	0

	257		28				10		0
	258		28				10		1
	259		28				10		1
	260		28				10		1
	261		28			- 1	10		2
##	262		28			1	10		2
##	263		28			1	10		2
##	264		28			-	10		2
##	265		28				10		2
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##	267		28				10		2
	268		28				10		2
	269		28				10		2
	270		28				10		2
	271		28				10		2
	272		28				10		2
	273		28				10		2
	274		28				10		2
	275		28				10		2
	276		28				10		3
	277		28				10		4
	278		28				10		4
	279		28						
	280						10		2
			28				10		2
	281		28				11		2
	282		28				11		2
	283		28				11		2
	284		28				11		2
	285		28				11		2
	286		28				11		2
	287		28				11		2
	288		28				11		2
	289		28				11		2
	290		28				11		2
	291		28				11		2
	292		28				11		0
	293		28				11		0
	294		28				11		0
	295		28				11		0
	296		28				11		1
	297		28				11		1
	298		28				11		1
	299		28				11		2
##		stays_in_week_nights					_	_	
##		0	2	0	0	BB	PRT	Direct	
##		0	2	0	0	BB	PRT	Direct	
##		1	1	0	0	BB	GBR	Direct	
##		1	1	0	0	BB	GBR	Corporate	
##		2	2	0	0	BB	GBR	Online TA	
##		2	2	0	0	BB	GBR	Online TA	
##		2	2	0	0	BB	PRT	Direct	
##		2	2	0	0	FB	PRT	Direct	
##		3	2	0	0	BB	PRT	Online TA	
##	10	3	2	0	0	HB	PRT	Offline TA/TO	

##	11	4	2	0	0	BB	PRT	Online TA
##	12	4	2	0	0	HB	PRT	Online TA
##	13	4	2	0	0	BB	USA	Online TA
##	14	4	2	1	0	HB	ESP	Online TA
##	15	4	2	0	0	BB	PRT	Online TA
##	16	4	2	0	0	BB	IRL	Online TA
	17	4	2	0	0	BB	PRT	Offline TA/TO
	18	1	2	0	0	BB	IRL	Online TA
	19	1	2	0	0	BB	FRA	Corporate
	20	4	2	0	0	BB	GBR	Direct
	21	4	1	0	0	BB	GBR	Online TA
	22	4	2	0	0	BB	PRT	
								Direct
	23	4	2	0	0	BB	PRT	Direct
	24	4	2	0	0	BB	PRT	Direct
	25	5	2	0	0	HB	GBR	Offline TA/TO
	26	5	2	0	0	BB	PRT	Offline TA/TO
	27	5	2	0	0	BB	IRL	Offline TA/TO
	28	5	2	0	0	BB	PRT	Online TA
##	29	5	2	0	0	BB	PRT	Online TA
##	30	5	2	0	0	BB	PRT	Online TA
##	31	10	1	0	0	BB	NULL	Direct
##	32	11	2	0	0	BB	GBR	Offline TA/TO
##	33	8	2	0	0	BB	PRT	Direct
##	34	4	2	0	0	BB	IRL	Offline TA/TO
##	35	3	3	0	0	BB	PRT	Online TA
	36	3	3	0	0	BB	PRT	Online TA
	37	3	2	0	0	BB	ESP	Online TA
	38	3	3	0	0	BB	PRT	Online TA
	39	3	3	0	0	BB	PRT	Online TA
	40	3	2	0	0	HB	ROU	Direct
	41	3	2	0	0	BB	PRT	Online TA
	42	3	2	0	0	BB	IRL	
								Offline TA/TO
##		3	2	0	0	BB	ESP	Direct
	44	3	2	0	0	HB	ROU	Direct
##		5	2	0	0	BB	PRT	Online TA
	46	5	2	2	0	BB	PRT	Online TA
##		5	2	0	0	BB	ESP	Offline TA/TO
##		5	2	0	0	BB	NOR	Offline TA/TO
##		5	2	0	0	HB	GBR	Offline TA/TO
##	50	5	2	0	0	HB	IRL	Online TA
##	51	5	2	0	0	BB	NOR	Offline TA/TO
##	52	8	2	0	0	BB	IRL	Offline TA/TO
##	53	10	2	0	0	BB	OMN	Offline TA/TO
##	54	1	2	0	0	BB	ESP	Online TA
##	55	1	2	0	0	BB	ARG	Online TA
##	56	1	2	2	0	BB	ESP	Direct
##		1	2	0	0	BB	PRT	Direct
##		1	2	0	0	BB	PRT	Online TA
##		1	2	0	0	BB	PRT	Direct
	60	2	2	0	0	BB	USA	Online TA
##		2	2	0	0	BB	PRT	Online TA
##		2	2	0	0	BB	IRL	Online TA
##		3	2	0	0	BB	ESP	
								Direct
##	04	3	2	0	0	BB	IRL	Offline TA/TO

##		3	2	0	0	HB	PRT	Online TA
##	66	2	2	2	0	BB	USA	Online TA
##	67	2	2	0	0	BB	ESP	Online TA
##	68	2	2	0	0	BB	POL	Online TA
##	69	2	3	0	0	BB	PRT	Offline TA/TO
##	70	2	2	0	0	BB	PRT	Online TA
##		2	2	0	0	BB	PRT	Online TA
	72	2	2	0	0	BB	PRT	Online TA
	73	2	2	0	0	HB	PRT	Offline TA/TO
	74	2	2	0	0	BB	ESP	Online TA
	75	2	3	0	0	BB	PRT	Online TA
	76	2	2	0	0	BB	ESP	Online TA
	77	2	2	0	0	BB	PRT	Online TA
		2		0	0	BB		
	78		1				PRT	Online TA
	79	2	2	0	0	BB	DEU	Offline TA/TO
	80	6	3	0	0	BB	PRT	Offline TA/TO
	81	7	2	0	0	BB	FRA	Offline TA/TO
	82	7	2	0	0	BB	PRT	Offline TA/TO
##		7	2	0	0	BB	GBR	Offline TA/TO
##		7	2	0	0	HB	PRT	Direct
##		7	2	0	0	HB	GBR	Offline TA/TO
##	86	10	2	0	0	HB	GBR	Offline TA/TO
##	87	10	2	0	0	BB	GBR	Online TA
##	88	15	2	1	0	BB	PRT	Offline TA/TO
##	89	1	2	0	0	BB	GBR	Online TA
##	90	1	2	0	0	BB	PRT	Online TA
##	91	1	2	0	0	BB	ESP	Online TA
##	92	1	2	0	0	BB	PRT	Online TA
##	93	1	2	0	0	BB	USA	Online TA
##	94	1	2	0	0	BB	BEL	Online TA
##	95	2	2	0	0	BB	PRT	Online TA
	96	2	2	0	0	BB	PRT	Online TA
	97	5	2	0	0	BB	PRT	Online TA
	98	5	3	0	0	HB	ESP	Offline TA/TO
##		5	2	1	0	BB	PRT	Online TA
	100	5	2	0	0	BB	DEU	Direct
	101	1	2	0	0	BB	ESP	Direct
	102	1	2	0	0		FRA	Offline TA/TO
	103	4	1	2	0	BB BB	FRA	Offline TA/TO
	104		2	0	0		PRT	
		4				BB		Online TA
	105	5	2	0	0	BB	PRT	Online TA
	106	5	2	2	0	BB	PRT	Online TA
	107	5	3	0	0	HB	PRT	Direct
	108	5	2	0	0	BB	PRT	Online TA
	109	5	2	0	0	BB	PRT	Offline TA/TO
	110	5	2	0	1	BB	PRT	Online TA
	111	5	2	0	0	BB	CHE	Online TA
	112	5	2	0	1	HB	PRT	Online TA
##	113	5	2	0	0	BB	GBR	Online TA
##	114	6	3	0	0	BB	PRT	Online TA
##	115	6	2	0	0	BB	PRT	Online TA
##	116	6	2	0	0	BB	PRT	Online TA
##	117	6	2	0	0	BB	GBR	Offline TA/TO
##	118	6	2	0	0	BB	PRT	Offline TA/TO

		_	_		_			
	119	6	2	1	0	HB	PRT	Direct
	120	1	2	2	0	BB	PRT	Online TA
##	121	1	2	0	0	BB	PRT	Offline TA/TO
##	122	1	1	0	0	HB	PRT	Online TA
##	123	1	1	0	0	BB	PRT	Direct
##	124	1	2	0	0	BB	PRT	Online TA
##	125	1	2	0	0	BB	PRT	Online TA
##	126	1	4	0	0	FB	PRT	Complementary
	127	1	2	0	0	BB	ESP	Online TA
##	128	1	2	0	0	BB	FRA	Online TA
##	129	1	2	0	0	BB	PRT	Online TA
##	130	1	2	0	0	BB	FRA	Online TA
##	131		2	0	0	BB	FRA	
		1						Online TA
##	132	0	2	0	0	BB	ESP	Online TA
	133	0	2	0	0	BB	PRT	Online TA
##	134	0	2	0	0	BB	ESP	Online TA
	135	0	1	0	0	BB	DEU	Online TA
	136	0	1	0	0	BB	PRT	Online TA
##	137	0	2	0	0	BB	PRT	Online TA
##	138	0	1	0	0	BB	DEU	Online TA
##	139	0	2	0	0	BB	PRT	Online TA
##	140	0	2	0	0	BB	PRT	Direct
##	141	0	3	0	0	HB	PRT	Online TA
##	142	0	2	0	0	BB	FRA	Online TA
	143	2	2	0	0	ВВ	ESP	Online TA
	144	3	2	1	0	BB	CN	Offline TA/TO
	145	3	2	0	0	BB	ESP	Online TA
	146	3	2	0	0	BB	PRT	Online TA
	147	4	2	0	0	BB	ESP	Online TA
	148	4	2	0	0	BB	PRT	
								Online TA
	149	4	2	2	0	BB	PRT	Online TA
	150	5	2	0	0	HB	PRT	Offline TA/TO
	151	5	2	2	0	HB	PRT	Direct
	152	5	2	0	0	BB	IRL	Online TA
	153	5	2	0	0	HB	PRT	Online TA
	154	5	2	0	0	BB	ESP	Offline TA/TO
##	155	5	2	2	0	BB	CHE	Online TA
##	156	6	2	0	0	BB	PRT	Offline TA/TO
##	157	6	3	0	0	BB	PRT	Direct
##	158	7	2	0	0	BB	GBR	Offline TA/TO
##	159	10	1	0	0	HB	GBR	Offline TA/TO
##	160	10	2	0	0	HB	GBR	Offline TA/TO
	161	4	2	2	0	BB	PRT	Online TA
	162	3	2	0	0	BB	PRT	Online TA
	163	3	2	0	0	BB	USA	Online TA
	164	3	3	0	0	BB	CN	Offline TA/TO
	165	3	2	2	0	HB	CHE	Direct
	166	3	2	0	1	BB	PRT	Online TA
		3	3	0	0			
	167					BB	USA	Online TA
	168	0	2	0	0	BB	PRT	Online TA
	169	0	1	0	0	BB	PRT	Direct
	170	0	2	1	0	BB	PRT	Direct
	171	1	2	0	0	BB	PRT	Online TA
##	172	1	2	0	0	BB	USA	Online TA

	173	2	2	0	0	BB	GRC	Online TA
##	174	3	2	0	0	HB	PRT	Online TA
##	175	3	2	0	0	HB	PRT	Offline TA/TO
##	176	3	2	0	0	BB	PRT	Online TA
##	177	4	2	0	0	BB	PRT	Online TA
##	178	4	2	0	0	HB	PRT	Direct
	179	5	2	0	0	HB	ESP	Online TA
	180	5	2	0	0	BB	PRT	Online TA
	181	5	2	2	0	HB	PRT	Online TA
##	182	5	1	0	0	HB	PRT	Offline TA/TO
##	183	5	2	0	0	BB	GBR	Offline TA/TO
##	184	5	2	0	0	HB	PRT	Online TA
##	185	7	2	0	0	BB	PRT	Online TA
##	186	7	2	0	0	BB	GBR	Offline TA/TO
##		7	2	0	0		GBR	
	187					BB		Offline TA/TO
##	188	7	2	0	0	HB	PRT	Direct
##	189	7	2	0	0	HB	GBR	Offline TA/TO
	190	8	1	0	0	BB	FRA	Direct
	191	10	2	0	0	BB	ITA	Offline TA/TO
	192	10	2	0	0	BB	GBR	Offline TA/TO
	193	5	2	0	0	BB	PRT	Offline TA/TO
	194	2	2	0	0	BB	PRT	Online TA
	195	3	2	0	0	BB	ESP	Online TA
	196	3	2	1	0	HB	PRT	Direct
	197	0	2	0	0	BB	PRT	Direct
	198	0	2	0	0	BB	PRT	Online TA
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	200	1	3	0	0	HB	PRT	Direct
##	201	1	1	0	0	BB	GBR	Online TA
##	202	4	3	2	0	BB	ESP	Online TA
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##	204	4	3	0	0	HB	USA	Offline TA/TO
##	205	4	2	0	0	BB	NLD	Direct
##	206	5	2	0	0	HB	PRT	Offline TA/TO
##	207	5	2	0	0	HB	PRT	Online TA
##	208	5	2	0	0	BB	IRL	Offline TA/TO
##	209	5	2	0	0	BB	PRT	Offline TA/TO
##	210	10	2	0	0	HB	IRL	Offline TA/TO
##	211	3	2	0	0	BB	GBR	Online TA
	212	4	2	0	0	BB	PRT	Online TA
##	213	4	2	0	0	BB	ESP	Online TA
	214	4	2	0	0	BB	PRT	Online TA
	215	4	2	0	0	BB	ESP	Online TA
	216	4	2	0	0	BB	PRT	Offline TA/TO
	217	4	2	0	0	BB	PRT	Online TA
	218	1	1	0	0	BB	PRT	Offline TA/TO
	219	1	2	0	0	BB	PRT	Corporate
	220	1	2	0	0	BB	PRT	Corporate
	221	2	2	0	0	BB	CHE	=
	222	4	2	0	0	BB	PRT	Corporate Direct
	223	4	2	0	0	ВВ	PRT	Direct
	224	5	2	1	0	НВ	PRT	Offline TA/TO
	225	5 5	2	0	0	пв ВВ	GBR	
								Online TA
##	226	5	2	0	0	HB	GBR	Offline TA/TO

##	227	5	2	0	0	HB	PRT	Online TA
	228	6	3	0	0	BB	IRL	Direct
	229	7	3	0	0	BB	DNK	Online TA
	230	7	2	0	0	BB	DNK	Online TA
	231	1	2	2	0	BB	PRT	Online TA
	232	2	3	0	0	BB	ARG	Direct
	233	2	2	2	0	BB	PRT	Direct
	234	3	2	0	0	BB	PRT	Direct
	235	3	2	2	0	BB	PRT	Online TA
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	237	3	2	0	1	BB	PRT	Online TA
	238	3	2	0	0	BB	PRT	Online TA
	239	3	2	0	0			
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	240	3	1	0	0	BB	RUS	Direct
	241	3	2	0	0	BB	SWE	Online TA
	242	3	2	0	0	BB	POL	Offline TA/TO
	243	5	2	0	0	BB	FRA	Offline TA/TO
	244	5	2	0	0	BB	GBR	Offline TA/TO
	245	5	2	0	0	BB	GBR	Offline TA/TO
	246	5	2	0	0	HB	GBR	Offline TA/TO
	247	5	2	0	0	HB	PRT	Online TA
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##	250	2	2	0	0	BB	PRT	Online TA
##	251	2	2	0	0	BB	PRT	Online TA
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	265	3	2	0	2	HB	PRT	Direct
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	270	5	2					
				0	0	HB	PRT	Online TA
	271	5	1	0	0	HB	RUS	Offline TA/TO
	272	5	2	1	0	HB	GBR	Online TA
	273	5	2	1	1	FB	PRT	Offline TA/TO
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	293	1	2	0	0	HB	DEU	Online TA
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##	297	1	2	0	0	BB	ESP	Offline TA/TO
##	298	1	2	0	0	BB	ROU	Online TA
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##	4	Corporate		0				0
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##	6	TA/TO		0				0
##	7	Direct		0				0
##	8	Direct		0				0
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##	18	TA/TO		0				0
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## ##		TA/TO TA/TO	0	0
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##	142	TA/TO	0	0

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## 267
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## 292
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## 293
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## 294
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                       Direct
## 295
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## 296
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                    Corporate
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##
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## 1
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                                                                                  С
## 2
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                                                             С
                                                                                  С
## 3
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                                                                                  С
                                                             Α
## 4
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                                                             Α
                                                                                  Α
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##		0	C	C
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##		0	E	E
##			D	D
##		0	D D	E
##		0	G G	G
##		0	E	E
##		0	D	E
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##				E
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##		0	A G	G
##		0	F	G F
##				
##		0	A A	A A
##		0	D	D
##		0	D D	I
##		0	D D	D
##		0	D D	D
##		0	E	E
##		0	A	A
##		0	D	D
##		0	A	A
##		0	D	D
##		0	E	E
##		0	A	С
##		0	D	D
##		0	D	D
##		0	A	C
##		0	D	D
##		0	D	D
##		0	E	E
##		0	G	G
##		0	D	D
##		0	F	F
##		0	E	Е
##		0	A	Α
##		0	G	G
##		0	A	Α
##	48	0	E	E
##	49	0	A	В
##	50	0	E	F
##	51	0	D	D
##		0	A	Α
##		0	D	D
##		0	A	С
##		0	Н	Н
##		0	C	С
##		0	Н	Н
##		0	A	D

##	59	0	G	G
##	60	0	A	C
##	61	0	G	G
##	62	0	E	Ε
##	63	0	F	F
##	64	0	A	C
##	65	0	A	Α
##	66	0	G	Н
##	67	0	A	C
##	68	0	D	D
##	69	0	A	Α
##	70	0	A	Α
##	71	0	D	D
##	72	0	A	Α
##	73	0	A	Α
##	74	0	A	Α
##	75	0	A	Α
##	76	0	A	Α
##	77	0	E	Ε
##	78	0	A	Α
##	79	0	A	Α
##	80	0	D	D
##	81	0	A	Α
##	82	0	A	Α
##	83	0	A	Α
##		0	A	Α
##	85	0	E	Ε
##	86	0	E	Ε
##	87	0	F	F
##	88	0	A	Α
##	89	0	A	C
##	90	0	A	C
##	91	0	A	C
##		0	E	Ε
##		0	C	C
##		0	A	Α
##		0	A	Α
##		0	A	Α
##		0	F	F
##		0	E	E
##		0	D	D
	100	0	E	E
	101	0	A	С
	102	0	D	D
	103	0	F	F
	104	0	A	С
	105	0	E	E
	106	0	H	H
	107	0	D	D
	108	0	A	A
	109	0	A	A
	110	0	A	A
	111	0	D	D
##	112	0	E	F

##	113	0	A	Α
	114	0	E	Е
##	115	0	E	Ε
##	116	0	A	Α
##	117	0	D	D
##	118	0	D	D
##	119	0	D	D
##	120	0	H	G
##	121	0	D	C
	122	0	A	Α
	123	0	E	G
	124	0	A	Α
	125	0	D	D
	126	0	Н	Η
	127	0	E	E
	128	0	A	С
	129	0	A	A
	130	0	A	A
	131	0	A	C
	132	0	A	C
	133	0	D	D
	134	0	A	C
	135	0	A	A
	136 137	0	A	D
	138	0	A	E
	139	0	A D	A D
	140	0	G	G
	141	0	G	G
	142	0	D	E
	143	0	D	D
	144	0	A	D
	145	0	E	E
	146	0	E	E
	147	0	H	H
	148	0	A	Α
	149	0	Н	Н
##	150	0	D	D
	151	0	C	С
##	152	0	F	F
##	153	0	A	Α
##	154	0	E	Ε
	155	0	H	Н
	156	0	D	D
	157	0	D	C
	158	0	D	D
	159	0	A	Α
	160	0	D	D
	161	0	G	G
	162	0	A	С
	163	0	G	G
	164	0	D	D
	165	0	G	G
##	166	0	D	E

	4.05		~	~
	167	0	G	G
	168	0	A	Η
##	169	0	E	Η
##	170	0	A	E
##	171	0	A	E
##	172	0	D	F
	173	0	D	D
	174	0	E	E
	175	0	A	E
	176			
		0	A	С
	177	0	E	E
	178	0	F	F
	179	0	A	С
	180	0	E	Ε
##	181	0	G	G
##	182	0	A	Α
##	183	0	A	Α
##	184	0	A	C
##	185	0	D	D
##	186	0	A	Α
	187	0	D	D
	188	0	F	F
	189	0	D	D
	190	0	A	A
	191			
		0	D	D
	192	0	A	A
	193	0	D	D
	194	0	A	Α
	195	0	A	Α
	196	0	F	F
##	197	0	A	Α
##	198	0	A	E
##	199	0	A	Α
##	200	0	C	С
##	201	0	A	Α
	202	0	Н	Н
	203	0	D	D
	204	0	D	E
	205	0	A	A
	206	0	A	A
	207	0	E	E
	208	0	D	D
	209	0	A	A
	210	0	D	D
	211	0	E	Ε
	212	0	A	A
	213	0	A	A
	214	0	A	A
##	215	0	D	D
##	216	0	A	Α
##	217	0	A	Α
	218	0	A	Α
	219	0	A	A
	220	0	A	A
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шш	001	0	٨	T.
	221	0	A	F
	222	0	A	A
	223	0	E	E
	224	0	D	D
##	225	0	E	F
##	226	0	D	D
##	227	0	E	Ε
	228	0	A	Α
	229	0	E	E
	230	0	E	E
	231	0	C	C
	232	0	A	С
	233	0	Н	G
	234	0	D	D
	235	0	C	С
##	236	0	G	G
##	237	0	A	Α
##	238	0	A	Α
##	239	0	A	Α
##	240	0	A	Α
	241	0	A	Α
	242	0	A	A
	243	0	A	D
	244	0	A	A
	245	0	E	Е
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	247	0	A	A
	248	0	A	A
	249	0	A	A
	250	0	A	A
##	251	0	A	Α
##	252	0	A	Α
##	253	0	A	Α
##	254	0	A	Α
##	255	0	G	G
	256	0	D	D
	257	0	A	A
	258	0	C	C
	259	0	A	C
	260	0	E	E
	261	0	F	F
	262	0	F	F
	263	0	E	E
	264	0	A	Α
	265	0	C	С
##	266	0	G	G
##	267	0	A	Α
##	268	0	D	D
##	269	0	D	D
	270	0	E	E
	271	0	E	E
	272	0	F	F
	273	0	C	C
	274	0	C	C
##	214	U	C	U

##	275				0		A	
	276				0		D	
	277				0		F	
	278				0		C	
	279				0		D	
	280							
					0		F	
	281				0		A	
	282				0		A	
	283				0		A	
	284				0		E	
	285				0		D	
	286				0		A	
##	287				0		E	
##	288				0		A	
##	289				0		E	
##	290				0		E	
##	291				0		E	
##	292				0		A	
##	293				0		A	
##	294				0		G	
##	295				0		A	
##	296				0		A	
	297				0		A	
	298				0		C	
	299				0		E	
##	200	hooking changes	denos	sit type		company	days_in_waiting_l	ist
##	1	3		Deposit	NULL	NULL	dayb_in_waiting_i	0
##	2	4						0
				Deposit	NULL NIII I	NULL NIII I		
##	3	0	No	Deposit	NULL	NULL		0
## ##	3 4	0	No No	Deposit Deposit	NULL 304	NULL NULL		0 0
## ## ##	3 4 5	0 0 0	No No No	Deposit Deposit Deposit	NULL 304 240	NULL NULL NULL		0 0 0
## ## ## ##	3 4 5 6	0 0 0	No No No No	Deposit Deposit Deposit Deposit	NULL 304 240 240	NULL NULL NULL NULL		0 0 0
## ## ## ##	3 4 5 6 7	0 0 0 0	No No No No	Deposit Deposit Deposit Deposit Deposit	NULL 304 240 240 NULL	NULL NULL NULL NULL NULL		0 0 0 0
## ## ## ## ##	3 4 5 6 7 8	0 0 0 0 0	No No No No No	Deposit Deposit Deposit Deposit Deposit	NULL 304 240 240 NULL 303	NULL NULL NULL NULL NULL NULL		0 0 0 0 0
## ## ## ## ##	3 4 5 6 7 8 9	0 0 0 0 0	No No No No No	Deposit Deposit Deposit Deposit Deposit Deposit	NULL 304 240 240 NULL 303 240	NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0
## ## ## ## ## ##	3 4 5 6 7 8 9 10	0 0 0 0 0 0	No No No No No No	Deposit Deposit Deposit Deposit Deposit Deposit Deposit Deposit	NULL 304 240 240 NULL 303 240 15	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0
## ## ## ## ## ##	3 4 5 6 7 8 9 10 11	0 0 0 0 0 0	No No No No No No	Deposit Deposit Deposit Deposit Deposit Deposit Deposit Deposit	NULL 304 240 240 NULL 303 240 15 240	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0
## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12	0 0 0 0 0 0 0	No No No No No No No	Deposit	NULL 304 240 240 NULL 303 240 15 240 240	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0
## ## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12 13	0 0 0 0 0 0 0 0	No No No No No No No No	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 240	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0
## ## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12 13 14	0 0 0 0 0 0 0 0 0	No	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 240 241	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0
## ## ## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12 13 14 15	0 0 0 0 0 0 0 0 0 0	No	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 241 241	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0
## ## ## ## ## ## ## ## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12 13 14 15 16	0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 241 241 241	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0
## ## ## ## ## ## ## ## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 241 241 241 240 8	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0
## ## ## ## ## ## ## ## ## ## ## ## ##	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 241 241 241 240 8 240	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0
######################################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 15 240 240 241 241 241 240 8 240 NULL	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0
# # # # # # # # # # # # # # # # # # #	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 240 240 241 241 241 240 8 240 NULL 250	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0 0
######################################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 240 240 241 241 241 240 NULL 250 241	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0 0
# # # # # # # # # # # # # # # # # # #	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 NULL 303 240 15 240 241 241 241 240 8 240 NULL 250 241	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0 0
######################################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0	No N	Deposit	NULL 304 240 240 NULL 303 240 240 240 241 241 241 240 NULL 250 241	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0 0
######################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 NULL 303 240 15 240 241 241 241 240 8 240 NULL 250 241 250 250	NULL NULL NULL NULL NULL NULL NULL NULL		0 0 0 0 0 0 0 0 0 0 0 0
#########################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 NULL 303 240 15 240 240 241 241 240 8 240 NULL 250 241 250 250	NULL NULL NULL NULL NULL NULL NULL NULL		
########################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0	No N	Deposit	NULL 304 240 NULL 303 240 15 240 241 241 241 240 8 240 NULL 250 241 250 250	NULL NULL NULL NULL NULL NULL NULL NULL		
########################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 NULL 303 240 15 240 240 241 241 240 8 240 NULL 250 250 250 115	NULL NULL NULL NULL NULL NULL NULL NULL		
############################	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	No N	Deposit	NULL 304 240 NULL 303 240 15 240 240 241 241 240 8 240 NULL 250 250 250 115 5	NULL NULL NULL NULL NULL NULL NULL NULL		

A D F C D F A A E D A E

A E E

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##	29		Deposit	240	NULL	0
##	30		Deposit	240	NULL	0
##	31		Deposit	NULL	NULL	0
##	32		Deposit	241	NULL	0
##	33		Deposit	NULL	NULL	0
##	34		Deposit	175	NULL	0
##	35		Deposit	241	NULL	0
##	36		Deposit	241	NULL	0
##	37		Deposit	240	NULL	0
##	38		Deposit	241	NULL	0
##	39		Deposit	241	NULL	0
	40		Deposit	250	NULL	0
##	41		Deposit	241	NULL	0
##	42		Deposit	8	NULL	0
	43		Deposit	NULL	NULL	0
	44		Deposit	250	NULL	0
	45		Deposit	240	NULL	0
	46		Deposit	240	NULL	0
##			Deposit	134	NULL	0
##			Deposit	156	NULL	0
##			Deposit	243	NULL	0
##	50		Deposit	241	NULL	0
##	51		Deposit	156	NULL	0
##	52		Deposit	156	NULL	0
##	53		Deposit	243	NULL	0
##	54		Deposit	240	NULL	0
##	55		Deposit	240	NULL	0
##	56		Deposit	NULL	NULL	0
##	57		Deposit	NULL	NULL	0
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	60		Deposit	242	NULL	0
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## ##	63		Deposit	240	NULL	0
##	64		Deposit	250 115	NULL NULL	0
##		_	Deposit Deposit	240	NULL	0
##			-	240	NULL	0
##			Deposit Deposit	240	NULL	0
##			Deposit	242	NULL	0
##			Deposit	242	NULL	0
##			Deposit	240	NULL	0
	71		Deposit	240	NULL	0
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##	75		Deposit	242	NULL	0
##	76		Deposit	240	NULL	0
##	77		Deposit	240	NULL	0
##	78		Deposit	240	NULL	0
	79		Deposit	105	NULL	0
##			Deposit	5	NULL	0
##			Deposit	40	NULL	0
##			Deposit	40	NULL	0
	- *	-	 			-

##		0	Deposit	40	NULL	0
##	84	2	Deposit	250	NULL	0
##	85	0	Deposit	115	NULL	0
##	86	0	Deposit	40	NULL	0
##	87	1	Deposit	241	NULL	0
##	88	0	Deposit	242	NULL	0
##	89	0	Deposit	240	NULL	0
##	90	0	Deposit	240	NULL	0
##	91	0	Deposit	240	NULL	0
##	92	0	Deposit	240	NULL	0
##	93	0	Deposit	241	NULL	0
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##	96	0	Deposit	240	NULL	0
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##	98	0	Deposit	105	NULL	0
##	99	0	Deposit	240	NULL	0
##	100	0	Deposit	250	NULL	0
##	101	0	Deposit	250	NULL	0
	102	0	Deposit	8	NULL	0
	103	0	Deposit	241	NULL	0
	104	0	Deposit	240	NULL	0
	105	0	Deposit	240	NULL	0
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	107	0	Deposit	250	NULL	0
##	108	0	Deposit	240	NULL	0
##	109	0	Deposit	134	NULL	0
##	110	0	Deposit	240	NULL	0
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	112	0	Deposit	240	NULL	0
	113	0	Deposit	147	NULL	0
##	114	0	Deposit	241	NULL	0
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## ##	116	0	Deposit	240	NULL	0
##	117 118	0	Deposit	40 40	NULL NULL	0
	119	1	Deposit	250	NULL	0
	120	1	Deposit Deposit	240	NULL	0
	121	0	Deposit	8	NULL	0
	122	0	Deposit	240	NULL	0
	123	1	Deposit	250	NULL	0
	124	0	Deposit	240	NULL	0
	125	0	Deposit	240	NULL	0
##	126	2	Deposit	NULL	NULL	0
##	127	0	Deposit	240	NULL	0
##	128	0	Deposit	240	NULL	0
##	129	0	Deposit	240	NULL	0
##	130	0	Deposit	240	NULL	0
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##	132	0	Deposit	240	NULL	0
##	133	0	Deposit	240	NULL	0
	134	1	Deposit	306	NULL	0
	135	0	Deposit	184	NULL	0
	136	0	Deposit	240	NULL	0
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	137	0	No	Deposit	240	NULL	(0
	138	0	No	Deposit	184	NULL	(0
##	139	0	No	Deposit	240	NULL	(0
##	140	0	No	Deposit	NULL	NULL		0
##	141	3	No	Deposit	240	NULL	(0
##	142	0	No	Deposit	240	NULL	(0
##	143	0	No	Deposit	240	NULL	(0
##	144	0	No	Deposit	241	NULL	(0
##	145	0	No	Deposit	240	NULL		0
##	146	0	No	Deposit	240	NULL		0
##	147	0	No	Deposit	240	NULL		0
##	148	0	No	Deposit	240	NULL		0
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##	153	0	No	Deposit	240	NULL		0
##	154	0		Deposit	175	NULL		0
##	155	1		Deposit	240	NULL		0
##	156	0		Deposit	5	NULL		0
##	157	3	No	Deposit	NULL	NULL		0
##	158	0	No	Deposit	40	NULL		0
##	159	0		Deposit	40	NULL		0
##	160	0		Deposit	243	NULL		0
##	161	1	No	Deposit	240	NULL		0
##	162	0		Deposit	240	NULL		0
##	163	0		Deposit	241	NULL		0
##	164	0		Deposit	96	NULL		0
##	165	0	No	Deposit	250	NULL		0
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##	167	0		Deposit	241	NULL		0
##	168	0		Deposit	240	NULL		0
##	169	0		Deposit	250	NULL		0
##	170	0		Deposit	NULL	NULL		0
##	171	0		Deposit	240	NULL		0
##	172	0		Deposit	240	NULL		0
##	173	0		Deposit	240	NULL		0
	174	0		Deposit	240	NULL		0
	175	0		Deposit	175	NULL		0
	176	1		Deposit	240	NULL		0
	177	0		Deposit	240	NULL		0
	178	0		Deposit	250	NULL		0
	179	0		Deposit	240	NULL		0
	180	1		Deposit	240	NULL		0
	181	0		Deposit	240	NULL		0
	182	0		Deposit	175	NULL		0
	183	0		Deposit	2	NULL		0
	184	0		Deposit	240	NULL		0
	185	0		Deposit	240	NULL		0
	186	0		Deposit	242	NULL		0
	187	1		Deposit	241	NULL		0
	188	5		Deposit	250	NULL		0
	189	0		Deposit	156	NULL		0
##	190	1	NO	Deposit	NULL	NULL	(0

##	191	0	No	Deposit	8	NULL	(0
##	192	0	No	Deposit	40	NULL	(0
##	193	0	No	Deposit	127	NULL	(0
##	194	0	No	Deposit	240	NULL	(0
##	195	0	No	Deposit	240	NULL	(0
##	196	0	No	Deposit	250	NULL	(0
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##	198	0	No	Deposit	240	NULL	(0
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##	206	0	No	Deposit	134	NULL	(0
##	207	0	No	Deposit	240	NULL	(0
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##	212	0	No	Deposit	240	NULL	(0
##	213	0	No	Deposit	240	NULL	(0
##	214	0	No	Deposit	240	NULL	(0
##	215	0	No	Deposit	240	NULL	(0
##	216	0	No	Deposit	105	NULL	(0
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##	218	0	No	Deposit	146	NULL	(0
##	219	0	No	Deposit	NULL	110	(0
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##	221	0	No	Deposit	NULL	110	(0
##	222	0	No	Deposit	9	NULL	(0
##	223	1	No	Deposit	250	NULL	(0
##	224	0	No	Deposit	40	NULL	(0
##	225	0	No	Deposit	240	NULL	(0
##	226	0	No	Deposit	40	NULL	(0
##	227	0	No	Deposit	240	NULL	(0
##	228	0	No	Deposit	250	NULL	(0
##	229	1	No	Deposit	240	NULL	(0
##	230	0	No	Deposit	240	NULL	(0
##	231	0	No	Deposit	242	NULL	(0
##	232	0	No	Deposit	250	NULL	(0
##	233	2	No	Deposit	NULL	NULL	(0
##	234	0	No	Deposit	250	NULL	(0
##	235	0	No	Deposit	242	NULL	(0
##	236	0	No	Deposit	240	NULL	(0
##	237	0	No	Deposit	240	NULL	(0
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##	239	0	No	Deposit	240	NULL	(0
##	240	0	No	Deposit	250	NULL	(0
##	241	0	No	Deposit	241	NULL	(0
##	242	0	No	Deposit	177	NULL	(0
	243	0	No	Deposit	6	NULL	(0
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##	252	0		Deposit	240	NULL	0
##	253	0		Deposit	240	NULL	0
##	254	0		Deposit	240	NULL	0
##	255	2		Deposit	240	NULL	0
##	256	1		Deposit	240	NULL	0
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	264	0	No	Deposit	240	NULL	0
	265	1	No	Deposit	250	NULL	0
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	268	1	No	Deposit	250	NULL	0
	269	1	No	Deposit	240	NULL	0
	270	1	No	Deposit	240	NULL	0
	271	2	No	Deposit	244	NULL	0
	272	0	No	Deposit	241	NULL	0
	273	0	No	Deposit	5	NULL	0
	274	0	No	Deposit	250	NULL	0
	275	0	No	Deposit	240	NULL	0
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	277	0	No	Deposit	241	NULL	0
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	282	0		Deposit	240	NULL	0
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	285	0		Deposit	15	NULL	0
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##		0		Deposit	240	NULL	0
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##		1		Deposit	240	NULL	0
##		0		Deposit	NULL	NULL	0
	295	0		Deposit	240	NULL	0
	296	0		Deposit	NULL	113	0
	297	0		Deposit	175	NULL	0
##	298	0	No	Deposit	242	NULL	0

##	200	0	No De	omogit 240 MILLI
##	299	0 customer_type		eposit 240 NULL required_car_parking_spaces
##	1	Transient	0.00	1 equited_car_parking_spaces
##	2	Transient	0.00	0
	3	Transient	75.00	0
##	4	Transient	75.00	0
##	5	Transient	98.00	0
##	6	Transient	98.00	0
##	7	Transient		0
##	8	Transient		0
##	9	Transient	82.00	0
##	10	Transient		0
	11	Transient		0
	12	Transient		0
	13	Transient	97.00	0
	14	Transient		0
	15	Transient	94.71	0
	16	Transient	97.00	0
	17	Contract	97.50	0
	18	Transient	88.20	0
	19	Transient		0
	20	Transient		0
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	22	Transient	84.67	0
	23	Transient	84.67	0
	24	Transient	99.67	0
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##		Transient	63.60	1
##		Contract	79.50	0
	28	Transient		0
##		Transient	94.00	0
##		Transient	87.30	1
##		Transient	62.00	0
	32	Transient	63.86	0
	33	Transient		0
	34	Transient	65.50	0
	35	Transient		0
	36	Transient		0
	37	Transient		0
	38	Transient		0
	39	Transient		0
	40	Transient		0
	41	Transient		0
	42	Contract		0
	43	Transient		0
	44	Transient		0
	45	Transient		0
	46	Transient		0
	47	Transient		0
	48	Transient-Party		0
	49	Contract		0
	50	Transient		0
	51	Transient-Party		0
	52	Contract		0
		22222200		

##	53	Contract	110.70	
##	54	Transient	88.20	
##	55	Transient	147.00	
##	56	Transient	107.00	
##	57	Transient	147.00	
##	58	Transient	117.90	
##	59	Transient	123.00	
##	60	Transient	98.00	
##	61	${\tt Transient}$	117.81	
##	62	${\tt Transient}$	135.00	
##	63	${\tt Transient}$	133.00	
##	64	Contract	58.95	
##	65	${\tt Transient}$	136.33	
##	66	${\tt Transient}$	153.00	
##	67	${\tt Transient}$	110.50	
##	68	${\tt Transient}$	97.00	
##	69	Transient	110.30	
##	70	Transient	82.00	
##	71	Transient	97.00	
##	72	Transient	73.80	
##	73	Transient	91.50	
##	74	Transient	114.50	
##	75	Transient	110.30	
##	76	Transient	90.90	
##	77	Transient	123.00	
##	78	Transient	122.00	
##	79	Transient	110.70	
##	80	Transient	85.86	
##	81	Contract	58.95	
##	82	Contract	55.68	
##	83	Contract	55.68	
##	84	Transient	124.00	
##	85	Contract	111.15	
##	86	Contract	134.73	
##	87	Transient	92.45	
##	88	Transient	108.73	
##	89	Transient	73.80	
##	90	Transient	98.00	
##	91	Transient	131.00	
##	92	Transient	123.00	
	93	Transient	94.71	
	94	Transient		
	95	Transient		
	96	Transient	73.80	
	97	Transient		
	98	Transient		
	99	Transient	99.30	
	100	Transient	90.95	
	101	Transient	92.67	
	102	Transient	71.55	
	103	Transient	96.49	
	104	Transient	85.80	
	105	Transient	96.30	
	106	Transient		
	- • •			

	107	Transient		
##	108	Transient		
##	109	Transient	58.95	
##	110	Transient	73.80	
##	111	Transient	97.00	
##	112	Transient		
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##	114	Transient	116.50	
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##	117	Contract	71.55	
##	118	Contract	71.55	
##	119	Transient	149.00	
##	120	Transient	163.00	
##	121	Contract	79.50	
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##	123	Transient	123.00	
##	124	Transient	73.80	
##	125	Transient	113.00	
##	126	Transient	0.00	
##	127	Transient	123.00	
##		Transient-Party	73.80	
##	129	•	114.50	
##		Transient-Party	73.80	
##		Transient-Party		
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 ‡#	133	Transient	97.00	
 ‡#	134	Transient		
; ;; ‡#	135	Transient	89.00	
##	136	Transient	80.10	
##	137	Transient	98.00	
; ;; ‡#	138	Transient		
; ;; ‡#	139	Transient	97.00	
;;; ‡#	140	Transient		
##	141	Transient		
+# ##	142	Transient	97.00	
## ##	143	Transient	87.30	
		Transient		
	144 145	Transient	85.59	
	145	Transient		
	147	Transient		
	148		82.00	
	149	Transient		
	150	Transient		
	151	Transient		
	152	Transient	97.29	
	153	Transient		
	154	Transient	98.40	
	155	Transient		
	156		63.60	
	157	Transient	124.45	
44	1 5 0	Contract	110.70	
	158			
##	159 160		74.07	

##	161	${\tt Transient}$	167.00	0
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	183	Contract		0
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	189	Contract	91.37	0
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	192	Contract	93.60	0
	193	Transient	83.50	0
	194	Transient	73.80	0
	195	Transient	82.00	1
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##	197	Transient	0.00	0
	198	Transient	0.00	0
	199	Transient		0
	200	Transient		1
	201	Transient		0
	202	Transient		0
	203	Transient		0
	204	Transient		0
	205			0
	206	Transient		0
	207	Transient		0
	208			0
	209			0
	210	Contract		0
	211	Transient		0
	212	Transient Transient		1
	213	Transient		
##	214	TIGHSTEHL	120.00	0

	215	Transient		
	216	Transient		
	217		73.80	
	218	Transient		
	219	Transient		
	220	Transient		
	221	Transient		
	222	Transient		
	223	Transient		
	224	Contract		
	225	Transient		
	226	Contract		
	227	Transient		
	228	Transient		
		Transient-Party		
		Transient-Party		
	231	Transient		
	232	Transient		
	233	Transient		
	234	Transient	97.00	
	235	Transient		
	236	Transient	153.00	
	237	Transient	82.00	
	238	Transient		
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##	241	Transient		
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##	243	Transient	90.95	
##	244	Contract	93.60	
##	245	Contract	119.25	
##	246	Contract	134.73	
##	247	Transient	112.00	
##	248	Transient	118.13	
##	249	Transient	131.00	
##	250	Transient	88.20	
##	251	Transient	73.80	
##	252	Transient	98.00	
##	253	Transient	110.50	
##	254	Transient	131.00	
##	255	Transient	185.00	
##	256	Transient	87.30	
##	257	Transient	73.80	
##	258	Transient	120.00	
##	259	Transient	98.00	
##	260	Transient	96.30	
		Transient-Party		
		Transient-Party		
	263	Transient		
	264	Transient		
	265	Transient		
	266	Transient		
	267	Transient		
##		Transient		
ππ	200	Transfell	101.00	

```
## 269
             Transient 134.43
                                                            0
## 270
             Transient 144.43
                                                            1
## 271
             Transient 152.00
                                                            0
## 272
                                                            0
             Transient 125.54
## 273
             Transient 133.83
                                                            0
## 274
             Transient 159.75
                                                            1
## 275
             Transient 120.60
                                                            0
## 276
             Transient 112.20
                                                            0
## 277
             Transient 110.60
                                                            0
## 278
                                                            0
             Transient 105.90
## 279
             Transient 95.27
                                                            0
## 280
             Transient 108.83
                                                            0
## 281
             Transient 153.96
                                                            0
## 282
             Transient 120.60
                                                            0
## 283
             Transient 90.67
                                                            0
## 284
             Transient 126.67
                                                            0
## 285
                                                            0
             Transient 144.40
## 286
             Transient 99.50
                                                            1
## 287
             Transient 139.40
                                                            0
## 288
             Transient 73.80
                                                            0
## 289
             Transient 89.97
                                                            0
## 290
             Transient 123.00
                                                            0
## 291
             Transient 123.00
                                                            0
## 292
             Transient 123.00
                                                            0
## 293
                                                            0
             Transient 144.90
## 294
             Transient 153.00
                                                            0
## 295
             Transient 131.00
                                                            0
  296
             Transient 100.00
##
                                                            1
                                                            0
## 297
             Transient 65.50
## 298
             Transient 123.00
                                                            0
## 299
              Transient 123.00
                                                            0
##
       total_of_special_requests reservation_status reservation_status_date
## 1
                                 0
                                             Check-Out
                                                                     01-07-2015
## 2
                                 0
                                             Check-Out
                                                                     01-07-2015
## 3
                                 0
                                             Check-Out
                                                                     02-07-2015
## 4
                                 0
                                             Check-Out
                                                                     02-07-2015
## 5
                                 1
                                             Check-Out
                                                                     03-07-2015
## 6
                                 1
                                             Check-Out
                                                                     03-07-2015
## 7
                                 0
                                             Check-Out
                                                                     03-07-2015
## 8
                                                                     03-07-2015
                                 1
                                             Check-Out
## 9
                                 1
                                              Canceled
                                                                     06-05-2015
## 10
                                 0
                                              Canceled
                                                                     22-04-2015
## 11
                                 0
                                              Canceled
                                                                     23-06-2015
## 12
                                 0
                                             Check-Out
                                                                     05-07-2015
## 13
                                 3
                                             Check-Out
                                                                     05-07-2015
## 14
                                 1
                                             Check-Out
                                                                     05-07-2015
                                 0
## 15
                                             Check-Out
                                                                     05-07-2015
## 16
                                 3
                                             Check-Out
                                                                     05-07-2015
## 17
                                 0
                                             Check-Out
                                                                     05-07-2015
                                 0
## 18
                                             Check-Out
                                                                     02-07-2015
## 19
                                 0
                                             Check-Out
                                                                     02-07-2015
## 20
                                 1
                                             Check-Out
                                                                     05-07-2015
## 21
                                 1
                                             Check-Out
                                                                     06-07-2015
## 22
                                             Check-Out
                                                                     07-07-2015
```

##	23	1	Check-Out	07-07-2015
##	24	1	Check-Out	07-07-2015
##	25	1	Check-Out	01-07-2015
##	26	0	Check-Out	08-07-2015
##	27	0	Check-Out	08-07-2015
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##	32	0	Check-Out	16-07-2015
##	33	2	Canceled	29-05-2015
##	34	0	Check-Out	08-07-2015
##	35	1	Canceled	19-05-2015
##	36	1	Canceled	19-06-2015
##	37	0	Check-Out	06-07-2015
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	43	0	Check-Out	07-07-2015
	44	1	Check-Out	07-07-2015
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##	49	0	Check-Out	09-07-2015
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##	51	2	Check-Out	09-07-2015
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##		0	Check-Out	04-07-2015
##		2	Check-Out	04-07-2015
##		1	Check-Out	05-07-2015
##		0	Check-Out	05-07-2015
##		2	Canceled	29-06-2015
##		0	Check-Out	05-07-2015
##		0	Check-Out	05-07-2015
##		0	Check-Out	05-07-2015
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##		2	Canceled	18-06-2015
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##		0	Canceled	09-06-2015
##	16	0	Check-Out	06-07-2015

##	77	0	Canceled	26-05-2015
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	93	0	Check-Out	04-07-2015
	94	2	Check-Out	04-07-2015
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	97	1	Canceled	13-05-2015
	98	1	Check-Out	10-07-2015
	99	2	Check-Out	10-07-2015
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##	101	1	Check-Out	07-07-2015
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##	105	1	Check-Out	11-07-2015
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##	108	1	Canceled	22-04-2015
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##	110	2	Check-Out	11-07-2015
##	111	2	Check-Out	11-07-2015
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	113	0	Check-Out	11-07-2015
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	116	1	Check-Out	12-07-2015
	117	1	Check-Out	14-07-2015
	118	1	Check-Out	14-07-2015
	119	1	Check-Out	14-07-2015
	120	0	Check-Out	05-07-2015
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	125	0	Canceled	16-06-2015
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	127	0	Check-Out Check-Out	05-07-2015
	128	1		06-07-2015
	129 130	0 2	Check-Out	06-07-2015
##	100	۷	Check-Out	06-07-2015

	131	1	Check-Out	06-07-2015
	132	1	Check-Out	06-07-2015
	133	0	Canceled	01-07-2015
	134	0	Check-Out	06-07-2015
	135	0	Check-Out	06-07-2015
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	137	0	Check-Out	06-07-2015
	138	0	Check-Out	06-07-2015
	139	0	Canceled	01-07-2015
	140	1	Check-Out	06-07-2015
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	142	0	Check-Out	07-07-2015
	143	2	Check-Out	09-07-2015
	144	2	Check-Out	10-07-2015
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	158	0	Check-Out	16-07-2015
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	165	0	Check-Out	10-07-2015
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	167	2	Check-Out	10-07-2015
	168	2	Check-Out	06-07-2015
	169	0	Check-Out	06-07-2015
	170	0	Check-Out	07-07-2015
	171	2	Check-Out	08-07-2015
	172	1	Check-Out	08-07-2015
	173	1	Check-Out	09-07-2015
	174	0	Canceled	03-06-2015
	175	0	Check-Out	10-07-2015
	176	1	Check-Out	10-07-2015
	177	0	Check-Out	11-07-2015
	178	0	Check-Out	11-07-2015
	179	1	Check-Out	12-07-2015
	180	0	Check-Out	12-07-2015
	181	0	Check-Out	13-07-2015
	182	1	Canceled	26-06-2015
	183	0	Check-Out	13-07-2015
##	184	1	Check-Out	14-07-2015

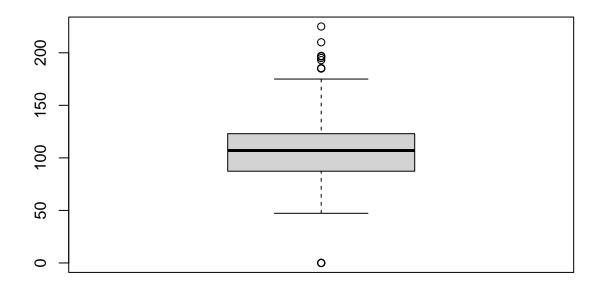
##	185	0	Canceled	14-05-2015
##	186	1	Check-Out	16-07-2015
##	187	1	Check-Out	16-07-2015
##	188	1	Check-Out	16-07-2015
##	189	2	Check-Out	16-07-2015
##	190	0	Check-Out	17-07-2015
##	191	0	Check-Out	20-07-2015
##	192	0	Check-Out	20-07-2015
##	193	0	Check-Out	13-07-2015
##	194	1	Canceled	07-05-2015
##	195	2	Check-Out	10-07-2015
##	196	1	Check-Out	10-07-2015
##	197	1	Check-Out	07-07-2015
##	198	1	Check-Out	07-07-2015
##	199	3	Check-Out	08-07-2015
##	200	0	Check-Out	08-07-2015
##	201	3	Check-Out	08-07-2015
##	202	1	Check-Out	11-07-2015
##	203	2	Check-Out	11-07-2015
##	204	1	Check-Out	11-07-2015
##	205	0	Check-Out	11-07-2015
##	206	0	Canceled	28-05-2015
##	207	2	Canceled	13-04-2015
##	208	0	Check-Out	14-07-2015
##	209	0	Canceled	25-03-2015
##	210	1	Check-Out	21-07-2015
	211	1	Check-Out	11-07-2015
##	212	2	Check-Out	12-07-2015
##	213	1	Check-Out	12-07-2015
##	214	1	Canceled	28-05-2015
##	215	1	Check-Out	12-07-2015
##	216	1	Check-Out	12-07-2015
##	217	1	Canceled	29-06-2015
##	218	0	Check-Out	09-07-2015
##	219	1	Canceled	08-07-2015
##	220	1	Canceled	08-07-2015
##	221	1	Check-Out	10-07-2015
##	222	1	Canceled	28-05-2015
	223	1	Check-Out	14-07-2015
	224	1	Canceled	15-04-2015
	225	1	Check-Out	15-07-2015
	226	0	Check-Out	15-07-2015
	227	0	Check-Out	15-07-2015
	228	1	Check-Out	16-07-2015
	229	3	Check-Out	17-07-2015
	230	2	Check-Out	17-07-2015
	231	3	Check-Out	10-07-2015
	232	1	Check-Out	11-07-2015
	233	0	Check-Out	11-07-2015
	234	0	Canceled	02-06-2015
	235	1	Canceled	16-06-2015
	236	0	Canceled	16-06-2015
	237	2	Check-Out	12-07-2015
##	238	0	Canceled	23-06-2015

##	239	0	Canceled	27-06-2015
	240	1	Check-Out	13-07-2015
	241	1	Check-Out	14-07-2015
	242	0	Check-Out	14-07-2015
	243	0	Check-Out	16-07-2015
	244	0	Check-Out	16-07-2015
	245	0	Check-Out	16-07-2015
	246	0	Check-Out	16-07-2015
	247	1	Check-Out	16-07-2015
	248	2	Canceled	13-05-2015
	249	0	Check-Out	11-07-2015
	250	0	Check-Out	12-07-2015
	251	1	Check-Out	12-07-2015
	252	0	Check-Out	12-07-2015
	253	1	Check-Out	12-07-2015
	254	1	Check-Out	12-07-2015
	255	1	Check-Out	12-07-2015
	256	2	Check-Out	12-07-2015
##	257	1	Check-Out	12-07-2015
##	258	1	Check-Out	13-07-2015
	259	1	Check-Out	13-07-2015
##	260	2	Check-Out	13-07-2015
##	261	1	Check-Out	14-07-2015
##	262	1	Check-Out	14-07-2015
##	263	0	Canceled	29-06-2015
##	264	2	Check-Out	15-07-2015
##	265	3	Check-Out	15-07-2015
##	266	0	Check-Out	15-07-2015
##	267	2	Check-Out	17-07-2015
##	268	1	Check-Out	17-07-2015
##	269	2 2	Check-Out	17-07-2015
##	270		Check-Out Check-Out	17-07-2015
##	271	0		17-07-2015
##	272	3 2	Check-Out	17-07-2015
## ##	273274	0	Check-Out Check-Out	17-07-2015 18-07-2015
	275	2	Check-Out	19-07-2015
	276	0	Check-Out	20-07-2015
	277	0	Check-Out	21-07-2015
	278	0	Check-Out	23-07-2015
	279	3	Check-Out	17-07-2015
	280	1	Check-Out	17-07-2015
	281	0	Canceled	29-05-2015
	282	0	Check-Out	16-07-2015
	283	1	Check-Out	17-07-2015
	284	0	Canceled	08-06-2015
	285	1	Check-Out	17-07-2015
	286	2	Check-Out	17-07-2015
	287	1	Check-Out	18-07-2015
	288	1	Canceled	22-04-2015
	289	1	Check-Out	15-07-2015
	290	0	Check-Out	15-07-2015
	291	0	Check-Out	15-07-2015
	292	0	Check-Out	12-07-2015
11 11		•		0,010

## 293	1	Check-Out	12-07-2015
## 294	0	Check-Out	12-07-2015
## 295	1	Check-Out	12-07-2015
## 296	0	Check-Out	13-07-2015
## 297	0	Check-Out	13-07-2015
## 298	1	Check-Out	13-07-2015
## 299	0	Check-Out	14-07-2015

#Produces a boxplot

boxplot(mydata\$adr)



#List all values of a variable with frequencies table(mydata\$market_segment)

```
## Complementary Corporate Direct Offline TA/TO Online TA ## 1 6 55 68 169
```

 $\begin{tabular}{ll} \#built-in R function that centers and/or scales the columns of a numeric matrix by default scale (mydata$adr) \end{tabular}$

```
## [,1]
## [1,] -3.014749140
## [2,] -3.014749140
```

- ## [3,] -0.914581220 ## [4,] -0.914581220 ## [5,] -0.270529724
- ## [6,] -0.270529724
- **##** [7,] -0.018509574
- ## [8,] -0.130518529
- ## [9,] -0.718565547
- ## [10,] -0.060512932
- ## [11,] 0.429526249
- ## [12,] 1.045575506
- ## [13,] -0.298531963
- ## [14,] 1.319157381
- ## [15,] -0.362657090
- ## [16,] -0.298531963
- ## [17,] -0.284530844
- ## [18,] -0.544951666
- ## [19,] -0.006748633
- ## [20,] 1.269593418
- ## [21,] -0.290411314
- ## [22,] -0.643799569
- ## [23,] -0.643799569
- ## [24,] -0.223765985
- ## [25,] -0.355936553
- ## [26,] -1.233806744
- ## [27,] -0.788571145
- ## [28,] -0.018509574
- ## [29,] -0.382538680
- **##** [30,] -0.570153681
- ## [31,] -1.278610326
- ## [32,] -1.226526162
- **##** [33,] 0.017893337
- ## [34,] -1.180602490
- **##** [35,] 0.031894457
- ## [36,] 0.031894457
- ## [37,] -0.270529724
- ## [38,] 0.031894457
- ## [39,] 0.031894457
- **##** [40,] 0.821557595
- ## [41,] 0.284194629
- ## [42,] -0.788571145
- ## [43,] 0.429526249
- "" [10,] 0.120020210
- **##** [44,] 0.821557595
- **##** [45,] 0.085098710
- **##** [46,] 1.269593418
- ## [47,] -1.364017155
- ## [48,] -0.693923577
- ## [49,] -0.708764764
- ## [50,] 0.327318077
- ## [51,] -1.122357833
- ## [52,] -1.446343737 ## [53.] 0.085098710
- ## [53,] 0.085098710
- ## [54,] -0.544951666
- ## [55,] 1.101579984 ## [56,] -0.018509574

[57,] 1.101579984 ## [58,] 0.286714831 [59,] 0.429526249 ## [60,] -0.270529724 ## [61,] 0.284194629 ## [62,] 0.765553117 [63,] 0.709548639 ## [64,] -1.364017155 ## [65,] 0.802796095 ## [66,] 1.269593418 [67,] 0.079498263 ## [68,] -0.298531963 ## [69,] 0.073897815 ## [70,] -0.718565547 ## [71,] -0.298531963 ## [72,] -0.948183906 ## [73,] -0.452544277 [74,] 0.191507218 ## [75,] 0.073897815 ## [76,] -0.469345621 ## [77,] 0.429526249 [78,] 0.401524011 ## [79,] 0.085098710 ## [80,] -0.610476905 ## [81,] -1.364017155 [82,] -1.455584476 ## [83,] -1.455584476 ## [84,] 0.457528488 ## [85,] 0.097699718 ## [86,] 0.757992512 ## [87,] -0.425942150 ## [88,] 0.029934300 ## [89,] -0.948183906 ## [90,] -0.270529724 ## [91,] 0.653544161 [92,] 0.429526249 ## ## [93,] -0.362657090 ## [94,] 0.429526249 ## [95,] 0.429526249 ## [96,] -0.948183906 [97,] 0.261512816 ## [98,] 2.488810901 [99,] -0.234126813 ## [100,] -0.467945509 ## [101,] -0.419781658 ## [102,] -1.011188944 ## [103,] -0.312813105 ## [104,] -0.612157039 ## [105,] -0.318133530 ## [106,] 1.549615807 ## [107,] 1.801635958 ## [108,] 0.085098710 ## [109,] -1.364017155

[110,] -0.948183906

[111,] -0.298531963 ## [112,] 0.877562073 ## [113,] -1.131878594 ## [114,] 0.247511696 ## [115,] -0.318133530 ## [116,] 0.429526249 ## [117,] -1.011188944 ## [118,] -1.011188944 ## [119,] 1.157584462 ## [120,] 1.549615807 ## [121,] -0.788571145 ## [122,] -0.074514051 ## [123,] 0.429526249 ## [124,] -0.948183906 ## [125,] 0.149503860 ## [126,] -3.014749140 ## [127,] 0.429526249 ## [128,] -0.948183906 ## [129,] 0.191507218 ## [130,] -0.948183906 ## [131,] -0.948183906 ## [132,] -0.544951666 ## [133,] -0.298531963 ## [134,] -0.631758606 ## [135,] -0.522549875 ## [136,] -0.771769801 ## [137,] -0.270529724 ## [138,] -0.186523007 ## [139,] -0.298531963 ## [140,] 1.661624763 ## [141,] 3.285754622 ## [142,] -0.298531963 ## [143,] -0.570153681 ## [144,] -0.618037509 ## [145,] 0.429526249 ## [146,] -0.018509574 ## [147,] 1.549615807 ## [148,] -0.718565547 ## [149,] 1.549615807 ## [150,] -0.060512932 ## [151,] 1.583218494 ## [152,] -0.290411314 ## [153,] 0.177506099 ## [154,] -0.259328828 ## [155,] 1.885642674 ## [156,] -1.233806744 ## [157,] 0.470129496 ## [158,] 0.085098710 ## [159,] -0.940623302 ## [160,] 0.740351102 ## [161,] 1.661624763 ## [162,] 0.429526249 ## [163,] 0.284194629

[164,] 1.782594435

```
## [165,] 2.865721037
## [166,] -0.298531963
## [167,] 0.284194629
## [168,] -3.014749140
## [169,] -3.014749140
## [170,] 0.653544161
## [171,] -0.270529724
## [172,] -0.570153681
## [173,] -0.298531963
## [174,] 1.661624763
## [175,] -0.452544277
## [176,] -0.948183906
## [177,] 0.429526249
## [178,] 1.885642674
## [179,] 0.283914607
## [180,] 0.279154226
## [181,] 2.165665064
## [182,] -1.026590176
## [183,] -1.691643350
## [184,] 1.213588940
## [185,] -0.570153681
## [186,] 0.362320876
## [187,] -1.226526162
## [188,] 1.384402597
## [189,] -0.456184568
## [190,] -0.970585698
## [191,] 0.085098710
## [192,] -0.393739575
## [193,] -0.676562189
## [194,] -0.948183906
## [195,] -0.718565547
## [196,] 2.179666183
## [197,] -3.014749140
## [198,] -3.014749140
## [199,] 0.059896695
## [200,] 2.445687453
## [201,] 0.059896695
## [202,] 2.389682975
## [203,] -0.298531963
## [204,] 1.185586701
## [205,] -0.270529724
## [206,] -0.452544277
## [207,] 0.877562073
## [208,] -0.788571145
## [209,] -1.691643350
## [210,] 0.531734422
## [211,] -0.018509574
## [212,] 0.653544161
          0.653544161
## [213,]
## [214,]
          0.429526249
## [215,]
          1.073577745
## [216,] 0.085098710
## [217,] -0.948183906
```

[218,] -1.306612565

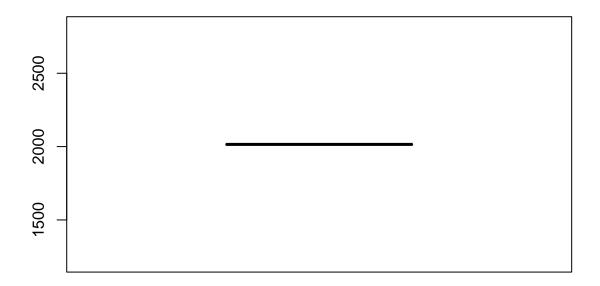
[219,] -0.082354678 ## [220,] -0.082354678 ## [221,] -0.082354678 ## [222,] -1.154840430 ## [223,] -0.831694592 ## [224,] 0.121501621 ## [225,] -0.018509574 ## [226,] -0.503508352 ## [227,] 1.325597896 ## [228,] 0.121501621 ## [229,] 0.628342146 ## [230,] -0.211725022 ## [231,] 0.429526249 ## [232,] 0.457528488 ## [233,] 1.073577745 ## [234,] -0.298531963 ## [235,] 0.429526249 ## [236,] 1.269593418 ## [237,] -0.718565547 ## [238,] -0.072273872 ## [239,] -1.182842669 ## [240,] -0.270529724 ## [241,] -0.901700190 ## [242,] -1.180602490 ## [243,] -0.467945509 ## [244,] -0.393739575 ## [245,] 0.324517853 ## [246,] 0.757992512 ## [247,] 0.121501621 ## [248,] 0.293155346 ## [249,] 0.653544161 ## [250,] -0.544951666 ## [251,] -0.948183906 ## [252,] -0.270529724 ## [253,] 0.079498263 ## [254,] 0.653544161 ## [255,] 2.165665064 ## [256,] -0.570153681 ## [257,] -0.948183906 ## [258,] 0.345519533 ## [259,] -0.270529724 ## [260,] -0.318133530 ## [261,] 2.501691931 ## [262,] 2.501691931 ## [263,] 0.429526249 ## [264,] -0.718565547 ## [265,] 1.605620285 ## [266,] 1.168785358 ## [267,] -0.022989932 ## [268,] 1.493611329 ## [269,] 0.749591841 ## [270,] 1.029614230 ## [271,] 1.241591179

[272,] 0.500651936

```
## [273,] 0.732790497
## [274,] 1.458608531
## [275,] 0.362320876
## [276,] 0.127102069
## [277,] 0.082298487
## [278,] -0.049312036
## [279,] -0.346975836
## [280,] 0.032734524
## [281,] 1.296475567
## [282,] 0.362320876
## [283,] -0.475786136
## [284,] 0.532294466
## [285,] 1.028774163
## [286,] -0.228526366
## [287,] 0.888762968
## [288,] -0.948183906
## [289,] -0.495387703
## [290,] 0.429526249
## [291,] 0.429526249
## [292,] 0.429526249
## [293,] 1.042775282
## [294,] 1.269593418
## [295,] 0.653544161
## [296,] -0.214525246
## [297,] -1.180602490
## [298,] 0.429526249
## [299,] 0.429526249
## attr(,"scaled:center")
## [1] 107.661
## attr(,"scaled:scale")
## [1] 35.71143
```

$\#Produces\ a\ boxplot$

boxplot(mydata\$arrival_date_year)



```
#shows a list of objects that are available
ls()

## [1] "mydata"

#shows a list of objects that are available with 'a
ls(pattern= 'a')

## [1] "mydata"

#shows the variable names and types
str(mydata$company)

## chr [1:299] "NULL" "N
```

```
#Gives no of rows
nrow(mydata)

## [1] 299

#Gives no of columns
ncol(mydata)

## [1] 32

cat("\nColumn:",ncol(mydata$Name))

##
## Column:
```

cumsum(mydata\$adr)

```
0.00
                      0.00
                                      150.00
                                                248.00
                                                         346.00
##
     [1]
                              75.00
                                                                  453.00
                                                                           556.00
##
     [9]
           638.00
                    743.50
                                     1011.50
                                              1108.50
                                                        1263.27
                                                                 1357.98
                             866.50
                                                                          1454.98
##
    [17]
         1552.48
                   1640.68
                           1748.10
                                     1901.10
                                              1998.39
                                                        2083.06
                                                                 2167.73
                                                                          2267.40
##
    [25]
          2362.35
                   2425.95
                            2505.45
                                     2612.45
                                              2706.45
                                                        2793.75
                                                                 2855.75
                                                                          2919.61
##
    [33]
         3027.91
                   3093.41
                            3202.21
                                     3311.01
                                              3409.01
                                                        3517.81
                                                                 3626.61
                                                                          3763.61
##
    [41]
          3881.42
                   3960.92
                            4083.92
                                     4220.92
                                              4331.62
                                                        4484.62
                                                                 4543.57
                                                                          4626.45
##
    [49]
          4708.80
                   4828.15
                            4895.73
                                     4951.74
                                              5062.44
                                                        5150.64
                                                                 5297.64
                                                                          5404.64
##
    [57]
          5551.64
                   5669.54
                            5792.54
                                     5890.54
                                              6008.35
                                                        6143.35
                                                                 6276.35
                                                                          6335.30
##
    [65]
                            6735.13
                                              6942.43
                                                        7024.43
          6471.63
                   6624.63
                                     6832.13
                                                                 7121.43
                                                                          7195.23
##
    [73]
          7286.73
                   7401.23
                            7511.53
                                     7602.43
                                              7725.43
                                                        7847.43
                                                                 7958.13
##
    [81]
          8102.94
                   8158.62
                            8214.30
                                     8338.30
                                              8449.45
                                                        8584.18
                                                                 8676.63
                                                                          8785.36
    [89]
          8859.16
                   8957.16
                            9088.16
                                    9211.16
                                              9305.87
                                                        9428.87
                                                                 9551.87
##
    [97]
         9742.67
                   9939.21 10038.51 10129.46 10222.13 10293.68 10390.17 10475.97
  [105] 10572.27 10735.27 10907.27 11017.97 11076.92 11150.72 11247.72 11386.72
## [113] 11453.96 11570.46 11666.76 11789.76 11861.31 11932.86 12081.86 12244.86
## [121] 12324.36 12429.36 12552.36 12626.16 12739.16 12739.16 12862.16 12935.96
## [129] 13050.46 13124.26 13198.06 13286.26 13383.26 13468.36 13557.36 13637.46
## [137] 13735.46 13836.46 13933.46 14100.46 14325.46 14422.46 14509.76 14595.35
## [145] 14718.35 14825.35 14988.35 15070.35 15233.35 15338.85 15503.05 15600.34
## [153] 15714.34 15812.74 15987.74 16051.34 16175.79 16286.49 16360.56 16494.66
## [161] 16661.66 16784.66 16902.47 17073.79 17283.79 17380.79 17498.60 17498.60
## [169] 17498.60 17629.60 17727.60 17814.90 17911.90 18078.90 18170.40 18244.20
## [177] 18367.20 18542.20 18660.00 18777.63 18962.63 19033.63 19080.88 19231.88
## [185] 19319.18 19439.78 19503.64 19660.74 19752.11 19825.11 19935.81 20029.41
## [193] 20112.91 20186.71 20268.71 20454.21 20454.21 20454.21 20564.01 20759.01
## [201] 20868.81 21061.81 21158.81 21308.81 21406.81 21498.31 21637.31 21716.81
## [209] 21764.06 21890.71 21997.71 22128.71 22259.71 22382.71 22528.71 22639.41
## [217] 22713.21 22774.21 22878.93 22983.65 23088.37 23154.79 23232.75 23344.75
## [225] 23451.75 23541.43 23696.43 23808.43 23938.53 24038.63 24161.63 24285.63
## [233] 24431.63 24528.63 24651.63 24804.63 24886.63 24991.71 25057.13 25155.13
## [241] 25230.59 25296.09 25387.04 25480.64 25599.89 25734.62 25846.62 25964.75
## [249] 26095.75 26183.95 26257.75 26355.75 26466.25 26597.25 26782.25 26869.55
## [257] 26943.35 27063.35 27161.35 27257.65 27454.65 27651.65 27774.65 27856.65
## [265] 28021.65 28171.05 28277.89 28438.89 28573.32 28717.75 28869.75 28995.29
```

[297] 0 0 0

cummax(mydata\$arrival_date_year)

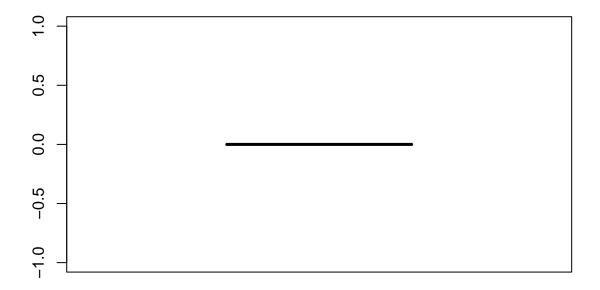
cummin(mydata\$arrival_date_year)

rev(mydata\$agent)

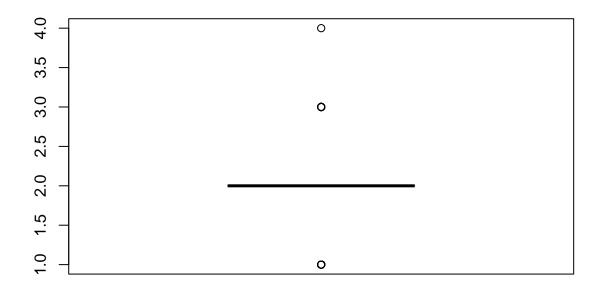
```
"175"
                                 "NULL" "240"
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                                                                "NULL" "240"
                                                                                "240"
##
     [1] "240"
                 "242"
##
    [11] "241"
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                                                                        "149"
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##
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   [181] "250"
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## [231] "242"
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                                                 "115"
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##
   [261] "241"
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## [281] "NULL" "240"
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                                                                                "15"
   [291] "240"
                 "303"
                         "NULL" "240"
                                        "240"
                                                 "304"
                                                        "NULL" "NULL" "NULL"
```

#Produces a boxplot

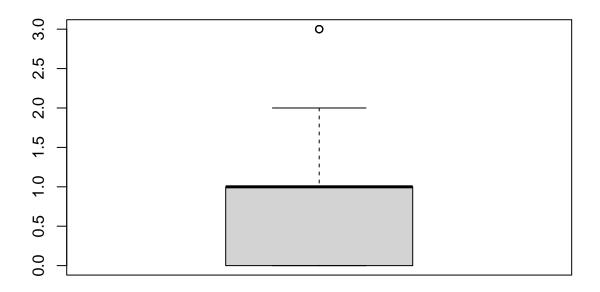
boxplot(mydata\$previous_cancellations)



#Produces a boxplot
boxplot(mydata\$adults)



#Produces a boxplot
boxplot(mydata\$total_of_special_requests)



```
length(mydata)

## [1] 32
```

#Identify "center" of distribution
median(mydata\$adr)

[1] 107

sum(mydata\$adr)

[1] 32190.64

#Find sd of values in vector
sd(mydata\$adr)

[1] 35.71143

#Find variance of values in vector
var(mydata\$adr)

[1] 1275.306

dim(mydata) ## [1] 299 32 seq(mydata) ## [1] 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 ## [26] 26 27 28 29 30 31 32 rep(mydata) ## \$hotel [1] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [6] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [11] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [16] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [21] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [26] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [31] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [36] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [41] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [46] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [51] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [56] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [61] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [66] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [71] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [76] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## ## [81] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [86] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [91] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [96] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [101] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [106] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [111] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [116] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" [121] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [126] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [131] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [136] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [141] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [146] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [151] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [156] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [161] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [166] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [171] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [176] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" ## [181] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"

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## [296] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
##
## $is_canceled
    ##
   ##
   ##
  [297] 0 0 0
##
## $lead_time
##
    [1] 342 737
               7
                  13
                     14
                        14
                            0
                                9
                                  85
                                      75
                                         23
                                            35
                                                68
                                                   18
                                                      37
                                                          68
                                                             37
              37
                  72
                     72
                        72 127
                               78
                                  48
                                      60
                                         77
                                            99 118
                                                   95
                                                      96
                                                             45
##
   [19]
         0
            7
                                                          69
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##
   [37]
        15
           36
               43
                  70
                     45
                        45
                            16
                               70 107
                                      47
                                         96 113
                                                90
                                                   50 113
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##
   [55]
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         1
                                  17
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            1
##
   [73]
         2
                   3
                     48
                         2
                            72
                               81
                                  99 368 364
                                            81
                                                99 324
                                                      69
                                                          79
                                                             12
           15
              51
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               9 109 109
##
   [91]
                        72
                            63
                               63 101 102
                                          4
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                                                92
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                                                             73 102
         1
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  [109] 115 102
              86
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                        29 101
                              109
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                                                            115 111
  [163]
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              81
                  84
                     51 111
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                                      98
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                                                66 104
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                                                             98 104
           94
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  [181]
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           86 258 111
                     94 112 100
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                                         90 111
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                                      54 292 112
## [199]
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                        88
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                                                68
                                                       1 113
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##
  [217] 105
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                      1 102 113 280
                                  96 394
                                         33
                                            82 100 100
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  [235]
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  [253]
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              13 108
                     91
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##
  [271]
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           34
              87
                  11 115
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                           41
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                                  34
                                      34 100
                                            44 304
                                                   36 117
                                                          70 110 109
##
  [289]
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           33
              33
                   0
                         0
                               84
                                  71
                                      16
                                         54
                      0
                             0
##
## $arrival_date_year
```

```
##
 ##
## $arrival_date_month
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## [111] "July" "July"
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## [131] "July" "July"
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## [261] "July" "July"
## [271] "July" "July"
## [281] "July" "July"
## [291] "July" "July" "July" "July" "July" "July" "July" "July" "July"
##
## $arrival_date_week_number
```

```
##
## $arrival_date_day_of_month
##
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                      1
 [26]
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               2
                 2
                  2
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                           2
                            2
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##
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##
 [51]
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 [76]
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## [101]
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## [126]
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## [151]
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## [176]
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## [201]
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## [226]
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                               9
                                9 10 10
     8
## $stays_in_weekend_nights
  [297] 1 1 2
##
##
## $stays_in_week_nights
          2
           2
             2
              3
               3
                  4
                   4
##
    0 0 1
       1 2
                 4
                    4
                      4
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                        4
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                            4
                             4
                               4
         5 10 11
             8
              4
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 [26]
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## [126]
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      5
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             7 10 10
                 4
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     7
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##
## $adults
##
```

```
## [297] 2 2 2
##
## $children
##
    ##
  [297] 0 0 0
##
## $babies
##
       \lceil 1 \rceil \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \ \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \ \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \ \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \ \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \  \, 0 \
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  ##
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##
```

```
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                                                 "IRL"
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                                                                                 "GBR"
##
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                                                                 "IRL"
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                                                                                 "PRT"
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                                                                                 "ROU"
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                                                 "PRT"
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##
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##
##
    Г917
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##
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##
##
##
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      [9] "Online TA"
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                                              "Online TA"
##
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                                                                "Online TA"
    [17] "Offline TA/TO"
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##
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                            "Offline TA/TO"
##
    [33] "Direct"
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    [37] "Online TA"
                            "Online TA"
                                                                "Direct"
##
                                              "Online TA"
    [41] "Online TA"
                            "Offline TA/TO"
                                              "Direct"
                                                                "Direct"
##
    [45] "Online TA"
                            "Online TA"
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##
                                              "Offline TA/TO"
    [49] "Offline TA/TO"
                            "Online TA"
                                              "Offline TA/TO"
                                                                "Offline TA/TO"
##
                                                                "Direct"
##
    [53] "Offline TA/TO"
                            "Online TA"
                                              "Online TA"
    [57] "Direct"
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##
##
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    [65] "Online TA"
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##
    [69] "Offline TA/TO"
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    [73] "Offline TA/TO"
                                                                "Online TA"
##
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                                              "Online TA"
##
    [77] "Online TA"
                                              "Offline TA/TO"
                                                                "Offline TA/TO"
                            "Online TA"
    [81] "Offline TA/TO" "Offline TA/TO"
                                              "Offline TA/TO"
                                                                "Direct"
##
##
    [85] "Offline TA/TO"
                            "Offline TA/TO"
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                                                                "Offline TA/TO"
##
    [89] "Online TA"
                            "Online TA"
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                                                                "Online TA"
```

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[93] "Online TA"
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                                                             "Online TA"
##
    [97] "Online TA"
                           "Offline TA/TO" "Online TA"
                                                             "Direct"
## [101] "Direct"
                           "Offline TA/TO"
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                                                             "Online TA"
## [105] "Online TA"
                           "Online TA"
                                            "Direct"
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## [109] "Offline TA/TO"
                          "Online TA"
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## [113] "Online TA"
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## [117] "Offline TA/TO"
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## [121] "Offline TA/TO"
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## [129] "Online TA"
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## [137] "Online TA"
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## [141] "Online TA"
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## [145] "Online TA"
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## [149] "Online TA"
                           "Offline TA/TO"
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## [153] "Online TA"
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  [157] "Direct"
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   [161] "Online TA"
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## [165] "Direct"
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## [169] "Direct"
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## [173] "Online TA"
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## [177] "Online TA"
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## [181] "Online TA"
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                                            "Offline TA/TO"
  [189] "Offline TA/TO"
                                                             "Offline TA/TO"
  [193] "Offline TA/TO"
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## [197] "Direct"
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## [201] "Online TA"
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## [205] "Direct"
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## [209] "Offline TA/TO"
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## [213] "Online TA"
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## [217] "Online TA"
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                                                             "Corporate"
  [221] "Corporate"
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## [225] "Online TA"
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## [229] "Online TA"
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## [249] "Direct"
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## [257] "Online TA"
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## [261] "Direct"
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## [265] "Direct"
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## [269] "Online TA"
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## [273] "Offline TA/TO"
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## [277] "Online TA"
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## [281] "Offline TA/TO"
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## [285] "Offline TA/TO"
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## [289] "Online TA"
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## [293] "Online TA"
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                                                             "Corporate"
## [297] "Offline TA/TO" "Online TA"
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##
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\$distribution_channel

```
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                      "Direct"
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                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
##
     [7] "Direct"
##
    [13] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
                                  "TA/TO"
    [19] "Corporate"
                      "Direct"
                                               "Direct"
                                                           "Direct"
                                                                        "Direct"
##
##
    [25] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
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                                                           "TA/TO"
                                                                       "TA/TO"
                      "TA/TO"
                                  "Direct"
                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
##
    [31] "Direct"
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                                                           "TA/TO"
                                                                        "TA/TO"
##
                                               "Direct"
    [43] "Direct"
                      "Direct"
                                  "TA/TO"
                                               "TA/TO"
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                                                                        "TA/TO"
##
##
    [49]
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                      "TA/TO"
                                  "TA/TO"
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                                                           "TA/TO"
                                                                       "TA/TO"
                     "Direct"
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##
    [55]
        "TA/TO"
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                                                           "Direct"
##
    [61] "TA/TO"
                      "TA/TO"
                                  "Direct"
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                                                           "TA/TO"
                                                                       "TA/TO"
                      "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
    [67] "TA/TO"
                                  "TA/TO"
##
                      "TA/TO"
                                  "TA/TO"
##
    [73] "TA/TO"
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                                                           "TA/TO"
                                                                       "TA/TO"
                                                                       "Direct"
    [79] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
##
    [85]
         "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
##
##
    [91]
         "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
    [97]
         "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                                                        "TA/TO"
##
                                               "Direct"
                                                           "Direct"
##
   [103] "TA/TO"
                      "TA/TO"
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                                                           "Direct"
                                                                       "TA/TO"
##
   [109] "TA/TO"
                      "TA/TO"
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                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
##
   [115] "TA/TO"
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                                                           "Direct"
                                                                       "TA/TO"
                     "TA/TO"
                                                           "TA/TO"
##
  [121] "TA/TO"
                                  "Direct"
                                               "TA/TO"
                                                                       "Direct"
  [127] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
##
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
## [133] "TA/TO"
   [139] "TA/TO"
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                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
##
                      "Direct"
                                                                       "TA/TO"
   [145] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
##
   [151] "Direct"
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                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
   [157] "Direct"
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                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
##
                      "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
##
   [163] "TA/TO"
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                     "Direct"
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                                               "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
   [169] "Direct"
##
                                  "TA/TO"
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                                                                       "TA/TO"
  [175] "TA/TO"
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                                               "Direct"
##
                                                                        "TA/TO"
##
   [181]
         "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
##
   [187]
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                      "Direct"
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                                               "Direct"
                                                           "TA/TO"
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##
   [193] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "Direct"
                                                           "Direct"
                                                                        "TA/TO"
   [199] "TA/TO"
                      "Direct"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
##
                                               "TA/TO"
                                                                        "TA/TO"
   [205]
         "Direct"
                      "TA/TO"
                                  "TA/TO"
                                                           "TA/TO"
##
  [211]
        "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
##
  [217] "TA/TO"
                      "TA/TO"
                                  "Corporate"
                                              "Corporate"
                                                           "Corporate"
                                                                       "Direct"
## [223]
         "Direct"
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                                  "TA/TO"
                                               "TA/TO"
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                                                                        "Direct"
  [229]
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                      "TA/TO"
                                  "TA/TO"
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                                                                        "Direct"
##
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                                                           "TA/TO"
  [235] "TA/TO"
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##
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   [241] "TA/TO"
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##
   [247] "TA/TO"
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                                                           "TA/TO"
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##
                      "TA/TO"
                                  "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
##
   [253] "TA/TO"
                                               "TA/TO"
   [259] "Direct"
                      "TA/TO"
                                  "Direct"
                                               "Direct"
                                                           "TA/TO"
                                                                       "TA/TO"
##
                      "TA/TO"
                                  "TA/TO"
                                                           "TA/TO"
                                                                       "TA/TO"
##
   [265] "Direct"
                                               "Direct"
         "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
  [271]
                                               "Direct"
##
                      "TA/TO"
                                  "TA/TO"
##
   [277]
         "TA/TO"
                                               "TA/TO"
                                                           "TA/TO"
                                                                        "TA/TO"
   [283] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                               "TA/TO"
                                                                       "TA/TO"
##
                                                           "Direct"
                                               "Direct"
                                                                        "Direct"
##
   [289] "TA/TO"
                      "TA/TO"
                                  "TA/TO"
                                                           "TA/TO"
   [295] "TA/TO"
                                               "TA/TO"
##
                      "Corporate" "TA/TO"
                                                           "TA/TO"
##
## $is repeated guest
##
     ##
```

```
[297] 0 0 0
##
## $previous_cancellations
  ##
 [297] 0 0 0
##
## $previous_bookings_not_canceled
##
  [297] 0 0 0
##
##
##
 $reserved_room_type
  [1] "C" "C" "A" "A" "A" "A" "C" "C" "A" "D" "E" "D" "E" "D" "E" "D" "E" "A"
  [19] "A" "G" "F" "A" "A" "D" "D" "D" "E" "A" "D" "A" "D" "E" "A" "D" "D"
 [37] "A" "D" "D" "E" "G" "D" "F" "E" "A" "G" "A" "E" "A" "E" "D" "A" "D" "A"
##
 [55] "H" "C" "H" "A" "G" "A" "G" "E" "F" "A" "A" "G" "A" "D" "A" "A" "D" "A"
 [73] "A" "A" "A" "A" "E" "A" "A" "D" "A" "A" "A" "A" "E" "E" "F" "A" "A" "A"
##
 [91] "A" "E" "C" "A" "A" "A" "F" "E" "D" "E" "A" "D" "F" "A" "E" "H" "D" "A"
 [109] "A" "A" "D" "E" "A" "E" "E" "A" "D" "D" "D" "H" "D" "A" "E" "A" "D" "H"
 [145] "E" "E" "H" "A" "H" "D" "C" "F" "A" "E" "H" "D" "D" "D" "A" "D" "G" "A"
 [163] "G" "D" "G" "D" "G" "A" "E" "A" "A" "D" "D" "E" "A" "A" "E" "F" "A" "E"
 [181] "G" "A" "A" "A" "D" "A" "D" "F" "D" "A" "D" "A" "D" "A" "D" "A" "A" "F" "A" "A"
 [199] "A" "C" "A" "H" "D" "D" "A" "A" "E" "D" "A" "D" "E" "A" "A" "A" "A" "D" "A"
 [217] "A" "A" "A" "A" "A" "A" "E" "D" "E" "D" "E" "A" "E" "E" "C" "A" "H" "D"
 [253] "A" "A" "G" "D" "A" "C" "A" "E" "F" "F" "E" "A" "C" "G" "A" "D" "D" "E"
 [271] "E" "F" "C" "C" "A" "D" "F" "C" "D" "F" "A" "A" "A" "E" "D" "A" "E" "A"
 [289] "E" "E" "E" "A" "A" "G" "A" "A" "A" "C" "E"
##
##
 $assigned_room_type
  [1] "C" "C" "C" "A" "A" "A" "C" "C" "A" "D" "E" "D" "E" "G" "E" "E" "E"
##
 [19] "G" "G" "F" "A" "A" "D" "I" "D" "D" "E" "A" "D" "A" "D" "E" "C" "D" "D"
##
 [37] "C" "D" "D" "E" "G" "D" "F" "E" "A" "G" "A" "E" "B" "F" "D" "A" "D" "C"
##
 [55] "H" "C" "H" "D" "G" "C" "G" "E" "F" "C" "A" "H" "C" "D" "A" "A" "D" "A"
##
```

```
[73] "A" "A" "A" "A" "E" "A" "A" "B" "A" "A" "A" "E" "E" "F" "A" "C" "C"
   [91] "C" "E" "C" "A" "A" "A" "F" "E" "D" "E" "C" "D" "F" "C" "E" "H" "D" "A"
  [109] "A" "A" "D" "F" "A" "E" "E" "A" "D" "D" "D" "G" "C" "A" "G" "A" "D" "H"
  [127] "E" "C" "A" "A" "C" "C" "D" "C" "A" "D" "E" "A" "D" "G" "G" "E" "D" "D"
  [145] "E" "E" "H" "A" "H" "D" "C" "F" "A" "E" "H" "D" "C" "D" "A" "D" "G" "C"
  [163] "G" "D" "G" "E" "G" "H" "H" "E" "E" "F" "D" "E" "E" "C" "E" "F" "C" "E"
  [181] "G" "A" "A" "C" "D" "A" "D" "F" "D" "A" "D" "A" "D" "A" "D" "A" "E"
## [199] "A" "C" "A" "H" "D" "E" "A" "A" "E" "D" "A" "D" "E" "A" "A" "A" "D" "A"
  [217] "A" "A" "A" "A" "F" "A" "E" "D" "F" "D" "E" "A" "E" "E" "C" "C" "G" "D"
  [253] "A" "A" "G" "D" "A" "C" "C" "E" "F" "F" "E" "A" "C" "G" "A" "D" "D" "E"
  [271] "E" "F" "C" "C" "A" "D" "F" "C" "D" "F" "A" "A" "A" "E" "D" "A" "E" "A"
  [289] "E" "E" "E" "A" "A" "G" "A" "A" "A" "C" "F"
##
## $booking_changes
##
    [297] 0 0 0
##
  $deposit_type
    [1] "No Deposit" "No Deposit" "No Deposit" "No Deposit"
    [6] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
   [11] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [16] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [21] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
##
   [26] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [31] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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##
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   [51] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
   [56] "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [61] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
   [66] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
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   [76] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [81] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [86] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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   [96] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
  [101] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
  [106] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
  [111] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
  [116] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [121] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [126] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [131] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [136] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
```

```
## [141] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [146] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [151] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [156] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [161] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [166] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [171] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [176] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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## [186] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [191] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [196] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [201] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [206] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [211] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [216] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [221] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [226] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [231] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [236] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [241] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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## [256] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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  [266] "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [271] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [276] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [281] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [286] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [291] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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##
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##
                                             "240"
##
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                                                                   "NULL" "250"
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##
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                                                                   "NULL" "242"
##
    [61] "241"
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##
    [91] "240"
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  [111] "240"
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##
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##
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  [141] "240"
                                             "5"
## [151] "250"
                "241"
                       "240"
                               "175"
                                      "240"
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                                                                   "40"
                                                                          "243"
## [161] "240"
                "240"
                       "241"
                               "96"
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## [171] "240"
                "240"
                       "240"
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                                      "175"
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                       "2"
                                                            "250"
## [181] "240"
                "175"
                               "240"
                                      "240"
                                             "242"
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                                                                   "156"
                                                                          "NULL"
## [191] "8"
                "40"
                       "127"
                               "240"
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                                                    "NULL" "240"
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                                                                          "NULL"
```

```
## [201] "240" "240"
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                                                                                          "2"
                                                                                                    "156"
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                                                   "240"
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                                                                                "146"
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    [241] "241"
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                                         "40"
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                                                                                "240"
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                                                  "240"
   [251] "240"
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                                         "240"
                                                             "240"
                                                                      "240"
                                                                                "105"
                                                                                          "250"
                                                                                                    "240"
   [261] "NULL" "NULL" "240"
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                                                   "250"
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##
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##
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##
##
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##
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##
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## [177]
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##
## $adr
                       75.00 75.00 98.00 98.00 107.00 103.00 82.00 105.50
##
     [1]
          0.00
                 0.00
    [11] 123.00 145.00
                       97.00 154.77
                                     94.71
                                            97.00 97.50 88.20 107.42 153.00
##
    [21] 97.29
                84.67
                       84.67
                              99.67 94.95
                                            63.60
                                                   79.50 107.00 94.00 87.30
    [31] 62.00
                63.86 108.30 65.50 108.80 108.80 98.00 108.80 108.80 137.00
                79.50 123.00 137.00 110.70 153.00 58.95 82.88 82.35 119.35
    [41] 117.81
   [51] 67.58 56.01 110.70 88.20 147.00 107.00 147.00 117.90 123.00 98.00
##
    [61] 117.81 135.00 133.00 58.95 136.33 153.00 110.50 97.00 110.30
##
    [71]
         97.00 73.80 91.50 114.50 110.30 90.90 123.00 122.00 110.70
##
   [81] 58.95 55.68
                       55.68 124.00 111.15 134.73 92.45 108.73 73.80
                       94.71 123.00 123.00 73.80 117.00 196.54 99.30
   [91] 131.00 123.00
## [101]
         92.67
                71.55
                       96.49 85.80 96.30 163.00 172.00 110.70 58.95
                       67.24 116.50 96.30 123.00 71.55 71.55 149.00 163.00
## [111] 97.00 139.00
## [121] 79.50 105.00 123.00 73.80 113.00
                                             0.00 123.00 73.80 114.50 73.80
## [131] 73.80 88.20 97.00 85.10 89.00 80.10 98.00 101.00 97.00 167.00
## [141] 225.00
                97.00 87.30
                              85.59 123.00 107.00 163.00 82.00 163.00 105.50
## [151] 164.20 97.29 114.00 98.40 175.00 63.60 124.45 110.70 74.07 134.10
  [161] 167.00 123.00 117.81 171.32 210.00 97.00 117.81
                                                           0.00
                                                                  0.00 131.00
## [171] 98.00 87.30 97.00 167.00 91.50 73.80 123.00 175.00 117.80 117.63
## [181] 185.00 71.00 47.25 151.00 87.30 120.60
                                                   63.86 157.10 91.37 73.00
## [191] 110.70 93.60 83.50 73.80 82.00 185.50
                                                    0.00
                                                           0.00 109.80 195.00
## [201] 109.80 193.00 97.00 150.00 98.00 91.50 139.00 79.50 47.25 126.65
## [211] 107.00 131.00 131.00 123.00 146.00 110.70 73.80 61.00 104.72 104.72
## [221] 104.72 66.42 77.96 112.00 107.00 89.68 155.00 112.00 130.10 100.10
## [231] 123.00 124.00 146.00 97.00 123.00 153.00 82.00 105.08 65.42 98.00
## [241]
         75.46 65.50 90.95 93.60 119.25 134.73 112.00 118.13 131.00 88.20
## [251]
         73.80 98.00 110.50 131.00 185.00 87.30 73.80 120.00 98.00 96.30
## [261] 197.00 197.00 123.00 82.00 165.00 149.40 106.84 161.00 134.43 144.43
## [271] 152.00 125.54 133.83 159.75 120.60 112.20 110.60 105.90 95.27 108.83
## [281] 153.96 120.60   90.67 126.67 144.40   99.50 139.40   73.80   89.97 123.00
## [291] 123.00 123.00 144.90 153.00 131.00 100.00 65.50 123.00 123.00
```

```
##
## $required_car_parking_spaces
   [38] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0
##
  [149] 0 0 1 0 0 0 1 1 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 1 1 0 0 0 0 0 0
[223] 1 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0
  [297] 0 0 0
##
## $total_of_special_requests
   ##
##
  ##
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## [297] 0 1 0
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## $reservation status
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##
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##
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##
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##
   [67] "Check-Out" "Check-Out" "Canceled" "Canceled" "Canceled"
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   [73] "Check-Out" "Check-Out" "Canceled"
##
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##
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##
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##
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##
    [71] "03-07-2015" "12-06-2015" "05-07-2015" "05-07-2015" "09-06-2015"
##
##
    [76] "06-07-2015" "26-05-2015" "07-07-2015" "07-07-2015" "11-07-2015"
    [81] "12-07-2015" "19-05-2015" "13-07-2015" "09-06-2015" "13-07-2015"
##
    [86] "17-07-2015" "17-07-2015" "15-04-2015" "04-07-2015" "04-07-2015"
##
    [91] "04-07-2015" "04-07-2015" "04-07-2015" "04-07-2015" "26-05-2015"
    [96] "29-06-2015" "13-05-2015" "10-07-2015" "10-07-2015" "10-07-2015"
##
   [101] "07-07-2015" "07-07-2015" "10-07-2015" "10-07-2015" "11-07-2015"
   [106] "09-06-2015" "20-05-2015" "22-04-2015" "11-07-2015" "11-07-2015"
   [111] "11-07-2015" "11-07-2015" "11-07-2015" "12-07-2015" "12-05-2015"
  [116] "12-07-2015" "14-07-2015" "14-07-2015" "14-07-2015" "05-07-2015"
   [121] "05-07-2015" "29-05-2015" "04-07-2015" "13-05-2015" "16-06-2015"
   [126] "05-07-2015" "05-07-2015" "06-07-2015" "06-07-2015" "06-07-2015"
   [131] "06-07-2015" "06-07-2015" "01-07-2015" "06-07-2015" "06-07-2015"
  [136] "06-07-2015" "06-07-2015" "06-07-2015" "01-07-2015" "06-07-2015"
   [141] "07-07-2015" "07-07-2015" "09-07-2015" "10-07-2015" "10-07-2015"
## [146] "10-07-2015" "11-07-2015" "11-07-2015" "17-06-2015" "01-05-2015"
## [151] "12-07-2015" "12-07-2015" "30-03-2015" "12-07-2015" "14-07-2015"
## \[ 156\] "15-07-2015" "15-07-2015" "16-07-2015" "19-07-2015" "19-07-2015"
```

```
## [161] "11-07-2015" "10-07-2015" "10-07-2015" "10-07-2015" "10-07-2015"
   [166] "10-07-2015" "10-07-2015" "06-07-2015" "06-07-2015" "07-07-2015"
   [171] "08-07-2015" "08-07-2015" "09-07-2015" "03-06-2015" "10-07-2015"
  [176] "10-07-2015" "11-07-2015" "11-07-2015" "12-07-2015" "12-07-2015"
  [181] "13-07-2015" "26-06-2015" "13-07-2015" "14-07-2015" "14-05-2015"
  [186] "16-07-2015" "16-07-2015" "16-07-2015" "16-07-2015" "17-07-2015"
## [191] "20-07-2015" "20-07-2015" "13-07-2015" "07-05-2015" "10-07-2015"
## [196] "10-07-2015" "07-07-2015" "07-07-2015" "08-07-2015" "08-07-2015"
   [201] "08-07-2015" "11-07-2015" "11-07-2015" "11-07-2015" "11-07-2015"
   [206] "28-05-2015" "13-04-2015" "14-07-2015" "25-03-2015" "21-07-2015"
   [211] "11-07-2015" "12-07-2015" "12-07-2015" "28-05-2015" "12-07-2015"
   [216] "12-07-2015" "29-06-2015" "09-07-2015" "08-07-2015" "08-07-2015"
   [221] "10-07-2015" "28-05-2015" "14-07-2015" "15-04-2015" "15-07-2015"
   [226] "15-07-2015" "15-07-2015" "16-07-2015" "17-07-2015" "17-07-2015"
  [231] "10-07-2015" "11-07-2015" "11-07-2015" "02-06-2015" "16-06-2015"
  [236] "16-06-2015" "12-07-2015" "23-06-2015" "27-06-2015" "13-07-2015"
   [241] "14-07-2015" "14-07-2015" "16-07-2015" "16-07-2015" "16-07-2015"
   [246] "16-07-2015" "16-07-2015" "13-05-2015" "11-07-2015" "12-07-2015"
   [251] "12-07-2015" "12-07-2015" "12-07-2015" "12-07-2015" "12-07-2015"
## [256] "12-07-2015" "12-07-2015" "13-07-2015" "13-07-2015" "13-07-2015"
  [261] "14-07-2015" "14-07-2015" "29-06-2015" "15-07-2015" "15-07-2015"
## [266] "15-07-2015" "17-07-2015" "17-07-2015" "17-07-2015" "17-07-2015"
## [271] "17-07-2015" "17-07-2015" "17-07-2015" "18-07-2015" "19-07-2015"
  [276] "20-07-2015" "21-07-2015" "23-07-2015" "17-07-2015" "17-07-2015"
   [281] "29-05-2015" "16-07-2015" "17-07-2015" "08-06-2015" "17-07-2015"
   [286] "17-07-2015" "18-07-2015" "22-04-2015" "15-07-2015" "15-07-2015"
  [291] "15-07-2015" "12-07-2015" "12-07-2015" "12-07-2015" "12-07-2015"
  [296] "13-07-2015" "13-07-2015" "13-07-2015" "14-07-2015"
```

diff(mydata\$adr)

```
75.00
     [1]
            0.00
                             0.00
                                     23.00
                                               0.00
                                                       9.00
                                                               -4.00
                                                                      -21.00
                                                                                23.50
##
##
    [10]
           17.50
                    22.00
                           -48.00
                                     57.77
                                            -60.06
                                                       2.29
                                                                0.50
                                                                       -9.30
                                                                                19.22
##
    Г197
           45.58
                   -55.71
                           -12.62
                                      0.00
                                              15.00
                                                      -4.72
                                                              -31.35
                                                                       15.90
                                                                                27.50
    Γ281
                    -6.70
                                                     -42.80
                                                               43.30
##
          -13.00
                           -25.30
                                      1.86
                                             44.44
                                                                        0.00
                                                                               -10.80
##
    [37]
           10.80
                     0.00
                            28.20 -19.19
                                             -38.31
                                                      43.50
                                                               14.00
                                                                      -26.30
                                                                                42.30
##
    Γ46]
          -94.05
                    23.93
                            -0.53
                                     37.00
                                             -51.77
                                                     -11.57
                                                               54.69
                                                                      -22.50
                                                                                58.80
                    40.00
                                             -25.00
                                                               17.19
                                                                               -74.05
##
    [55]
          -40.00
                           -29.10
                                      5.10
                                                      19.81
                                                                       -2.00
    [64]
           77.38
                    16.67
                           -42.50
                                   -13.50
                                              13.30
                                                     -28.30
                                                               15.00
                                                                      -23.20
                                                                                17.70
##
                    -4.20
                                              -1.00
##
    [73]
           23.00
                           -19.40
                                     32.10
                                                     -11.30
                                                              -24.84
                                                                      -26.91
                                                                                -3.27
##
    [82]
            0.00
                    68.32
                           -12.85
                                     23.58
                                            -42.28
                                                      16.28
                                                              -34.93
                                                                       24.20
                                                                                33.00
##
    [91]
           -8.00
                   -28.29
                            28.29
                                      0.00
                                             -49.20
                                                      43.20
                                                               79.54
                                                                      -97.24
                                                                                -8.35
   [100]
                                   -10.69
            1.72
                   -21.12
                            24.94
                                              10.50
                                                      66.70
                                                                9.00
                                                                      -61.30
                                                                               -51.75
##
##
   Γ1097
           14.85
                    23.20
                            42.00
                                    -71.76
                                              49.26
                                                     -20.20
                                                               26.70
                                                                      -51.45
                                                                                 0.00
   [118]
                    14.00
                                     25.50
                                                     -49.20
                                                               39.20 -113.00
##
           77.45
                           -83.50
                                              18.00
                                                                               123.00
   [127]
          -49.20
                    40.70
                           -40.70
                                      0.00
                                              14.40
                                                       8.80
                                                              -11.90
                                                                        3.90
                                                                                -8.90
##
##
   [136]
           17.90
                     3.00
                            -4.00
                                     70.00
                                             58.00 -128.00
                                                               -9.70
                                                                       -1.71
                                                                                37.41
   [145]
          -16.00
                    56.00
                           -81.00
                                     81.00
                                            -57.50
                                                      58.70
                                                              -66.91
                                                                               -15.60
##
                                                                       16.71
## [154]
           76.60 -111.40
                            60.85
                                   -13.75
                                            -36.63
                                                      60.03
                                                               32.90
                                                                      -44.00
                                                                                -5.19
## [163]
           53.51
                    38.68 -113.00
                                     20.81 -117.81
                                                       0.00
                                                             131.00
                                                                      -33.00
                                                                              -10.70
## [172]
            9.70
                    70.00
                           -75.50
                                    -17.70
                                              49.20
                                                      52.00
                                                              -57.20
                                                                       -0.17
                                                                                67.37
  [181] -114.00
                                                     -56.74
##
                   -23.75 103.75
                                    -63.70
                                              33.30
                                                               93.24
                                                                      -65.73
                                                                              -18.37
## [190]
           37.70
                   -17.10
                           -10.10
                                     -9.70
                                              8.20
                                                     103.50 -185.50
                                                                        0.00
                                                                              109.80
                                              53.00
## [199]
           85.20
                   -85.20
                            83.20
                                   -96.00
                                                     -52.00
                                                              -6.50
                                                                       47.50
                                                                              -59.50
```

```
## [208]
         -32.25
                   79.40
                          -19.65
                                    24.00
                                             0.00
                                                    -8.00
                                                             23.00 -35.30
## [217]
         -12.80
                   43.72
                             0.00
                                     0.00
                                           -38.30
                                                    11.54
                                                             34.04
                                                                     -5.00
                                                                            -17.32
                                  -30.00
                                                             22.00
## [226]
           65.32
                  -43.00
                           18.10
                                            22.90
                                                     1.00
                                                                    -49.00
                                                                             26.00
## [235]
                  -71.00
           30.00
                           23.08
                                  -39.66
                                            32.58
                                                   -22.54
                                                             -9.96
                                                                              2.65
                                                                     25.45
## [244]
           25.65
                   15.48
                          -22.73
                                     6.13
                                            12.87
                                                   -42.80
                                                            -14.40
                                                                     24.20
                                                                             12.50
## [253]
                   54.00
                          -97.70
                                 -13.50
                                            46.20
                                                   -22.00
           20.50
                                                            -1.70 100.70
                                                                              0.00
## [262]
         -74.00
                  -41.00
                           83.00 -15.60
                                           -42.56
                                                    54.16
                                                           -26.57
                                                                     10.00
                                                                              7.57
## [271]
          -26.46
                    8.29
                           25.92
                                  -39.15
                                            -8.40
                                                    -1.60
                                                             -4.70
                                                                    -10.63
                                                                             13.56
## [280]
           45.13
                  -33.36
                          -29.93
                                    36.00
                                            17.73
                                                   -44.90
                                                             39.90
                                                                   -65.60
                                                                             16.17
## [289]
           33.03
                    0.00
                             0.00
                                    21.90
                                             8.10 -22.00
                                                           -31.00 -34.50
                                                                             57.50
## [298]
            0.00
```

duplicated(mydata)

```
##
                             [1] FALSE FA
##
                        [13] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE TRUE FALSE
                        [25] FALSE F
##
                        [37] FALSE F
                      [49] FALSE F
##
                      [61] FALSE F
                     [73] FALSE FALSE
##
                      [85] FALSE FALSE
                [97] FALSE FALSE
## [109] FALSE FALSE
## [121] FALSE FALSE
## [133] FALSE FALSE
## [145] FALSE FALSE
## [157] FALSE FALSE
## [169] FALSE FALSE
## [181] FALSE FALSE
## [193] FALSE FALSE
## [205] FALSE FALSE
## [217] FALSE FALSE FALSE TRUE FALSE FALSE FALSE FALSE FALSE FALSE FALSE
## [229] FALSE FALSE
## [241] FALSE FALSE
## [253] FALSE FALSE FALSE TRUE FALSE FALSE FALSE FALSE TRUE FALSE FALSE
## [265] FALSE FALSE
## [277] FALSE FALSE
## [289] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE
```

exp(mydata\$adr)

```
##
     [1] 1.000000e+00 1.000000e+00 3.733242e+32 3.733242e+32 3.637971e+42
##
     [6] 3.637971e+42 2.947878e+46 5.399228e+44 4.093997e+35 6.577606e+45
    [11] 2.619517e+53 9.390741e+62 1.338335e+42 1.643452e+67 1.355284e+41
##
##
    [16] 1.338335e+42 2.206541e+42 2.017313e+38 4.486558e+46 2.799341e+66
##
    [21] 1.788587e+42 5.911719e+36 5.911719e+36 1.932551e+43 1.722904e+41
    [26] 4.179545e+27 3.360557e+34 2.947878e+46 6.663176e+40 8.201783e+37
    [31] 8.438357e+26 5.420578e+27 1.081664e+47 2.794400e+28 1.783363e+47
##
    [36] 1.783363e+47 3.637971e+42 1.783363e+47 1.783363e+47 3.150243e+59
##
##
    [41] 1.459597e+51 3.360557e+34 2.619517e+53 3.150243e+59 1.192337e+48
    [46] 2.799341e+66 3.996315e+25 9.870216e+35 5.809658e+35 6.808421e+51
    [51] 2.236769e+29 2.112681e+24 1.192337e+48 2.017313e+38 6.938871e+63
```

```
[56] 2.947878e+46 6.938871e+63 1.597053e+51 2.619517e+53 3.637971e+42
    [61] 1.459597e+51 4.263390e+58 5.769871e+57 3.996315e+25 1.612006e+59
##
    [66] 2.799341e+66 9.762033e+47 1.338335e+42 7.992476e+47 4.093997e+35
   [71] 1.338335e+42 1.124431e+32 5.469468e+39 5.329889e+49 7.992476e+47
    [76] 3.001708e+39 2.619517e+53 9.636666e+52 1.192337e+48 1.943230e+37
   [81] 3.996315e+25 1.518857e+24 1.518857e+24 7.120586e+53 1.869957e+48
##
    [86] 3.254584e+58 1.414246e+40 1.662796e+47 1.124431e+32 3.637971e+42
##
    [91] 7.808671e+56 2.619517e+53 1.355284e+41 2.619517e+53 2.619517e+53
   [96] 1.124431e+32 6.493134e+50 2.271106e+85 1.334879e+43 3.155609e+39
## [101] 1.762259e+40 1.185141e+31 8.036641e+41 1.830065e+37 6.645974e+41
## [106] 6.165958e+70 4.996327e+74 1.192337e+48 3.996315e+25 1.124431e+32
## [111] 1.338335e+42 2.327732e+60 1.592066e+29 3.938285e+50 6.645974e+41
## [116] 2.619517e+53 1.185141e+31 1.185141e+31 5.127171e+64 6.165958e+70
## [121] 3.360557e+34 3.989520e+45 2.619517e+53 1.124431e+32 1.189259e+49
## [126] 1.000000e+00 2.619517e+53 1.124431e+32 5.329889e+49 1.124431e+32
## [131] 1.124431e+32 2.017313e+38 1.338335e+42 9.087835e+36 4.489613e+38
## [136] 6.123335e+34 3.637971e+42 7.307060e+43 1.338335e+42 3.366499e+72
## [141] 5.203055e+97 1.338335e+42 8.201783e+37 1.483422e+37 2.619517e+53
## [146] 2.947878e+46 6.165958e+70 4.093997e+35 6.165958e+70 6.577606e+45
## [151] 2.047170e+71 1.788587e+42 3.232741e+49 5.427215e+42 1.003539e+76
## [156] 4.179545e+27 1.116730e+54 1.192337e+48 1.472964e+32 1.733365e+58
## [161] 3.366499e+72 2.619517e+53 1.459597e+51 2.531224e+74 1.591627e+91
## [166] 1.338335e+42 1.459597e+51 1.000000e+00 1.000000e+00 7.808671e+56
## [171] 3.637971e+42 8.201783e+37 1.338335e+42 3.366499e+72 5.469468e+39
## [176] 1.124431e+32 2.619517e+53 1.003539e+76 1.445074e+51 1.219158e+51
## [181] 2.210442e+80 6.837671e+30 3.314471e+20 3.788495e+65 8.201783e+37
## [186] 2.376372e+52 5.420578e+27 1.689130e+68 4.802715e+39 5.052394e+31
## [191] 1.192337e+48 4.466461e+40 1.834802e+36 1.124431e+32 4.093997e+35
## [196] 3.644403e+80 1.000000e+00 1.000000e+00 4.847682e+47 4.868823e+84
## [201] 4.847682e+47 6.589235e+83 1.338335e+42 1.393710e+65 3.637971e+42
## [206] 5.469468e+39 2.327732e+60 3.360557e+34 3.314471e+20 1.007851e+55
## [211] 2.947878e+46 7.808671e+56 7.808671e+56 2.619517e+53 2.552668e+63
## [216] 1.192337e+48 1.124431e+32 3.104298e+26 3.015214e+45 3.015214e+45
## [221] 3.015214e+45 7.011961e+28 7.204400e+33 4.375039e+48 2.947878e+46
## [226] 8.861947e+38 2.068448e+67 4.375039e+48 3.174769e+56 2.970829e+43
## [231] 2.619517e+53 7.120586e+53 2.552668e+63 1.338335e+42 2.619517e+53
## [236] 2.799341e+66 4.093997e+35 4.321795e+45 2.579556e+28 3.637971e+42
## [241] 5.913732e+32 2.794400e+28 3.155609e+39 4.466461e+40 6.160514e+51
## [246] 3.254584e+58 4.375039e+48 2.010051e+51 7.808671e+56 2.017313e+38
## [251] 1.124431e+32 3.637971e+42 9.762033e+47 7.808671e+56 2.210442e+80
## [256] 8.201783e+37 1.124431e+32 1.304181e+52 3.637971e+42 6.645974e+41
## [261] 3.597601e+85 3.597601e+85 2.619517e+53 4.093997e+35 4.556061e+71
## [266] 7.648840e+64 2.512016e+46 8.344716e+69 2.411055e+58 5.310703e+62
## [271] 1.029820e+66 3.321462e+54 1.323215e+58 2.390801e+69 2.376372e+52
## [276] 5.343685e+48 1.078871e+48 9.812635e+45 2.372659e+41 1.837674e+47
## [281] 7.311028e+66 2.376372e+52 2.384958e+39 1.028210e+55 5.153748e+62
## [286] 1.630425e+43 3.472568e+60 1.124431e+32 1.184335e+39 2.619517e+53
## [291] 2.619517e+53 2.619517e+53 8.497094e+62 2.799341e+66 7.808671e+56
## [296] 2.688117e+43 2.794400e+28 2.619517e+53 2.619517e+53
```

log10(mydata\$adr)

```
## [1] -Inf -Inf 1.875061 1.875061 1.991226 1.991226 2.029384 2.012837 ## [9] 1.913814 2.023252 2.089905 2.161368 1.986772 2.189687 1.976396 1.986772
```

```
[17] 1.989005 1.945469 2.031085 2.184691 1.988068 1.927730 1.927730 1.998564
    [25] 1.977495 1.803457 1.900367 2.029384 1.973128 1.941014 1.792392 1.805229
##
    [33] 2.034628 1.816241 2.036629 2.036629 1.991226 2.036629 2.036629 2.136721
    [41] 2.071182 1.900367 2.089905 2.136721 2.044148 2.184691 1.770484 1.918450
##
    [49] 1.915664 2.076822 1.829818 1.748266 2.044148 1.945469 2.167317 2.029384
    [57] 2.167317 2.071514 2.089905 1.991226 2.071182 2.130334 2.123852 1.770484
##
    [65] 2.134591 2.184691 2.043362 1.986772 2.042576 1.913814 1.986772 1.868056
##
    [73] 1.961421 2.058805 2.042576 1.958564 2.089905 2.086360 2.044148 1.933791
    [81] 1.770484 1.745699 1.745699 2.093422 2.045909 2.129464 1.965907 2.036349
##
    [89] 1.868056 1.991226 2.117271 2.089905 1.976396 2.089905 2.089905 1.868056
   [97] 2.068186 2.293451 1.996949 1.958803 1.966939 1.854610 1.984482 1.933487
## [105] 1.983626 2.212188 2.235528 2.044148 1.770484 1.868056 1.986772 2.143015
## [113] 1.827628 2.066326 1.983626 2.089905 1.854610 1.854610 2.173186 2.212188
## [121] 1.900367 2.021189 2.089905 1.868056 2.053078
                                                          -Inf 2.089905 1.868056
## [129] 2.058805 1.868056 1.868056 1.945469 1.986772 1.929930 1.949390 1.903633
## [137] 1.991226 2.004321 1.986772 2.222716 2.352183 1.986772 1.941014 1.932423
## [145] 2.089905 2.029384 2.212188 1.913814 2.212188 2.023252 2.215373 1.988068
## [153] 2.056905 1.992995 2.243038 1.803457 2.094995 2.044148 1.869642 2.127429
## [161] 2.222716 2.089905 2.071182 2.233808 2.322219 1.986772 2.071182
## [169]
             -Inf 2.117271 1.991226 1.941014 1.986772 2.222716 1.961421 1.868056
## [177] 2.089905 2.243038 2.071145 2.070518 2.267172 1.851258 1.674402 2.178977
## [185] 1.941014 2.081347 1.805229 2.196176 1.960804 1.863323 2.044148 1.971276
## [193] 1.921686 1.868056 1.913814 2.268344
                                                 -Inf
                                                          -Inf 2.040602 2.290035
## [201] 2.040602 2.285557 1.986772 2.176091 1.991226 1.961421 2.143015 1.900367
## [209] 1.674402 2.102605 2.029384 2.117271 2.117271 2.089905 2.164353 2.044148
## [217] 1.868056 1.785330 2.020030 2.020030 1.822299 1.891872 2.049218
## [225] 2.029384 1.952696 2.190332 2.049218 2.114277 2.000434 2.089905 2.093422
## [233] 2.164353 1.986772 2.089905 2.184691 1.913814 2.021520 1.815711 1.991226
## [241] 1.877717 1.816241 1.958803 1.971276 2.076458 2.129464 2.049218 2.072360
## [249] 2.117271 1.945469 1.868056 1.991226 2.043362 2.117271 2.267172 1.941014
## [257] 1.868056 2.079181 1.991226 1.983626 2.294466 2.294466 2.089905 1.913814
## [265] 2.217484 2.174351 2.028734 2.206826 2.128496 2.159657 2.181844 2.098782
## [273] 2.126553 2.203441 2.081347 2.049993 2.043755 2.024896 1.978956 2.036749
## [281] 2.187408 2.081347 1.957464 2.102674 2.159567 1.997823 2.144263 1.868056
## [289] 1.954098 2.089905 2.089905 2.089905 2.161068 2.184691 2.117271 2.000000
## [297] 1.816241 2.089905 2.089905
```

mad((mydata\$adr))

[1] 27.87288

pmax(mydata\$adr)

```
##
          0.00
                 0.00 75.00 75.00 98.00 98.00 107.00 103.00 82.00 105.50
                      97.00 154.77
                                    94.71
                                          97.00 97.50 88.20 107.42 153.00
##
   [11] 123.00 145.00
##
   [21] 97.29
               84.67
                      84.67
                             99.67 94.95
                                          63.60 79.50 107.00 94.00 87.30
##
   [31] 62.00 63.86 108.30 65.50 108.80 108.80 98.00 108.80 108.80 137.00
   [41] 117.81 79.50 123.00 137.00 110.70 153.00 58.95 82.88 82.35 119.35
   [51] 67.58 56.01 110.70 88.20 147.00 107.00 147.00 117.90 123.00 98.00
##
   [61] 117.81 135.00 133.00 58.95 136.33 153.00 110.50 97.00 110.30
##
##
   [71] 97.00 73.80 91.50 114.50 110.30 90.90 123.00 122.00 110.70
   [81] 58.95 55.68 55.68 124.00 111.15 134.73 92.45 108.73 73.80
   [91] 131.00 123.00 94.71 123.00 123.00 73.80 117.00 196.54 99.30 90.95
```

```
## [101] 92.67 71.55 96.49 85.80 96.30 163.00 172.00 110.70 58.95 73.80
## [111] 97.00 139.00 67.24 116.50 96.30 123.00 71.55 71.55 149.00 163.00
                                           0.00 123.00 73.80 114.50 73.80
## [121] 79.50 105.00 123.00 73.80 113.00
## [131] 73.80
               88.20 97.00 85.10 89.00 80.10 98.00 101.00 97.00 167.00
## [141] 225.00 97.00 87.30 85.59 123.00 107.00 163.00 82.00 163.00 105.50
## [151] 164.20 97.29 114.00 98.40 175.00 63.60 124.45 110.70 74.07 134.10
## [161] 167.00 123.00 117.81 171.32 210.00 97.00 117.81
                                                         0.00
                                                                0.00 131.00
## [171] 98.00 87.30 97.00 167.00 91.50 73.80 123.00 175.00 117.80 117.63
## [181] 185.00 71.00 47.25 151.00 87.30 120.60 63.86 157.10 91.37 73.00
## [191] 110.70 93.60 83.50 73.80 82.00 185.50
                                                  0.00
                                                         0.00 109.80 195.00
## [201] 109.80 193.00 97.00 150.00 98.00 91.50 139.00 79.50 47.25 126.65
## [211] 107.00 131.00 131.00 123.00 146.00 110.70 73.80 61.00 104.72 104.72
## [221] 104.72 66.42 77.96 112.00 107.00 89.68 155.00 112.00 130.10 100.10
## [231] 123.00 124.00 146.00 97.00 123.00 153.00 82.00 105.08 65.42 98.00
## [241] 75.46 65.50 90.95 93.60 119.25 134.73 112.00 118.13 131.00 88.20
## [251] 73.80 98.00 110.50 131.00 185.00 87.30 73.80 120.00 98.00 96.30
## [261] 197.00 197.00 123.00 82.00 165.00 149.40 106.84 161.00 134.43 144.43
## [271] 152.00 125.54 133.83 159.75 120.60 112.20 110.60 105.90 95.27 108.83
## [281] 153.96 120.60 90.67 126.67 144.40 99.50 139.40 73.80 89.97 123.00
## [291] 123.00 123.00 144.90 153.00 131.00 100.00 65.50 123.00 123.00
```

sign(mydata\$lead_time)

round(mydata\$adr)

```
##
              0 75 75 98 98 107 103 82 106 123 145
                                                        97 155
                                                               95
                                                                    97
##
    [19] 107 153 97 85 85 100 95 64
                                        80 107
                                               94
                                                    87
                                                        62 64 108
                                                                    66 109 109
##
    [37] 98 109 109 137 118
                            80 123 137 111 153
                                                59
                                                    83
                                                        82 119
                                                                68
                                                                    56 111
                            98 118 135 133
                                            59 136 153 110 97 110
                                                                            74
##
   [55] 147 107 147 118 123
                                                                    82
                                                                        97
   [73] 92 114 110 91 123 122 111
                                    86
                                        59
                                            56
                                                56 124 111 135
                                                                92 109
                                                                        74
   [91] 131 123 95 123 123
                            74 117 197
                                            91
                                                93
                                                   72
                                                        96
                                                           86
                                        99
                                                                96 163 172 111
## [109] 59
             74
                 97 139
                         67 116
                                96 123
                                        72
                                            72 149 163
                                                        80 105 123
                                                                    74 113
                                                                             0
## [127] 123 74 114
                    74
                        74
                            88
                                97
                                     85
                                        89
                                            80
                                                98 101
                                                        97 167 225
                                                                    97
                                                                       87
                                                                            86
                                     97 114
## [145] 123 107 163 82 163 106 164
                                            98 175
                                                    64 124 111 74 134 167 123
## [163] 118 171 210 97 118
                                        98
                                            87 97 167
                                                        92
                                                           74 123 175 118 118
                              0
                                  0 131
## [181] 185 71 47 151
                         87 121
                                 64 157
                                        91
                                            73 111
                                                    94
                                                       84
                                                            74 82 186
                                                                         0
                                                                             0
## [199] 110 195 110 193 97 150
                                98
                                    92 139
                                            80 47 127 107 131 131 123 146 111
## [217] 74 61 105 105 105
                             66
                                78 112 107
                                            90 155 112 130 100 123 124 146
                                            94 119 135 112 118 131 88 74
## [235] 123 153 82 105
                         65
                            98
                                75
                                     66
                                        91
                                                                            98
## [253] 110 131 185 87 74 120 98 96 197 197 123 82 165 149 107 161 134 144
## [271] 152 126 134 160 121 112 111 106 95 109 154 121 91 127 144 100 139
## [289] 90 123 123 123 145 153 131 100 66 123 123
```

IQR(mydata\$adr)

[1] 35.7

floor(mydata\$lead_time)

```
##
      [1] 342 737
                       7
                           13
                                14
                                    14
                                           0
                                                9
                                                   85
                                                        75
                                                             23
                                                                  35
                                                                       68
                                                                            18
                                                                                 37
                                                                                      68
                                                                                           37
                                                                                                12
                           72
                                                                                                40
##
     [19]
             0
                      37
                                72
                                    72 127
                                               78
                                                    48
                                                        60
                                                             77
                                                                  99
                                                                      118
                                                                            95
                                                                                 96
                                                                                      69
                                                                                           45
##
     [37]
            15
                 36
                      43
                           70
                                45
                                    45
                                               70 107
                                                        47
                                                             96
                                                                 113
                                                                       90
                                                                            50
                                                                                113
                                                                                      93
                                                                                           76
                                                                                                 3
                                         16
     [55]
                                                                                 71
##
             1
                  1
                       0
                            0
                                 0
                                    14
                                         10
                                                5
                                                   17
                                                        93
                                                               3
                                                                  10
                                                                        3
                                                                            51
                                                                                      63
                                                                                           62 101
##
     [73]
             2
                 15
                      51
                            3
                                48
                                      2
                                         72
                                              81
                                                   99
                                                       368 364
                                                                  81
                                                                       99 324
                                                                                 69
                                                                                      79
                                                                                           12
                                                                                                 9
##
     [91]
             1
                 21
                       9 109
                              109
                                    72
                                         63
                                               63 101
                                                       102
                                                               4
                                                                  98
                                                                       92
                                                                            95
                                                                                102
                                                                                      26
                                                                                           73 102
   [109] 115 102
                                    29 101
                                             109
                                                   92
                                                        92
                                                             79
                                                                   2
                                                                            51
                                                                                 36
                                                                                      73
                                                                                           33
##
                      86
                          78
                               52
                                                                       30
                                                                                                32
   Γ127]
             8
               100
                       1
                         100
                              100
                                      9
                                           5
                                                0
                                                     9
                                                          2
                                                               2
                                                                   9
                                                                        5
                                                                             2
                                                                                 44
                                                                                      80
                                                                                           97
                                                                                              109
##
                           90
                                34
                                                  101
                                                               8
                                                                  82
                                                                                 96
##
   [145]
            30
                 64
                      39
                                    93
                                         97
                                               29
                                                        27
                                                                       94 110
                                                                                      79
                                                                                         115 111
##
   [163]
            51
                 94
                      81
                           84
                                51
                                   111
                                                2
                                                        98
                                                             95
                                                                  48
                                                                       66
                                                                           104
                                                                                 28
                                                                                      34
                                                                                           98
                                                                                               104
   [181]
            68
                 86
                    258
                                94
                                   112 100
                                              33
                                                   97
                                                        80
                                                             90 111
                                                                       65
                                                                            67
                                                                                 55
                                                                                      21
                                                                                            8
                                                                                                 8
##
                         111
   [199]
             0
                  0
                       0
                            8
                                66
                                    88
                                           0
                                              43
                                                   88
                                                        54 292
                                                                 112
                                                                       68
                                                                             7
                                                                                  1
                                                                                     113
                                                                                            5
                                                                                                83
##
   [217]
           105
                  0
                       1
                            1
                                 1
                                   102 113 280
                                                   96
                                                       394
                                                             33
                                                                  82
                                                                      100
                                                                          100
                                                                                 17
                                                                                      68
                                                                                           12
                                                                                                77
   [235]
                      78
                          17 103
                                                    90
                                                             90
                                                                                      22
                                                                                                23
            24
                 44
                                    16
                                         14
                                               77
                                                        90
                                                                 366
                                                                      249
                                                                            69
                                                                                 10
                                                                                           91
   [253]
                                         21
                                             106
                                                                  79
                                                                                 78
                                                                                                78
            11
                  3
                      13 108
                               91
                                    37
                                                   30
                                                        30
                                                             51
                                                                       21
                                                                            35
                                                                                      31
                                                                                           78
##
##
   [271]
            44
                 34
                      87
                           11
                              115
                                    86
                                         41
                                               32
                                                   34
                                                        34
                                                            100
                                                                  44 304
                                                                            36 117
                                                                                      70 110 109
##
   [289]
            33
                 33
                      33
                                      0
                                           0
                                               84
                                                   71
                                                        16
                                                             54
```

formatC(mydata\$lead_time)

```
##
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                                                                                  "23"
                                                                                         "35"
                  "18"
                                "68"
                                       "37"
                                              "12"
                                                             "7"
                                                                           "72"
                                                                                  "72"
                                                                                          "72"
##
     Г137
          "68"
                         "37"
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                                                                    "37"
##
     [25]
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                         "48"
                                "60"
                                       "77"
                                              "99"
                                                      "118"
                                                             "95"
                                                                    "96"
                                                                           "69"
                                                                                  "45"
                                                                                          "40"
                                              "45"
                                                                                         "113"
##
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                         "43"
                                "70"
                                       "45"
                                                      "16"
                                                             "70"
                                                                    "107"
                                                                           "47"
                                                                                  "96"
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                         "113"
                                "93"
                                       "76"
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                                                                           "0"
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##
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                                                                                         "81"
##
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                                                                           "109" "109"
                                                                                         "72"
                         "69"
                                "79"
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##
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##
    [97]
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                                              "98"
                                                      "92"
                                                             "95"
                                                                    "102" "26"
                                                                                  "73"
                                                                                         "102"
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                         "86"
                                "78"
                                       "52"
                                              "29"
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                                                            "109"
                                                                   "92"
                                                                           "92"
                                                                                  "79"
                                                                                         "2"
##
                                                             "100" "1"
                                                                                  "100"
                                                                                         "9"
##
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                         "36"
                                "73"
                                       "33"
                                              "32"
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                                                                           "80"
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                                                                                         "109"
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##
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                                       "34"
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##
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   Г1697
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                                                                                         "104"
                                       "94"
                                              "112"
                                                     "100"
                                                             "33"
                                                                                  "90"
                                                                                         "111"
   Г181]
          "68"
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                         "258"
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                                                                           "80"
   Г1937
          "65"
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##
                                              "102" "113"
                                                                           "394"
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                                                                    "78"
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                                                                                  "103"
                                                                                         "16"
          "14"
                  "77"
                         "90"
                                "90"
                                       "90"
                                              "366"
                                                     "249"
                                                             "69"
                                                                    "10"
                                                                           "22"
                                                                                  "91"
                                                                                         "23"
##
   [241]
                                              "37"
   [253]
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                  "3"
                         "13"
                                "108"
                                       "91"
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                                                             "106"
                                                                   "30"
                                                                           "30"
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                                                                                         "79"
##
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                         "78"
                                "31"
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##
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                         "34"
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                                              "44"
                                                      "304"
                                                             "36"
                                                                    "117"
                                                                           "70"
                                                                                  "110" "109"
##
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                                                                    "71"
## [289] "33"
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                         "33"
                                "0"
                                       "0"
                                               "0"
                                                      "0"
                                                             "84"
                                                                           "16"
                                                                                  "54"
```

##	ho	otel	is_canceled	lead_time	arrival_date_year	arrival_date_month
## 1	Resort Ho	otel	0	342	2015	July
## 2	Resort Ho	otel	0	737	2015	July
## 3	Resort Ho	otel	0	7	2015	July
## 4	Resort Ho	otel	0	13	2015	July
## 5	Resort Ho	otel	0	14	2015	July
## 6	Resort Ho	otel	0	14	2015	July
## 7	Resort Ho	otel	0	0	2015	July
## 8	Resort Ho	otel	0	9	2015	July
## 9	Resort Ho	otel	1	85	2015	July
## 10	Resort Ho	otel	1	75	2015	July
## 11	Resort Ho	otel	1	23	2015	July
## 12	Resort Ho	otel	0	35	2015	July
## 13	Resort Ho	otel	0	68	2015	July
## 14	Resort Ho	otel	0	18	2015	July
## 15	Resort Ho	otel	0	37	2015	July
## 16	Resort Ho	otel	0	68	2015	July
## 17	Resort Ho	otel	0	37	2015	July
## 18	Resort Ho	otel	0	12	2015	July
## 19	Resort Ho	otel	0	0	2015	July
## 20	Resort Ho	otel	0	7	2015	July
## 21	Resort Ho	otel	0	37	2015	July
## 22	Resort Ho	otel	0	72	2015	July
## 23	Resort Ho	otel	0	72	2015	July
## 24	Resort Ho	otel	0	72	2015	July
## 25	Resort Ho	otel	0	127	2015	July
## 26	Resort Ho	otel	0	78	2015	July
## 27	Resort Ho	otel	0	48	2015	July
## 28	Resort Ho	otel	1	60	2015	July
## 29	Resort Ho		0	77	2015	July
## 30	Resort Ho	otel	0	99	2015	July
## 31	Resort Ho		0	118	2015	July
## 32	Resort Ho		0	95	2015	July
## 33	Resort Ho		1	96	2015	July
## 34	Resort Ho		0	69	2015	July
## 35	Resort Ho		1	45	2015	July
## 36	Resort Ho		1	40	2015	July
## 37	Resort Ho		0	15	2015	July
## 38	Resort Ho		0	36	2015	July
## 39	Resort Ho		1	43	2015	July
## 40	Resort Ho		0	70	2015	July
## 41	Resort Ho		1	45	2015	July
## 42	Resort Ho		0	45	2015	July
## 43	Resort Ho		0	16	2015	July
## 44	Resort Ho		0	70	2015	July
## 45	Resort Ho		0	107	2015	July
## 46	Resort Ho		1	47	2015	July
## 47	Resort Ho		0	96	2015	July
## 48	Resort Ho		0	113	2015	July
## 49	Resort Ho		0	90	2015	July
## 50	Resort Ho	otel	0	50	2015	July

##	51	Resort	Hotel	0	113	2015	July
##	52	Resort		0	93	2015	July
##	53	${\tt Resort}$		0	76	2015	July
##	54	${\tt Resort}$		0	3	2015	July
##	55	${\tt Resort}$		0	1	2015	July
##	56	${\tt Resort}$	Hotel	0	1	2015	July
##	57	${\tt Resort}$	Hotel	0	0	2015	July
##	58	${\tt Resort}$	Hotel	0	0	2015	July
##	59	${\tt Resort}$	Hotel	0	0	2015	July
##	60	${\tt Resort}$	Hotel	0	14	2015	July
##	61	${\tt Resort}$	Hotel	0	10	2015	July
##	62	${\tt Resort}$	Hotel	0	5	2015	July
##	63	${\tt Resort}$	Hotel	0	17	2015	July
##	64	Resort	Hotel	0	93	2015	July
##	65	Resort	Hotel	1	3	2015	July
##	66	Resort	Hotel	0	10	2015	July
##	67	Resort	Hotel	0	3	2015	July
##	68	Resort	Hotel	0	51	2015	July
##	69	Resort	Hotel	1	71	2015	July
##	70	Resort	Hotel	1	63	2015	July
##	71	Resort	Hotel	1	62	2015	July
##	72	Resort	Hotel	1	101	2015	July
##	73	Resort	Hotel	0	2	2015	July
##	74	Resort		0	15	2015	July
##	75	Resort		1	51	2015	July
##	76	Resort		0	3	2015	July
##	77	Resort		1	48	2015	July
##	78	Resort	Hotel	0	2	2015	July
##	79	Resort		0	72	2015	July
##	80	Resort		0	81	2015	July
##	81	Resort		0	99	2015	July
##	82	Resort		1	368	2015	July
##	83	Resort		0	364	2015	July
##	84	Resort		1	81	2015	July
##	85	Resort		0	99	2015	July
##	86	Resort		0	324	2015	July
##	87	Resort		0	69	2015	July
##		Resort		1	79	2015	July
	89	Resort		0	12	2015	July
	90	Resort		0	9	2015	July
	91	Resort		0	1	2015	July
	92	Resort		0	21	2015	July
	93	Resort		0	9	2015	July
	94	Resort		0	109	2015	July
##		Resort		1	109	2015	July
	96	Resort		1	72	2015	July
	97	Resort		1	63	2015	July
	98	Resort		0	63	2015	July
	99	Resort		0	101	2015	July
		Resort		0	101	2015	-
		Resort		0	102		July
		Resort		0	98	2015 2015	July
							July
		Resort		0	92	2015	July
##	104	Resort	потет	0	95	2015	July

##	105 Resort	Hotel	0	102	2015	July
##	106 Resort	Hotel	1	26	2015	July
##	107 Resort	Hotel	1	73	2015	July
##	108 Resort		1	102	2015	July
##	109 Resort		0	115	2015	July
##	110 Resort		0	102	2015	July
##	111 Resort		0	86	2015	July
##	112 Resort		0	78	2015	July
##	113 Resort		0	52	2015	July
##	114 Resort		0	29	2015	July
##	115 Resort		1	101	2015	July
##	116 Resort		0	109	2015	July
##	117 Resort		0	92	2015	July
##	118 Resort		0	92	2015	July
##	119 Resort		0	79	2015	July
##	120 Resort		0	2	2015	July
##	121 Resort		0	30	2015	July
##	122 Resort		1	51	2015	July
##	123 Resort		1	36	2015	July
##	124 Resort		1	73	2015	July
##	125 Resort		1	33	2015	July
##	126 Resort		0	32	2015	July
##	127 Resort		0	8	2015	July
##	128 Resort		0	100	2015	July
##	129 Resort		0	1	2015	July
##	130 Resort		0	100	2015	July
##	131 Resort		0	100	2015	July
##	132 Resort		0	9	2015	July
##	133 Resort		1	5	2015	July
##	134 Resort		0	0	2015	July
##	135 Resort		0	9	2015	July
##	136 Resort		0	2	2015	July
##	137 Resort		0	2	2015	July
##	138 Resort		0	9	2015	July
	139 Resort		1	5	2015	July
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	141 Resort		0	44	2015	July
##	142 Resort		0	80	2015	July
	143 Resort		0	97	2015	July
##	144 Resort		0	109	2015	July
##	145 Resort		0	30	2015	July
##	146 Resort		0	64	2015	July
##	147 Resort		0	39	2015	July
##	148 Resort		0	90	2015	July
##	149 Resort		1	34	2015	July
##	150 Resort		1	93	2015	July
##	151 Resort		0	97	2015	July
##	152 Resort		0	29	2015	July
##	153 Resort		1	101	2015	July
##	153 Resort		0	27	2015	July
##	154 Resort		0	8	2015	July
	156 Resort		0	82	2015	July
##	157 Resort		0	94	2015	July
	157 Resort		0	110	2015	July
ππ	100 10001 C	110001	•	110	2010	July

##	159 Resort	Hotel	0	96	2015	July
##	160 Resort	Hotel	0	79	2015	July
##	161 Resort	Hotel	0	115	2015	July
##	162 Resort	Hotel	0	111	2015	July
##	163 Resort	Hotel	0	51	2015	July
##	164 Resort	Hotel	0	94	2015	July
##	165 Resort	Hotel	0	81	2015	July
##	166 Resort	Hotel	0	84	2015	July
##	167 Resort	Hotel	0	51	2015	July
##	168 Resort	Hotel	0	111	2015	July
##	169 Resort	Hotel	0	0	2015	July
##	170 Resort	Hotel	0	2	2015	July
##	171 Resort	Hotel	0	7	2015	July
##	172 Resort	Hotel	0	98	2015	July
##	173 Resort	Hotel	0	95	2015	July
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##	176 Resort	Hotel	0	104	2015	July
##	177 Resort	Hotel	0	28	2015	July
##	178 Resort	Hotel	0	34	2015	July
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##	180 Resort	Hotel	0	104	2015	July
##	181 Resort	Hotel	0	68	2015	July
##	182 Resort	Hotel	1	86	2015	July
##	183 Resort	Hotel	0	258	2015	July
##	184 Resort	Hotel	0	111	2015	July
##	185 Resort	Hotel	1	94	2015	July
##	186 Resort	Hotel	0	112	2015	July
##	187 Resort	Hotel	0	100	2015	July
##	188 Resort	Hotel	0	33	2015	July
##	189 Resort	Hotel	0	97	2015	July
##	190 Resort	Hotel	0	80	2015	July
##	191 Resort	Hotel	0	90	2015	July
##	192 Resort	Hotel	0	111	2015	July
##	193 Resort	Hotel	0	65	2015	July
##	194 Resort	Hotel	1	67	2015	July
##	195 Resort	Hotel	0	55	2015	July
##	196 Resort	Hotel	0	21	2015	July
##	197 Resort	Hotel	0	8	2015	July
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	214 Resort		1	113	2015	July
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	217 Resort		1	105	2015	July
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##	223 Resort		0	113	2015	July
##	224 Resort		1	280	2015	July
##	225 Resort		0	96	2015	July
##	226 Resort		0	394	2015	July
##	227 Resort		0	33	2015	July
##	228 Resort		0	82	2015	July
	229 Resort		0	100	2015	July
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	231 Resort		0	17	2015	July
	232 Resort		0	68	2015	July
##	233 Resort		0	12	2015	July
##	234 Resort		1	77	2015	July
##	235 Resort		1	24	2015	=
##	236 Resort		1	44	2015	July
##	237 Resort		0	78	2015	July
##	237 Resort		1	17	2015	July
##	239 Resort		1	103	2015	July
##	240 Resort		0	16	2015	July
##	240 Resort		0	14	2015	July
##	241 Resort		0	77	2015	July
	242 Resort		0	90	2015	July
	243 Resort		0	90	2015	July
	245 Resort		0	90	2015	July
	246 Resort		0	366	2015	July
	240 Resort			249		July
	247 Resort		0 1	249 69	2015 2015	July
	240 Resort			10	2015	July
			0			July
##	250 Resort		0	22	2015	July
	251 Resort 252 Resort		0	91 23	2015	July
	252 Resort		0	23 11	2015	July
##	253 Resort			3	2015 2015	July
##			0			July
##	255 Resort 256 Resort		0	13	2015	July
	250 Resort		0	108 91	2015	July
	257 Resort		0		2015	July
##			0	37	2015	July
	259 Resort		0	21	2015	July
##	260 Resort		0	106	2015	July
##	261 Resort		0	30	2015	July
##	262 Resort		0	30	2015	July
	263 Resort		1	51	2015	July
	264 Resort		0	79	2015	July
	265 Resort		0	21	2015	July
##	266 Resort	HOTET	0	35	2015	July

##	267	Resort	Hotel	0	78	2015	July
		Resort		0	31	2015	July
		Resort		0	78	2015	July
		Resort		0	78	2015	July
		Resort		0	44	2015	July
		Resort		0	34	2015	July
		Resort		0	87	2015	-
		Resort					July
				0	11	2015	July
		Resort		0	115	2015	July
		Resort		0	86	2015	July
		Resort		0	41	2015	July
		Resort		0	32	2015	July
		Resort		0	34	2015	July
		Resort		0	34	2015	July
##	281	Resort	Hotel	1	100	2015	July
##	282	Resort	Hotel	0	44	2015	July
##	283	Resort	Hotel	0	304	2015	July
##	284	${\tt Resort}$	Hotel	1	36	2015	July
##	285	${\tt Resort}$	${\tt Hotel}$	0	117	2015	July
##	286	${\tt Resort}$	${\tt Hotel}$	0	70	2015	July
##	287	${\tt Resort}$	${\tt Hotel}$	0	110	2015	July
##	288	Resort	Hotel	1	109	2015	July
##	289	Resort	Hotel	0	33	2015	July
##	290	Resort	Hotel	0	33	2015	July
##	291	Resort	Hotel	0	33	2015	July
##	292	Resort	Hotel	0	0	2015	July
##	293	Resort	Hotel	0	0	2015	July
##	294	Resort	Hotel	0	0	2015	July
		Resort		0	0	2015	July
		Resort		0	84	2015	July
		Resort		0	71	2015	July
##		Resort		0	16	2015	July
##		Resort		0	54	2015	July
##	233						•
##	1	alliva	L_uate_	_week_number 27	allivar_ua	1	ays_in_weekend_nights
##				27		1	0
##							0
	_			27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
##				27		1	0
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##	15			27		1	0
##	16			27		1	0
##	17			27		1	0
##	18			27		1	0
##	19			27		1	0
##	20			27		1	0

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	166 167	28 28	6	1
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	215	28 28	8	0
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	292		28				.1	
	293		28				.1	
	294		28				.1	
	295		28				.1	
	296		28				.1	
	297		28				.1	
	298299		28 28				.1 .1	
##	299	stays_in_week_nights		children	hahios			market segment
	1	o o	2	0	0	BB	PRT	Direct
	2	0	2	0	0	BB	PRT	Direct
	3	1	1	0	0	BB	GBR	Direct
	4	1	1	0	0	BB	GBR	Corporate
	5	2	2	0	0	BB	GBR	Online TA
	6	2	2	0	0	BB	GBR	Online TA
##	7	2	2	0	0	BB	PRT	Direct
##	8	2	2	0	0	FB	PRT	Direct
##	9	3	2	0	0	BB	PRT	Online TA
##	10	3	2	0	0	HB	PRT	Offline TA/TO
##	11	4	2	0	0	BB	PRT	Online TA
##	12	4	2	0	0	HB	PRT	Online TA
##	13	4	2	0	0	BB	USA	Online TA
	14	4	2	1	0	HB	ESP	Online TA
	15	4	2	0	0	BB	PRT	Online TA
	16	4	2	0	0	BB	IRL	Online TA
	17	4	2	0	0	BB	PRT	Offline TA/TO
	18	1	2	0	0	BB	IRL	Online TA
	19	1	2	0	0	BB	FRA	Corporate
##		4	2	0	0	BB	GBR	Direct
##	22	4	1 2	0	0	BB	GBR	Online TA
## ##		4	2	0	0	BB BB	PRT PRT	Direct Direct
##		4	2	0	0	BB	PRT	Direct
##		5	2	0	0	HB	GBR	Offline TA/TO
	26	5	2	0	0	BB	PRT	Offline TA/TO
##		5	2	0	0	BB	IRL	Offline TA/TO
##		5	2	0	0	BB	PRT	Online TA
##		5	2	0	0	BB	PRT	Online TA
##		5	2	0	0	BB	PRT	Online TA
##	31	10	1	0	0	BB	NULL	Direct
##	32	11	2	0	0	BB	GBR	Offline TA/TO
##	33	8	2	0	0	BB	PRT	Direct
##	34	4	2	0	0	BB	IRL	Offline TA/TO
##	35	3	3	0	0	BB	PRT	Online TA
##		3	3	0	0	BB	PRT	Online TA
##		3	2	0	0	BB	ESP	Online TA
##		3	3	0	0	BB	PRT	Online TA
##		3	3	0	0	BB	PRT	Online TA
##		3	2	0	0	HB	ROU	Direct
##		3	2	0	0	BB	PRT	Online TA
##		3	2	0	0	BB	IRL	Offline TA/TO
##		3	2	0	0	BB	ESP	Direct
##	44	3	2	0	0	HB	ROU	Direct

##		5	2	0	0	BB	PRT	Online TA
##	46	5	2	2	0	BB	PRT	Online TA
##	47	5	2	0	0	BB	ESP	Offline TA/TO
##	48	5	2	0	0	BB	NOR	Offline TA/TO
##	49	5	2	0	0	HB	GBR	Offline TA/TO
##	50	5	2	0	0	HB	IRL	Online TA
##	51	5	2	0	0	BB	NOR	Offline TA/TO
##	52	8	2	0	0	BB	IRL	Offline TA/TO
##	53	10	2	0	0	BB	OMN	Offline TA/TO
##	54	1	2	0	0	BB	ESP	Online TA
##	55	1	2	0	0	BB	ARG	Online TA
##	56	1	2	2	0	BB	ESP	Direct
##	57	1	2	0	0	BB	PRT	Direct
##	58	1	2	0	0	BB	PRT	Online TA
##	59	1	2	0	0	BB	PRT	Direct
##		2	2	0	0	BB	USA	Online TA
##		2	2	0	0	BB	PRT	Online TA
##		2	2	0	0	BB	IRL	Online TA
##		3	2	0	0	BB	ESP	Direct
##		3	2	0	0	BB	IRL	Offline TA/TO
##		3	2	0	0	HB	PRT	Online TA
##		2	2	2	0	BB	USA	Online TA
##		2	2	0	0	BB	ESP	Online TA
##		2	2	0	0	BB	POL	Online TA
##		2	3	0	0	BB	PRT	Offline TA/TO
##		2	2	0	0	BB	PRT	Online TA
	71	2	2	0	0	BB	PRT	Online TA
	72	2	2	0	0	BB	PRT	Online TA
	73	2	2	0				
		2	2		0	HB	PRT	Offline TA/TO
	74			0	0	BB	ESP	Online TA
	75 76	2	3	0	0	BB	PRT	Online TA
	76	2	2	0	0	BB	ESP	Online TA
	77	2	2	0	0	BB	PRT	Online TA
	78	2	1	0	0	BB	PRT	Online TA
	79	2	2	0	0	BB	DEU	Offline TA/TO
	80	6	3	0	0	BB	PRT	Offline TA/TO
##		7	2	0	0	BB	FRA	Offline TA/TO
##		7	2	0	0	BB	PRT	Offline TA/TO
##		7	2	0	0	BB	GBR	Offline TA/TO
##		7	2	0	0	HB	PRT	Direct
##		7	2	0	0	HB	GBR	Offline TA/TO
##		10	2	0	0	HB	GBR	Offline TA/TO
##		10	2	0	0	BB	GBR	Online TA
##		15	2	1	0	BB	PRT	Offline TA/TO
##		1	2	0	0	BB	GBR	Online TA
##		1	2	0	0	BB	PRT	Online TA
##		1	2	0	0	BB	ESP	Online TA
##	92	1	2	0	0	BB	PRT	Online TA
##	93	1	2	0	0	BB	USA	Online TA
##	94	1	2	0	0	BB	BEL	Online TA
##	95	2	2	0	0	BB	PRT	Online TA
##	96	2	2	0	0	BB	PRT	Online TA
##	97	5	2	0	0	BB	PRT	Online TA
##	98	5	3	0	0	HB	ESP	Offline TA/TO

		_	_					
##		5	2	1	0	BB	PRT	Online TA
	100	5	2	0	0	BB	DEU	Direct
	101	1	2	0	0	BB	ESP	Direct
	102	1	2	0	0	BB	FRA	Offline TA/TO
##	103	4	1	2	0	BB	FRA	Offline TA/TO
##	104	4	2	0	0	BB	PRT	Online TA
##	105	5	2	0	0	BB	PRT	Online TA
##	106	5	2	2	0	BB	PRT	Online TA
##	107	5	3	0	0	HB	PRT	Direct
##	108	5	2	0	0	BB	PRT	Online TA
##	109	5	2	0	0	BB	PRT	Offline TA/TO
##	110	5	2	0	1	BB	PRT	Online TA
##	111	5	2	0	0	BB	CHE	Online TA
##	112	5	2	0	1	HB	PRT	Online TA
##	113	5	2	0	0	BB	GBR	Online TA
##	114	6	3	0	0	BB	PRT	Online TA
##	115	6	2	0	0	BB	PRT	Online TA
	116	6	2	0	0	BB	PRT	Online TA
	117	6	2	0	0	BB	GBR	Offline TA/TO
	118	6	2	0	0	BB	PRT	Offline TA/TO
	119	6	2	1	0	HB	PRT	Direct
	120	1	2	2	0	BB	PRT	Online TA
	121	1	2	0	0	BB	PRT	Offline TA/TO
	122	1	1	0	0	HB	PRT	Online TA
	123	1	1	0	0	BB	PRT	Direct
	124	1	2	0	0	BB	PRT	Online TA
	125	1	2	0	0	BB	PRT	Online TA
	126	1	4	0	0	FB	PRT	Complementary
	127	1	2	0	0	BB	ESP	Online TA
	128	1	2	0	0	BB	FRA	Online TA
	129	1	2	0	0	BB	PRT	Online TA
	130	1	2	0	0	BB	FRA	Online TA
	131	1	2	0	0	BB	FRA	Online TA
	132	0	2	0	0	BB	ESP	Online TA
	133	0	2	0	0	BB	PRT	Online TA
##	134	0	2	0	0	BB	ESP	Online TA
	135	0	1	0	0	BB	DEU	Online TA
	136	0	1 2	0 0	0 0	BB BB	PRT PRT	Online TA
	137							Online TA
	138	0	1	0	0	BB	DEU	Online TA
	139	0	2	0	0	BB	PRT	Online TA
	140	0	2	0	0	BB	PRT	Direct
	141	0	3	0	0	HB	PRT	Online TA
	142	0	2	0	0	BB	FRA	Online TA
	143	2	2	0	0	BB	ESP	Online TA
	144	3	2	1	0	BB	CN	Offline TA/TO
	145	3	2	0	0	BB	ESP	Online TA
	146	3	2	0	0	BB	PRT	Online TA
	147	4	2	0	0	BB	ESP	Online TA
	148	4	2	0	0	BB	PRT	Online TA
	149	4	2	2	0	BB	PRT	Online TA
	150	5	2	0	0	HB	PRT	Offline TA/TO
	151	5	2	2	0	HB	PRT	Direct
##	152	5	2	0	0	BB	IRL	Online TA

##	153	5	2	0	0	НВ	PRT	Online TA
	154	5	2	0	0	BB	ESP	Offline TA/TO
	155	5	2	2	0	BB	CHE	Online TA
	156	6	2	0	0			
		6	3			BB	PRT	Offline TA/TO
	157			0	0	BB	PRT	Direct
	158	7	2	0	0	BB	GBR	Offline TA/TO
	159	10	1	0	0	HB	GBR	Offline TA/TO
	160	10	2	0	0	HB	GBR	Offline TA/TO
	161	4	2	2	0	BB	PRT	Online TA
	162	3	2	0	0	BB	PRT	Online TA
	163	3	2	0	0	BB	USA	Online TA
	164	3	3	0	0	BB	CN	Offline TA/TO
	165	3	2	2	0	HB	CHE	Direct
	166	3	2	0	1	BB	PRT	Online TA
	167	3	3	0	0	BB	USA	Online TA
	168	0	2	0	0	BB	PRT	Online TA
	169	0	1	0	0	BB	PRT	Direct
##	170	0	2	1	0	BB	PRT	Direct
	171	1	2	0	0	BB	PRT	Online TA
##	172	1	2	0	0	BB	USA	Online TA
##	173	2	2	0	0	BB	GRC	Online TA
##	174	3	2	0	0	HB	PRT	Online TA
##	175	3	2	0	0	HB	PRT	Offline TA/TO
##	176	3	2	0	0	BB	PRT	Online TA
##	177	4	2	0	0	BB	PRT	Online TA
##	178	4	2	0	0	HB	PRT	Direct
##	179	5	2	0	0	HB	ESP	Online TA
##	180	5	2	0	0	BB	PRT	Online TA
##	181	5	2	2	0	HB	PRT	Online TA
##	182	5	1	0	0	HB	PRT	Offline TA/TO
##	183	5	2	0	0	BB	GBR	Offline TA/TO
##	184	5	2	0	0	HB	PRT	Online TA
	185	7	2	0	0	BB	PRT	Online TA
	186	7	2	0	0	BB	GBR	Offline TA/TO
	187	7	2	0	0	BB	GBR	Offline TA/TO
	188	7	2	0	0	HB	PRT	Direct
	189	7	2	0	0	НВ	GBR	Offline TA/TO
	190	8	1	0	0	BB	FRA	Direct
	191	10	2	0	0	BB	ITA	Offline TA/TO
	192	10	2	0	0	BB	GBR	Offline TA/TO
	193	5	2	0	0	BB	PRT	Offline TA/TO
	194	2	2	0	0	BB	PRT	Online TA
	195	3	2	0	0	BB	ESP	Online TA
	196	3	2	1	0	HB	PRT	Direct
	197	0	2	0	0	BB	PRT	Direct
	198	0	2	0	0	BB	PRT	Online TA
				0	0			
	199	1	1			BB	GBR	Online TA
	200	1	3	0	0	HB	PRT	Direct
	201	1	1	0	0	BB	GBR	Online TA
	202	4	3	2	0	BB	ESP	Online TA
	203	4	2	0	0	BB	PRT	Online TA
	204	4	3	0	0	HB	USA	Offline TA/TO
	205	4	2	0	0	BB	NLD	Direct
##	206	5	2	0	0	HB	PRT	Offline TA/TO

	207	5	2	0	0	HB	PRT	Online TA
##	208	5	2	0	0	BB	IRL	Offline TA/TO
##	209	5	2	0	0	BB	PRT	Offline TA/TO
##	210	10	2	0	0	HB	IRL	Offline TA/TO
##	211	3	2	0	0	BB	GBR	Online TA
##	212	4	2	0	0	BB	PRT	Online TA
##	213	4	2	0	0	BB	ESP	Online TA
##	214	4	2	0	0	BB	PRT	Online TA
	215	4	2	0	0	BB	ESP	Online TA
	216	4	2	0	0	BB	PRT	Offline TA/TO
	217	4	2	0	0	BB	PRT	Online TA
	218	1	1	0	0	BB	PRT	Offline TA/TO
	219	1	2	0	0	BB	PRT	Corporate
	220	1	2	0	0	BB	PRT	Corporate
	221	2	2	0	0	BB	CHE	Corporate
	222	4	2	0	0	BB	PRT	Direct
	223	4	2	0	0			
		5				BB	PRT	Direct
	224		2	1	0	HB	PRT	Offline TA/TO
	225	5	2	0	0	BB	GBR	Online TA
	226	5	2	0	0	HB	GBR	Offline TA/TO
	227	5	2	0	0	HB	PRT	Online TA
	228	6	3	0	0	BB	IRL	Direct
	229	7	3	0	0	BB	DNK	Online TA
	230	7	2	0	0	BB	DNK	Online TA
	231	1	2	2	0	BB	PRT	Online TA
	232	2	3	0	0	BB	ARG	Direct
	233	2	2	2	0	BB	PRT	Direct
	234	3	2	0	0	BB	PRT	Direct
	235	3	2	2	0	BB	PRT	Online TA
	236	3	2	2	0	BB	PRT	Online TA
	237	3	2	0	1	BB	PRT	Online TA
	238	3	2	0	0	BB	PRT	Online TA
	239	3	2	0	0	BB	PRT	Online TA
##	240	3	1	0	0	BB	RUS	Direct
##	241	3	2	0	0	BB	SWE	Online TA
##	242	3	2	0	0	BB	POL	Offline TA/TO
##	243	5	2	0	0	BB	FRA	Offline TA/TO
##	244	5	2	0	0	BB	GBR	Offline TA/TO
##	245	5	2	0	0	BB	GBR	Offline TA/TO
##	246	5	2	0	0	HB	GBR	Offline TA/TO
##	247	5	2	0	0	HB	PRT	Online TA
##	248	6	2	0	0	HB	PRT	Online TA
##	249	1	2	0	0	BB	USA	Direct
	250	2	2	0	0	BB	PRT	Online TA
	251	2	2	0	0	BB	PRT	Online TA
	252	2	2	0	0	BB	PRT	Online TA
	253	2	2	0	0	BB	PRT	Online TA
	254	2	2	0	0	BB	PRT	Online TA
	255	2	2	1	0	HB	PRT	Online TA
	256	2	2	0	0	BB	PRT	Online TA
	257	2	2	0	0	BB	PRT	Online TA
	258	2	2	0	0	BB	GBR	Online TA
	259	2	2	0	0	BB	AUS	Direct
	260	2	2	0	0	BB	GBR	Online TA
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		_	_	_	_			
	261	2	2	0	0	FB	PRT	Direct
##	262	2	2	0	0	FB	PRT	Direct
##	263	3	2	0	0	BB	PRT	Online TA
##	264	3	2	0	0	BB	POL	Online TA
##	265	3	2	0	2	HB	PRT	Direct
##	266	3	2	2	0	BB	EST	Online TA
##	267	5	2	0	0	HB	PRT	Online TA
##	268	5	2	0	0	HB	PRT	Direct
##	269	5	2	0	0	HB	PRT	Online TA
##	270	5	2	0	0	HB	PRT	Online TA
##	271	5	1	0	0	HB	RUS	Offline TA/TO
##	272	5	2	1	0	HB	GBR	Online TA
	273	5	2	1	1	FB	PRT	Offline TA/TO
	274	6	3	1	0	BB	PRT	Direct
	275	7	2	0	0	BB	IRL	Online TA
	276	7	2	0	0	BB	PRT	Online TA
	277	7	2	0	1	BB	GBR	Online TA
	278	9	2	0	0	BB	DNK	Online TA
	279	5	2	1	0	HB	GBR	Online TA
	280	5	2	0	0	HB	GBR	Online TA
	281	3	2	1	0	HB	PRT	Offline TA/TO
	282	3	2	0	0	BB	ESP	Online TA
	283	4	2	0	1	BB	PRT	Direct
	284	4	2	0	0	BB	PRT	Online TA
	285	4	3	0	0	HB	PRT	Offline TA/TO
	286	4	2	0	0	BB	ESP	Online TA
	287	5	2	0	0	BB	PRT	Direct
	288	5	2	0	0	BB	PRT	Online TA
	289	2	2	0	0	BB	GBR	Online TA
	290	2	2	0	0	BB	PRT	Online TA
	291	2	2	0	0	BB	CZE	Online TA
	292	1	1	0	0	BB	GBR	Direct
	293	1	2	0	0	HB	DEU	Online TA
	294	1	2	0	0	BB	ESP	Direct
	295	1	2	0	0	BB	ESP	Online TA
	296	1	2	0	0	HB	PRT	
	297	1	2	0	0	BB	ESP	Corporate Offline TA/TO
	298	1	2	0	0		ROU	Online TA
	299	1	2	0	0	BB BB	PRT	Online TA
##	299	distribution_channel						
##	1	Direct	rs_repe	o o	brevio	ous_c	ancerrac	0
##		Direct		0				0
##		Direct		0				0
##		Corporate		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##		Direct		0				0
##		Direct		0				0
##		TA/TO		0				0
##		TA/TO		0				0
##								
##		TA/TO TA/TO		0				0
##								
		TA/TO		0				0
##	14	TA/TO		0				0

##	15	TA/TO	0 0
	16	TA/TO	0 0
##		TA/TO	
			0 0
	18	TA/TO	0 0
	19	Corporate	0 0
##		Direct	0 0
##		TA/TO	0 0
##		Direct	0 0
##		Direct	0 0
##		Direct	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##	30	TA/TO	0 0
##	31	Direct	0 0
	32	TA/TO	0 0
##		Direct	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
##		Direct	0 0
##		TA/TO	0 0
##	42	TA/TO	0 0
##	43	Direct	0 0
##		Direct	0 0
##		TA/TO	0 0
##	46	TA/TO	0 0
##	47	TA/TO	0 0
##	48	TA/TO	0 0
##		TA/TO	0 0
##		TA/TO	0 0
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##	54	TA/TO	0 0
##	55	TA/TO	0 0
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##	57	Direct	0 0
##	58	TA/TO	0 0
##	59	Direct	0 0
##	60	TA/TO	0 0
##		TA/TO	0 0
##	62	TA/TO	0 0
##	63	Direct	0 0
##	64	TA/TO	0 0
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	77	TA/TO	0	0
	78	TA/TO	Ö	0
	79	TA/TO	0	0
	80	TA/TO	0	0
	81	TA/TO		0
			0	
	82	TA/TO	0	0
##		TA/TO	0	0
##		Direct	0	0
##		TA/TO	0	0
	86	TA/TO	0	0
##		TA/TO	0	0
##		TA/TO	0	0
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	97	TA/TO	0	0
	98	TA/TO	0	0
	99	TA/TO	0	0
	100	Direct	0	0
	101	Direct	0	0
	102	TA/TO	Ö	0
	103	TA/TO	0	0
	104	TA/TO	0	0
	105	TA/TO	0	0
		TA/TO	0	0
	106			
	107	Direct	0	0
	108	TA/TO	0	0
	109	TA/TO	0	0
	110	TA/TO	0	0
	111	TA/TO	0	0
	112	TA/TO	0	0
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##	118	TA/TO	0	0
##	119	Direct	0	0
##	120	TA/TO	0	0
##	121	TA/TO	0	0
	122	TA/TO	0	0
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##	123	Direct	0	0
	124	TA/TO	0	0
	125	TA/TO	0	0
	126	Direct	0	0
##	127	TA/TO	0	0
##	128	TA/TO	0	0
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	136	TA/TO	0	0
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	140	Direct	0	0
	141	TA/TO	0	0
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	143	TA/TO	0	0
	144 145	TA/TO	0 0	0
	146	TA/TO TA/TO	0	0
	147	TA/TO	0	0
	148	TA/TO	0	0
	149	TA/TO	0	0
	150	TA/TO	0	0
	151	Direct	0	0
	152	TA/TO	0	0
	153	TA/TO	0	0
	154	TA/TO	0	0
##	155	TA/TO	0	0
##	156	TA/TO	0	0
##	157	Direct	0	0
##	158	TA/TO	0	0
	159	TA/TO	0	0
	160	TA/TO	0	0
	161	TA/TO	0	0
	162	TA/TO	0	0
	163	TA/TO	0	0
	164	TA/TO	0	0
	165	Direct	0	0
	166	TA/TO	0	0
	167	TA/TO	0	0
	168	TA/TO	0	0
	169 170	Direct Direct	0 0	0
	171	TA/TO	0	0
	172	TA/TO	0	0
	173	TA/TO	0	0
	174	TA/TO	0	0
	175	TA/TO	0	0
	176	TA/TO	0	0
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##	177	TA/TO	0	0
##	178	Direct	0	0
##	179	TA/TO	0	0
	180	TA/TO	0	0
##	181	TA/TO	0	0
##	182	TA/TO	0	0
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##	184	TA/TO	0	0
##	185	TA/TO	0	0
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##	195	TA/TO	0	0
##	196	Direct	0	0
##	197	Direct	0	0
##	198	TA/TO	0	0
##	199	TA/TO	0	0
##	200	Direct	0	0
##	201	TA/TO	0	0
	202	TA/TO	0	0
	203	TA/TO	0	0
##	204	TA/TO	0	0
	205	Direct	0	0
	206	TA/TO	0	0
	207	TA/TO	0	0
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	210	TA/TO	0	0
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##	214	TA/TO	0	0
##	215	TA/TO	0	0
##	216	TA/TO	0	0
	217	TA/TO	0	0
	218	TA/TO	0	0
	219	Corporate	0	0
	220	Corporate	0	0
	221	Corporate	0	0
	222	Direct	0	0
	223	Direct	0	0
	224	TA/TO	0	0
	225	TA/TO	0	0
	226	TA/TO	0	0
	227	TA/TO	0	0
	228	Direct	0	0
	229	TA/TO	0	0
	230	TA/TO	0	0
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##	231	TA/TO	0 0
	232	Direct	0 0
	233	Direct	0 0
	234		
		Direct	
	235	TA/TO	0 0
	236	TA/TO	0 0
	237	TA/TO	0 0
	238	TA/TO	0 0
	239	TA/TO	0 0
	240	Direct	0 0
	241	TA/TO	0 0
	242	TA/TO	0 0
	243	TA/TO	0 0
	244	TA/TO	0 0
	245	TA/TO	0 0
	246	TA/TO	0 0
	247	TA/TO	0 0
	248	TA/TO	0 0
	249	Direct	0 0
	250	TA/TO	0 0
	251	TA/TO	0 0
	252	TA/TO	0 0
	253	TA/TO	0 0
	254	TA/TO	0 0
	255	TA/TO	0 0
	256	TA/TO	0 0
	257	TA/TO	0 0
	258	TA/TO	0 0
	259	Direct	0 0
	260	TA/TO	0 0
	261	Direct	0 0
	262	Direct	0 0
	263	TA/TO	0 0
	264	TA/TO	0 0
	265	Direct	0 0
	266	TA/TO	0 0
	267	TA/TO	0 0
	268	Direct	0 0
	269	TA/TO	0 0
	270	TA/TO	0 0
	271	TA/TO	0 0
	272	TA/TO	0 0
	273	TA/TO	0 0
	274	Direct	0 0
	275	TA/TO	0 0
	276	TA/TO	0 0
	277	TA/TO	0 0
	278	TA/TO	0 0
	279	TA/TO	0 0
	280	TA/TO	0 0
	281	TA/TO	0 0
	282	TA/TO	0 0
	283	TA/TO	0 0
##	284	TA/TO	0 0

```
## 285
                         TA/TO
                                                                             0
## 286
                         TA/TO
                                                   0
                                                                             0
## 287
                        Direct
                                                   0
                                                                             0
## 288
                         TA/TO
                                                   0
                                                                             0
## 289
                         TA/TO
                                                   0
                                                                             0
                         TA/TO
## 290
                                                   0
                                                                             0
## 291
                         TA/TO
                                                   0
                                                                             0
## 292
                                                                             0
                        Direct
                                                   0
## 293
                         TA/TO
                                                   0
                                                                             0
## 294
                        Direct
                                                   0
                                                                             0
## 295
                         TA/TO
                                                   0
                                                                             0
## 296
                    Corporate
                                                   0
                                                                             0
## 297
                         TA/TO
                                                   0
                                                                             0
                         TA/TO
## 298
                                                   0
                                                                             0
## 299
                         TA/TO
                                                   0
        \verb|previous_bookings_not_canceled reserved_room_type assigned_room_type|
##
## 1
                                         0
                                                               С
                                                                                     С
## 2
                                         0
                                                               С
                                                                                     С
## 3
                                         0
                                                               Α
                                                                                     С
                                         0
## 4
                                                               Α
                                                                                     Α
## 5
                                         0
                                                               Α
                                                                                     Α
## 6
                                         0
                                                               Α
                                                                                     Α
## 7
                                         0
                                                               С
                                                                                     С
## 8
                                         0
                                                               C
                                                                                     C
## 9
                                         0
                                                               Α
                                                                                     Α
## 10
                                         0
                                                               D
                                                                                     D
## 11
                                         0
                                                               Е
                                                                                     Е
## 12
                                         0
                                                               D
                                                                                     D
## 13
                                         0
                                                               D
                                                                                     Ε
## 14
                                         0
                                                               G
                                                                                     G
                                         0
                                                               Ε
                                                                                     Ε
## 15
## 16
                                         0
                                                               D
                                                                                     Ε
## 17
                                         0
                                                               Е
                                                                                     Ε
## 18
                                         0
                                                                                     Е
                                                               Α
                                                                                     G
## 19
                                         0
                                                               Α
## 20
                                         0
                                                               G
                                                                                     G
## 21
                                                               F
                                         0
                                                                                     F
## 22
                                         0
                                                               Α
                                                                                     Α
## 23
                                         0
                                                               Α
                                                                                     Α
## 24
                                         0
                                                               D
                                                                                     D
## 25
                                         0
                                                               D
                                                                                     Ι
## 26
                                         0
                                                               D
                                                                                     D
## 27
                                         0
                                                               D
                                                                                     D
## 28
                                         0
                                                               Ε
                                                                                     Ε
## 29
                                         0
                                                               Α
                                                                                     Α
                                         0
## 30
                                                               D
                                                                                     D
## 31
                                         0
                                                               Α
                                                                                     Α
                                         0
                                                               D
## 32
                                                                                     D
## 33
                                         0
                                                               Ε
                                                                                     Ε
## 34
                                         0
                                                                                     С
                                                               Α
## 35
                                         0
                                                               D
                                                                                     D
## 36
                                         0
                                                               D
                                                                                     D
## 37
                                         0
                                                                                     С
                                                               Α
## 38
                                         0
                                                               D
                                                                                     D
```

##		0	D	D
##		0	E	E
##		0	G	G
##		0	D	D
##		0	F	F
##		0	E	Ε
##		0	A	Α
##		0	G	G
##		0	A	Α
##	48	0	E	Ε
##		0	A	В
##	50	0	E	F
##	51	0	D	D
##	52	0	A	Α
##	53	0	D	D
##	54	0	A	C
##	55	0	H	Н
##	56	0	C	С
##	57	0	H	Н
##	58	0	A	D
##	59	0	G	G
##	60	0	A	С
##	61	0	G	G
##	62	0	E	E
##	63	0	F	F
##		0	A	С
##		0	A	Α
##		0	G	Н
##		0	A	С
##		0	D	D
##		0	A	Α
##		0	A	Α
##		0	D	D
##		0	A	Α
##		0	A	Α
##		0	A	Α
##		0	A	Α
##		0	A	Α
##		0	E	Е
##		0	A	Α
##		0	A	Α
##		0	D	D
##		0	A	A
##		0	A	A
##		0	A	A
##		0	A	A
##		0	E	E
##		0	E	E
##		0	F	F
##		0	A	A
##		0	A	C
##		0	A	C
##		0	A	C
##				
##	32	0	E	Е

##	93	0	C	C
##	94	0	A	Α
##	95	0	A	Α
##	96	0	A	Α
##	97	0	F	F
##		0	E	Ε
##		0	D	D
	100	0	E	E
	101	0	A	C
	102	0	D	D
	103	0	F	F
	104	0	A	С
	105	0	E	E
	106	0	Н	Н
	107	0	D	D
	108		A	
	109	0	A	A
		0		A
	110	0	A	A
	111	0	D	D
	112	0	E	F
	113	0	A	A
	114	0	E	Е
	115	0	E	E
	116	0	A	A
	117	0	D	D
	118	0	D	D
	119	0	D	D
	120	0	Н	G
	121	0	D	C
	122	0	A	A
	123	0	E	G
	124	0	A	A
	125	0	D	D
	126	0	H	H
	127	0	E	E
	128	0	A	C
	129	0	A	A
	130	0	A	A
	131	0	A	C
	132	0	A	С
	133	0	D	D
	134	0	A	С
	135	0	A	A
	136	0	A	D
	137	0	A	E
	138	0	A	A
	139	0	D ~	D
	140	0	G	G
	141	0	G	G
	142	0	D	E
	143	0	D	D
	144	0	A	D
	145	0	E	Ε
##	146	0	E	E

##	147	0	H	Н
##	148	0	A	Α
##	149	0	H	Н
##	150	0	D	D
##	151	0	C	C
##	152	0	F	F
##	153	0	A	Α
##	154	0	E	E
##	155	0	Н	Н
##	156	0	D	D
##	157	0	D	C
##	158	0	D	D
##	159	0	A	Α
##	160	0	D	D
	161	0	G	G
	162	0	A	C
	163	0	G	G
	164	0	D	D
	165	0	G	G
	166	0	D	E
	167	0	G	G
	168	0	A	Н
	169	0	E	Н
	170	0	A	E
	171	0	A	E
	172	0	D	F
	173	0	D	D
	174	0	E	E
	175	0	A	E
	176	0	A	C
	177	0	E	Ē
	178	0	F	F
	179	0	A	C
	180	0	E	E
	181	0	G	G
	182	0	A	Ā
	183	0	A	A
	184	0	A	C
	185	0	D	D
	186	0	A	A
	187	0	D	D
	188	0	F	F
	189	0	D	D
	190	0	A	A
	191	0	D	D
	192	0	A	A
	193	0	D	D
	194	0	A	A
	195	0	A	A
	196	0	F	F
	197	0	A	A
	198	0	A	E
	199	0	A	A
	200	0	C	C
irπ	200		~	J

	224			
	201	0	A	Α
	202	0	Н	Н
##	203	0	D	D
##	204	0	D	E
##	205	0	A	Α
##	206	0	A	Α
	207	0	Е	E
	208	0	D	D
	209	0	A	A
	210	0	D	D
	211	0	E	E
	212	0	A	A
	213	0	A	Α
	214	0	A	Α
##	215	0	D	D
##	216	0	A	Α
##	217	0	A	Α
##	218	0	A	Α
##	219	0	A	Α
##	220	0	A	Α
	221	0	A	F
	222	0	A	A
	223	0	E	E
	224	0	D	D
	225		E	F
		0		
	226	0	D	D
	227	0	E	E
	228	0	A	A
	229	0	E	E
	230	0	E	Ε
##	231	0	C	C
##	232	0	A	C
##	233	0	H	G
##	234	0	D	D
##	235	0	C	С
	236	0	G	G
	237	0	A	Α
	238	0	A	A
	239	0	A	A
	240	0	A	A
	241	0	A	A
	242			
		0	A	A
	243	0	A	D
	244	0	A	A
	245	0	E	E
	246	0	Е	E
	247	0	A	A
	248	0	A	Α
	249	0	A	Α
##	250	0	A	Α
##	251	0	A	Α
	252	0	A	Α
	253	0	A	Α
	254	0	A	Α

##	255				0		G		G
##	256				0		D		D
##	257				0		A		Α
##	258				0		C		C
##	259				0		A		C
##	260				0		E		Ε
##	261				0		F		F
##	262				0		F		F
##	263				0		E		Ε
##	264				0		A		Α
##	265				0		C		C
##	266				0		G		G
##	267				0		A		Α
##	268				0		D		D
##	269				0		D		D
##	270				0		E		Ε
##	271				0		E		Ε
##	272				0		F		F
##	273				0		C		С
##	274				0		C		С
##	275				0		A		Α
##	276				0		D		D
##	277				0		F		F
##	278				0		C		С
##	279				0		D		D
##	280				0		F		F
##	281				0		A		Α
##	282				0		A		Α
##	283				0		A		Α
##	284				0		E		Ε
##	285				0		D		D
##	286				0		A		Α
##	287				0		E		Ε
##	288				0		A		Α
##	289				0		E		Ε
	290				0		E		E
##	291				0		E		Ε
##	292				0		A		Α
	293				0		A		A
	294				0		G		G
	295				0		A		A
	296				0		A		A
	297				0		A		A
	298				0		C		С
	299				0		E		F
##							days_in_waiting_		
##		3		Deposit	NULL	NULL		0	
##		4		Deposit	NULL	NULL		0	
##		0		Deposit	NULL	NULL		0	
##		0		Deposit	304	NULL		0	
##		0		Deposit	240	NULL		0	
##		0		Deposit	240	NULL		0	
	7	0		Deposit	NULL	NULL		0	
##	8	0	No	${\tt Deposit}$	303	NULL		0	

## 9 ## 10 ## 11 ## 12 ## 13 ## 14 ## 15 ## 16 ## 17 ## 18 ## 19 ## 20	0 0 0 0 0 1 0	No Deposit No Deposit No Deposit No Deposit	240 15 240	NULL	•
## 11 ## 12 ## 13 ## 14 ## 15 ## 16 ## 17 ## 18 ## 19	0 0 0 1	No Deposit No Deposit			0
## 12 ## 13 ## 14 ## 15 ## 16 ## 17 ## 18 ## 19	0 0 1 0	No Deposit	240	NULL	0
## 13 ## 14 ## 15 ## 16 ## 17 ## 18 ## 19	0 1 0			NULL	0
## 14 ## 15 ## 16 ## 17 ## 18 ## 19	1 0	No Deposit	240	NULL	0
## 15 ## 16 ## 17 ## 18 ## 19	0	1	240	NULL	0
## 16 ## 17 ## 18 ## 19		No Deposit	241	NULL	0
## 17 ## 18 ## 19	0	No Deposit	241	NULL	0
## 18 ## 19	•	No Deposit	240	NULL	0
## 19	0	No Deposit	8	NULL	0
	0	No Deposit	240	NULL	0
## 20	0	No Deposit	NULL	110	0
	0	No Deposit	250	NULL	0
## 21	0	No Deposit	241	NULL	0
## 22	1	No Deposit	250	NULL	0
## 23	1	No Deposit	250	NULL	0
## 24	1	No Deposit	250	NULL	0
## 25	0	No Deposit	115	NULL	0
## 26	0	No Deposit	5	NULL	0
## 27	0	No Deposit	8	NULL	0
## 28	0	No Deposit	240	NULL	0
## 29	0	No Deposit	240	NULL	0
## 30	0	No Deposit	240	NULL	0
## 31 ## 32	2	No Deposit	NULL	NULL	0
## 32 ## 33	0	No Deposit	241 NULL	NULL NULL	0
## 33 ## 34	0	No Deposit	175	NULL	0
## 35	0	No Deposit	241	NULL	0
## 36	0	No Deposit	241	NULL	0
## 37	0	No Deposit	240	NULL	0
## 38	0	No Deposit	241	NULL	0
## 39	0	No Deposit	241	NULL	0
## 40	0	No Deposit	250	NULL	0
## 41	0	No Deposit	241	NULL	0
## 42	0	No Deposit	8	NULL	0
## 43	0	No Deposit	NULL	NULL	0
ππ ии	^	No Deposit	250	NULL	0
## 44	0	Doposio		NITIT T	^
## 44 ## 45	0	No Deposit	240	NULL	0
			240 240	NULL	0
## 45	0	No Deposit			
## 45 ## 46	0	No Deposit No Deposit	240	NULL	0
## 45 ## 46 ## 47	0 0 0 0	No Deposit No Deposit No Deposit No Deposit	240 134 156 243	NULL NULL NULL NULL	0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50	0 0 0 0 1 1	No Deposit No Deposit No Deposit No Deposit No Deposit	240 134 156 243 241	NULL NULL NULL NULL	0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51	0 0 0 0 1 1	No Deposit No Deposit No Deposit No Deposit No Deposit No Deposit	240 134 156 243 241 156	NULL NULL NULL NULL NULL	0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52	0 0 0 0 1 1 0	No Deposit	240 134 156 243 241 156 156	NULL NULL NULL NULL NULL NULL	0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53	0 0 0 0 1 1 0 0	No Deposit	240 134 156 243 241 156 156 243	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54	0 0 0 0 1 1 1 0 0	No Deposit	240 134 156 243 241 156 156 243 240	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55	0 0 0 0 1 1 1 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55 ## 56	0 0 0 1 1 1 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240 NULL	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55 ## 56 ## 57	0 0 0 1 1 1 0 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240 NULL NULL	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55 ## 56 ## 57 ## 58	0 0 0 1 1 1 0 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240 NULL NULL 240	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55 ## 56 ## 57 ## 58 ## 59	0 0 0 0 1 1 1 0 0 0 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240 NULL NULL 240 NULL	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55 ## 56 ## 57 ## 58 ## 59 ## 60	0 0 0 1 1 1 0 0 0 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240 NULL NULL 240 NULL 242	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0 0 0 0
## 45 ## 46 ## 47 ## 48 ## 49 ## 50 ## 51 ## 52 ## 53 ## 54 ## 55 ## 56 ## 57 ## 58 ## 59	0 0 0 0 1 1 1 0 0 0 0 0 0	No Deposit	240 134 156 243 241 156 156 243 240 240 NULL NULL 240 NULL	NULL NULL NULL NULL NULL NULL NULL NULL	0 0 0 0 0 0 0 0 0 0

##		0		Deposit	250	NULL	0
##	64	0		Deposit	115	NULL	0
##	65	0		Deposit	240	NULL	0
##	66	0		Deposit	240	NULL	0
##	67	0		Deposit	240	NULL	0
##	68	0	No	Deposit	242	NULL	0
##	69	0	No	Deposit	242	NULL	0
##	70	0	No	Deposit	240	NULL	0
##	71	0		Deposit	240	NULL	0
##	72	0		Deposit	240	NULL	0
##	73	0		Deposit	3	NULL	0
##	74	0		Deposit	240	NULL	0
##	75	0		Deposit	242	NULL	0
##	76	0	No	Deposit	240	NULL	0
##	77	0	No	Deposit	240	NULL	0
##	78	0	No	Deposit	240	NULL	0
##	79	0	No	Deposit	105	NULL	0
##	80	0		Deposit	5	NULL	0
	81	0	No	Deposit	40	NULL	0
	82	0	No	Deposit	40	NULL	0
	83	0	No	Deposit	40	NULL	0
	84	2	No	Deposit	250	NULL	0
	85	0	No	Deposit	115	NULL	0
	86	0	No	Deposit	40	NULL	0
	87	1	No	Deposit	241	NULL	0
##	88	0	No	Deposit	242	NULL	0
##		0	No	Deposit	240	NULL	0
##	90	0	No	Deposit	240	NULL	0
##	91	0	No	Deposit	240	NULL	0
##	92	0	No	Deposit	240	NULL	0
##	93	0	No	Deposit	241	NULL	0
##	94	0	No	Deposit	240	NULL	0
##	95	0		Deposit	240	NULL	0
##	96	0	No	Deposit	240	NULL	0
##	97	0		Deposit	242	NULL	0
##	98	0	No	Deposit	105	NULL	0
##		0		Deposit	240	NULL	0
	100	0		Deposit	250	NULL	0
	101	0		Deposit	250	NULL	0
	102	0		Deposit	8	NULL	0
	103	0		Deposit	241	NULL	0
	104	0		Deposit	240	NULL	0
	105	0		Deposit	240	NULL	0
##	106	0		Deposit	240	NULL	0
##	107	0		Deposit	250	NULL	0
##	108	0		Deposit	240	NULL	0
##	109	0		Deposit	134	NULL	0
##	110	0		Deposit	240	NULL	0
##	111	0		Deposit	240	NULL	0
	112	0		Deposit	240	NULL	0
	113	0		Deposit	147	NULL	0
	114	0		Deposit	241	NULL	0
	115	0		Deposit	240	NULL	0
##	116	0	No	Deposit	240	NULL	0

##	117	0	No	Deposit	40	NULL	0
##	118	0	No	Deposit	40	NULL	0
##	119	1	No	Deposit	250	NULL	0
##	120	1	No	Deposit	240	NULL	0
##	121	0	No	Deposit	8	NULL	0
##	122	0	No	Deposit	240	NULL	0
##	123	1	No	Deposit	250	NULL	0
##	124	0	No	Deposit	240	NULL	0
##	125	0	No	Deposit	240	NULL	0
##	126	2	No	Deposit	NULL	NULL	0
##	127	0	No	Deposit	240	NULL	0
##	128	0	No	Deposit	240	NULL	0
##	129	0	No	Deposit	240	NULL	0
##	130	0	No	Deposit	240	NULL	0
##	131	0	No	Deposit	240	NULL	0
##	132	0	No	Deposit	240	NULL	0
##	133	0	No	Deposit	240	NULL	0
##	134	1	No	Deposit	306	NULL	0
##	135	0	No	Deposit	184	NULL	0
##	136	0	No	Deposit	240	NULL	0
##	137	0	No	Deposit	240	NULL	0
##	138	0	No	Deposit	184	NULL	0
##	139	0	No	Deposit	240	NULL	0
##	140	0	No	Deposit	NULL	NULL	0
##	141	3	No	Deposit	240	NULL	0
##	142	0	No	Deposit	240	NULL	0
##	143	0	No	Deposit	240	NULL	0
##	144	0	No	Deposit	241	NULL	0
##	145	0	No	Deposit	240	NULL	0
##	146	0	No	Deposit	240	NULL	0
##	147	0	No	Deposit	240	NULL	0
##	148	0	No	Deposit	240	NULL	0
##	149	0	No	Deposit	240	NULL	0
##	150	0	No	Deposit	15	NULL	0
##	151	1	No	Deposit	250	NULL	0
##	152	0		Deposit	241	NULL	0
##	153	0		Deposit	240	NULL	0
	154	0		Deposit	175	NULL	0
	155	1		Deposit	240	NULL	0
	156	0		Deposit	5	NULL	0
	157	3		Deposit	NULL	NULL	0
	158	0		Deposit	40	NULL	0
	159	0		Deposit	40	NULL	0
	160	0		Deposit	243	NULL	0
	161	1		Deposit	240	NULL	0
	162	0		Deposit	240	NULL	0
	163	0		Deposit	241	NULL	0
	164	0		Deposit	96	NULL	0
	165	0		Deposit	250	NULL	0
	166	1		Deposit	240	NULL	0
	167	0		Deposit	241	NULL	0
	168	0		Deposit	240	NULL	0
	169	0		Deposit	250	NULL	0
##	170	0	No	Deposit	NULL	NULL	0

##	171	0	No	Deposit	240	NULL	0
##	172	0	No	Deposit	240	NULL	0
##	173	0	No	Deposit	240	NULL	0
##	174	0	No	Deposit	240	NULL	0
##	175	0	No	Deposit	175	NULL	0
##	176	1	No	Deposit	240	NULL	0
##	177	0	No	Deposit	240	NULL	0
##	178	0	No	Deposit	250	NULL	0
##	179	0	No	Deposit	240	NULL	0
##	180	1	No	Deposit	240	NULL	0
##	181	0	No	Deposit	240	NULL	0
##	182	0	No	Deposit	175	NULL	0
##	183	0	No	Deposit	2	NULL	0
##	184	0	No	Deposit	240	NULL	0
##	185	0	No	Deposit	240	NULL	0
##	186	0	No	Deposit	242	NULL	0
##	187	1	No	Deposit	241	NULL	0
##	188	5		Deposit	250	NULL	0
	189	0		Deposit	156	NULL	0
	190	1		Deposit	NULL	NULL	0
	191	0		Deposit	8	NULL	0
	192	0		Deposit	40	NULL	0
	193	0		Deposit	127	NULL	0
	194	0		Deposit	240	NULL	0
	195	0		Deposit	240	NULL	0
	196	0		Deposit	250	NULL	0
	197	0		Deposit	NULL	NULL	0
	198	0		Deposit	240	NULL	0
	199	0		Deposit	240	NULL	0
	200	0		Deposit	NULL	NULL	0
	201	0		Deposit	240	NULL	0
	202	2		Deposit	240	NULL	0
	203	0		Deposit	240	NULL	0
	204	0		Deposit	95	NULL	0
## ##	205 206	2		Deposit	NULL 134	NULL NULL	0
	207	0		Deposit	240	NULL	0
	208	0		Deposit Deposit	8	NULL	0
	209	0		Deposit	2	NULL	0
	210	0		Deposit	156	NULL	0
	211	0		Deposit	240	NULL	0
	212	0		Deposit	240	NULL	0
	213	0		Deposit	240	NULL	0
	214	0		Deposit	240	NULL	0
	215	0		Deposit	240	NULL	0
	216	0		Deposit	105	NULL	0
	217	0		Deposit	240	NULL	0
	218	0		Deposit	146	NULL	0
	219	0		Deposit	NULL	110	0
	220	0		Deposit	NULL	110	0
	221	0		Deposit	NULL	110	0
	222	0		Deposit	9	NULL	0
	223	1		Deposit	250	NULL	0
	224	0		Deposit	40	NULL	0
				-			

	225	0	Deposit	240	NULL	0
##	226	0	Deposit	40	NULL	0
##	227	0	Deposit	240	NULL	0
##	228	0	Deposit	250	NULL	0
##	229	1	Deposit	240	NULL	0
##	230	0	Deposit	240	NULL	0
##	231	0	Deposit	242	NULL	0
##	232	0	Deposit	250	NULL	0
##	233	2	Deposit	NULL	NULL	0
##	234	0	Deposit	250	NULL	0
##	235	0	Deposit	242	NULL	0
##	236	0	Deposit	240	NULL	0
##	237	0	Deposit	240	NULL	0
##	238	0	Deposit	240	NULL	0
##	239	0	Deposit	240	NULL	0
##	240	0	Deposit	250	NULL	0
##	241	0	Deposit	241	NULL	0
	242	0	Deposit	177	NULL	0
	243	0	Deposit	6	NULL	0
	244	0	Deposit	40	NULL	0
	245	0	Deposit	143	NULL	0
	246	0	Deposit	40	NULL	0
	247	0	Deposit	240	NULL	0
	248	0	Deposit	240	NULL	0
	249	0	Deposit	250	NULL	0
	250	0	Deposit	240	NULL	0
	251	0	Deposit	240	NULL	0
	252	0	Deposit	240	NULL	0
	253	0	Deposit	240	NULL	0
	254	0	Deposit	240	NULL	0
	255	2	Deposit	240	NULL	0
	256	1	Deposit	240	NULL	0
	257	0	Deposit	240	NULL	0
	258	0	Deposit	105	NULL	0
##	259260	0	Deposit	250 240	NULL NULL	0
	261	0	Deposit Deposit	NULL	NULL	0
	262	0	Deposit	NULL	NULL	0
	263	0	Deposit	240	NULL	0
	264	0	Deposit	240	NULL	0
	265	1	Deposit	250	NULL	0
	266	0	Deposit	240	NULL	0
	267	1	Deposit	240	NULL	0
	268	1	Deposit	250	NULL	0
	269	1	Deposit	240	NULL	0
	270	1	Deposit	240	NULL	0
	271	2	Deposit	244	NULL	0
	272	0	Deposit	241	NULL	0
	273	0	Deposit	5	NULL	0
	274	0	Deposit	250	NULL	0
	275	0	Deposit	240	NULL	0
	276	0	Deposit	240	NULL	0
	277	0	Deposit	241	NULL	0
	278	0	Deposit	241	NULL	0
		-	 			-

```
## 279
                           No Deposit
                                         241
                                                NULL
## 280
                      0
                                         241
                                                NULL
                          No Deposit
## 281
                      0
                           No Deposit
                                         149
                                                NULL
## 282
                      0
                          No Deposit
                                         240
                                                NULL
## 283
                      1
                           No Deposit
                                         240
                                                NULL
## 284
                           No Deposit
                                         240
                                                NULL
                      0
## 285
                      0
                           No Deposit
                                          15
                                                NULL
## 286
                                                NULL
                      0
                           No Deposit
                                         240
## 287
                      0
                           No Deposit
                                         250
                                                NULL
## 288
                      0
                           No Deposit
                                         240
                                                NULL
## 289
                      0
                           No Deposit
                                         241
                                                NULL
## 290
                                                NULL
                      0
                           No Deposit
                                         240
## 291
                           No Deposit
                                         240
                                                NULL
                      1
## 292
                                        NULL
                                                NULL
                      0
                           No Deposit
## 293
                           No Deposit
                                         240
                                                NULL
                      1
## 294
                      0
                           No Deposit
                                        NULL
                                                NULL
## 295
                      0
                                         240
                                                NULL
                           No Deposit
## 296
                      0
                           No Deposit
                                        NULL
                                                 113
## 297
                      0
                           No Deposit
                                                NULL
                                         175
## 298
                      0
                           No Deposit
                                         242
                                                NULL
                                         240
## 299
                      0
                          No Deposit
                                                NULL
##
                            adr required_car_parking_spaces
         customer_type
## 1
                           0.00
              Transient
## 2
              Transient
                           0.00
                                                            0
## 3
                                                            0
              Transient
                         75.00
## 4
              Transient
                          75.00
                                                            0
## 5
              Transient
                          98.00
                                                            0
## 6
              Transient
                                                            0
                         98.00
## 7
              Transient 107.00
                                                            0
## 8
              Transient 103.00
                                                            0
              Transient 82.00
## 9
                                                            0
## 10
              Transient 105.50
                                                            0
## 11
              Transient 123.00
                                                            0
## 12
              Transient 145.00
                                                            0
## 13
              Transient 97.00
                                                            0
## 14
              Transient 154.77
                                                            0
## 15
              Transient 94.71
                                                            0
## 16
              Transient 97.00
                                                            0
## 17
               Contract
                         97.50
                                                            0
## 18
              Transient 88.20
                                                            0
## 19
              Transient 107.42
                                                            0
## 20
              Transient 153.00
                                                            0
## 21
              Transient
                         97.29
                                                            0
## 22
                                                            0
              Transient
                          84.67
## 23
              Transient
                                                            0
                          84.67
## 24
              Transient
                          99.67
                                                            0
## 25
               Contract
                         94.95
                                                            0
## 26
              Transient
                          63.60
                                                            1
## 27
               Contract
                         79.50
                                                            0
## 28
              Transient 107.00
                                                            0
## 29
                         94.00
                                                            0
              Transient
## 30
              Transient
                         87.30
                                                            1
## 31
              Transient
                         62.00
                                                            0
## 32
              Transient
                         63.86
```

0

0

0

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0

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0

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0

0

0

0

0

0

##	33	Transient	108.30	0
##	34	Transient	65.50	0
##	35	Transient	108.80	0
##	36	Transient	108.80	0
##	37	Transient	98.00	0
##	38	Transient	108.80	0
##	39	Transient	108.80	0
##	40	Transient	137.00	0
##	41	Transient	117.81	0
##	42	Contract	79.50	0
##	43	Transient	123.00	0
##	44	Transient	137.00	0
##	45	Transient	110.70	0
##	46	Transient	153.00	0
##	47	Transient	58.95	0
##	48	Transient-Party	82.88	0
##	49	Contract	82.35	0
##	50	Transient	119.35	0
##	51	Transient-Party	67.58	0
##	52	Contract	56.01	0
##	53	Contract	110.70	0
##	54	Transient	88.20	1
##	55	Transient	147.00	1
##	56	Transient	107.00	1
##	57	Transient	147.00	0
##	58	Transient	117.90	0
##	59	Transient	123.00	0
##	60	Transient	98.00	0
##	61	Transient	117.81	0
##	62	Transient	135.00	1
##	63	Transient	133.00	0
##	64	Contract	58.95	0
##	65	Transient	136.33	0
##	66	Transient	153.00	1
##	67	Transient	110.50	0
##	68	Transient	97.00	0
##	69	Transient	110.30	0
##	70	Transient	82.00	0
##	71	Transient	97.00	0
##	72	Transient	73.80	0
##	73	Transient	91.50	0
##	74	Transient	114.50	0
##	75	Transient	110.30	0
##	76	Transient	90.90	1
##	77	Transient	123.00	0
	78	Transient	122.00	0
##		Transient	110.70	1
##		Transient	85.86	0
##		Contract	58.95	0
##		Contract	55.68	0
##		Contract	55.68	0
	84	Transient		0
	85		111.15	0
	86	Contract		0

#	#	87	Transient	92.45		0
#	#	88	Transient	108.73	1	0
#	#	89	Transient	73.80	1	0
#	#	90	Transient	98.00		1
#	#	91	Transient	131.00	1	0
#	#	92	Transient	123.00	1	0
#	#	93	Transient	94.71	1	0
#	#	94	Transient	123.00	1	0
	#	95	Transient	123.00		0
#	#	96	Transient	73.80	1	0
	#	97	Transient	117.00		0
	#	98	Transient	196.54		0
	#	99	Transient	99.30		1
	#	100	Transient	90.95		0
	#	101	Transient	92.67		0
#	#	102	Transient	71.55		1
#	#	103	Transient	96.49	1	0
	#	104	Transient	85.80		1
	#	105	Transient	96.30		0
	#	106	Transient	163.00		0
	#	107	Transient	172.00		0
	#	108	Transient	110.70		0
	#	109	Transient	58.95		0
	#	110	Transient	73.80		0
	#	111	Transient	97.00		0
	#	112	Transient	139.00		0
	#	113	Transient	67.24		0
	#	114	Transient	116.50		0
	#	115	Transient	96.30		0
	#	116	Transient	123.00		0
	#	117	Contract	71.55		0
	#	118	Contract	71.55		0
	#	119	Transient	149.00		0
	#	120	Transient	163.00		1
	#	121	Contract	79.50		0
	#	122	Transient	105.00		0
	#	123	Transient	123.00		0
		124		73.80		0
		125	Transient			0
		126	Transient	0.00		0
		127		123.00		0
			Transient-Party			1
		129	Transient			0
			Transient-Party	73.80		0
			Transient-Party			0
		132	Transient			0
		133	Transient	97.00		0
		134	Transient	85.10		0
		135	Transient	89.00		0
		136		80.10		0
		137	Transient	98.00		0
		138	Transient			1
		139		97.00		0
Ŧ	#	140	Transient	101.00	'	0

##	141	Transient		
##	142	Transient	97.	00
##	143	Transient	87.	30
##	144	Transient	85.	59
##	145	Transient	123.	00
##	146	Transient	107.	00
##	147	Transient	163.	00
##	148	Transient	82.	00
##	149	Transient	163.	
##	150	Transient	105.	
##	151	Transient	164.	
##	152	Transient	97.	
##	153			
		Transient	114.	
##	154	Transient	98.	
##	155	Transient	175.	
##	156	Transient	63.	
##	157	Transient	124.	45
##	158	Contract	110.	70
##	159	Contract	74.	07
##	160	Contract	134.	10
##	161	Transient	167.	
##	162	Transient	123.	
##	163	Transient	117.	
##	164	Transient	171.	
##	165	Transient	210.	
##	166	Transient	97.	
##	167	Transient	117.	
##	168	Transient	0.	
##	169	Transient	0.	
##	170	Transient	131.	00
##	171	Transient	98.	00
##	172	Transient	87.	30
##	173	Transient	97.	00
##	174	Transient	167.	00
##	175	Transient	91.	
##	176	Transient	73.	
##	177	Transient	123.	
##	178	Transient	175.	
		Transient		
##	179		117.	
##	180	Transient	117.	
##	181	Transient	185.	
##	182	Transient	71.	
##	183	Contract	47.	
##	184	Transient		
##	185	Transient	87.	30
##	186	Transient	120.	60
##	187	Transient	63.	
##	188	Transient	157.	
##	189	Contract	91.	
##	190	Transient	73.	
	190	Contract	110.	
##				
##	192	Contract	93.	
##	193	Transient	83.	
##	194	Transient	73.	୪0

				_
	195	Transient	82.0	
##	196	Transient	185.	
##	197	Transient	0.0	00
##	198	Transient	0.0	00
##	199	Transient	109.8	30
##	200	Transient	195.0	00
##	201	Transient	109.8	30
##	202	Transient	193.0	00
	203	Transient	97.0	
##	204	Transient		
	205	Transient	98.0	
##	206	Transient	91.	
##	207	Transient		
##	208	Transient	79.	
	209	Contract	47.2	
	210	Contract		
##	211	Transient	107.0	00
##	212	Transient	131.0	00
##	213	Transient	131.0	00
##	214	Transient	123.0	00
	215	Transient		
	216	Transient		
	217	Transient	73.8	
	218	Transient	61.0	
	219	Transient		
	220	Transient		
	221	Transient		
	222	Transient	66.4	42
##	223	Transient	77.9	96
##	224	Contract	112.0	00
##	225	Transient	107.0	00
##	226	Contract	89.6	38
	227	Transient		
	228	Transient		
		Transient-Party		
		•		
		Transient-Party		
	231	Transient	123.0	
	232	Transient		
	233	Transient		
##	234	Transient	97.0	00
##	235	Transient	123.0	00
##	236	Transient	153.0	00
##	237	Transient	82.0	00
	238	Transient		
	239	Transient	65.4	
	240	Transient	98.0	
	241	Transient	75.4	
	242	Transient	65.	
	243	Transient	90.9	
	244	Contract	93.6	
##	245	Contract	119.2	25
##	246	Contract	134.	73
##	247	Transient	112.0	00
	040	Transient		
##	248			

```
## 249
             Transient 131.00
                                                          0
## 250
             Transient 88.20
                                                          0
## 251
             Transient 73.80
                                                          0
## 252
             Transient 98.00
                                                          0
## 253
             Transient 110.50
                                                          0
## 254
             Transient 131.00
                                                          0
## 255
             Transient 185.00
                                                          1
## 256
             Transient 87.30
                                                          0
## 257
             Transient 73.80
                                                          0
## 258
                                                          0
             Transient 120.00
## 259
             Transient 98.00
                                                          0
             Transient 96.30
## 260
                                                          0
## 261 Transient-Party 197.00
                                                          0
## 262 Transient-Party 197.00
                                                          0
## 263
             Transient 123.00
                                                          0
## 264
             Transient 82.00
                                                          0
## 265
             Transient 165.00
                                                          1
## 266
             Transient 149.40
                                                          0
## 267
             Transient 106.84
                                                          1
## 268
             Transient 161.00
                                                          1
## 269
             Transient 134.43
                                                          Ω
## 270
             Transient 144.43
                                                          1
## 271
             Transient 152.00
                                                          0
## 272
             Transient 125.54
                                                          0
## 273
                                                          0
             Transient 133.83
## 274
             Transient 159.75
                                                          1
## 275
             Transient 120.60
                                                          0
## 276
             Transient 112.20
                                                          0
## 277
             Transient 110.60
                                                          0
## 278
             Transient 105.90
                                                          0
## 279
             Transient 95.27
                                                          0
## 280
             Transient 108.83
                                                          0
## 281
             Transient 153.96
                                                          0
## 282
             Transient 120.60
                                                          0
             Transient 90.67
## 283
                                                          0
## 284
             Transient 126.67
                                                          0
## 285
             Transient 144.40
                                                          0
## 286
             Transient 99.50
                                                          1
## 287
             Transient 139.40
                                                          0
## 288
             Transient 73.80
                                                          0
## 289
             Transient 89.97
                                                          0
             Transient 123.00
## 290
                                                          0
## 291
             Transient 123.00
                                                          0
## 292
             Transient 123.00
                                                          0
## 293
             Transient 144.90
## 294
             Transient 153.00
                                                          0
## 295
             Transient 131.00
                                                          0
## 296
             Transient 100.00
                                                          1
## 297
             Transient 65.50
                                                          0
## 298
             Transient 123.00
                                                          0
## 299
                                                          0
             Transient 123.00
##
       total_of_special_requests reservation_status reservation_status_date
## 1
                                0
                                           Check-Out
                                                                   01-07-2015
## 2
                                0
                                           Check-Out
                                                                   01-07-2015
```

##	3	0	Check-Out	02-07-2015
##	4	0	Check-Out	02-07-2015
##	5	1	Check-Out	03-07-2015
##	6	1	Check-Out	03-07-2015
##	7	0	Check-Out	03-07-2015
##	8	1	Check-Out	03-07-2015
##	9	1	Canceled	06-05-2015
##	10	0	Canceled	22-04-2015
##	11	0	Canceled	23-06-2015
##	12	0	Check-Out	05-07-2015
##	13	3	Check-Out	05-07-2015
##	14	1	Check-Out	05-07-2015
##	15	0	Check-Out	05-07-2015
##	16	3	Check-Out	05-07-2015
##	17	0	Check-Out	05-07-2015
##	18	0	Check-Out	02-07-2015
##	19	0	Check-Out	02-07-2015
##	20	1	Check-Out	05-07-2015
##	21	1	Check-Out	06-07-2015
##	22	1	Check-Out	07-07-2015
##	23	1	Check-Out	07-07-2015
##	24	1	Check-Out	07-07-2015
##	25	1	Check-Out	01-07-2015
##	26	0	Check-Out	08-07-2015
##	27	0	Check-Out	08-07-2015
##	28	2	Canceled	11-05-2015
##	29	0	Check-Out	08-07-2015
##	30	1	Check-Out	08-07-2015
##	31	2	Check-Out	15-07-2015
##	32	0	Check-Out	16-07-2015
##	33	2	Canceled	29-05-2015
	34	0	Check-Out	08-07-2015
##	35	1	Canceled	19-05-2015
##	36	1	Canceled	19-06-2015
##	37	0	Check-Out	06-07-2015
	38	1	Check-Out	06-07-2015
##	39	0	Canceled	23-05-2015
##	40	1	Check-Out	07-07-2015
##	41	0	Canceled	18-05-2015
	42	0	Check-Out	07-07-2015
	43	0	Check-Out	07-07-2015
##	44	1	Check-Out	07-07-2015
	45	2	Check-Out	09-07-2015
	46	0	Canceled	02-06-2015
	47	1	Check-Out	09-07-2015
	48	2	Check-Out	09-07-2015
	49	0	Check-Out	09-07-2015
	50	1	Check-Out	09-07-2015
	51	2	Check-Out	09-07-2015
	52	0	Check-Out	13-07-2015
	53	0	Check-Out	16-07-2015
	54	0	Check-Out	03-07-2015
##		0	Check-Out	03-07-2015
##	56	2	Check-Out	03-07-2015

##		0	Check-Out	03-07-2015
	58	2	Check-Out	03-07-2015
	59	0	Check-Out	03-07-2015
	60	1	Check-Out	04-07-2015
##	61	0	Check-Out	04-07-2015
##	62	2	Check-Out	04-07-2015
	63	1	Check-Out	05-07-2015
	64	0	Check-Out	05-07-2015
	65 66	2	Canceled	29-06-2015
## ##	67	0 0	Check-Out Check-Out	05-07-2015 05-07-2015
##	68	0	Check-Out	05-07-2015
##	69	2	Canceled	16-06-2015
	70	2	Canceled	18-06-2015
	71	1	Canceled	03-07-2015
	72	1	Canceled	12-06-2015
	73	0	Check-Out	05-07-2015
	74	0	Check-Out	05-07-2015
	75	0	Canceled	09-06-2015
	76	0	Check-Out	06-07-2015
	77	0	Canceled	26-05-2015
	78	0	Check-Out	07-07-2015
##	79	0	Check-Out	07-07-2015
##	80	0	Check-Out	11-07-2015
##	81	0	Check-Out	12-07-2015
##	82	0	Canceled	19-05-2015
##	83	0	Check-Out	13-07-2015
##	84	1	Canceled	09-06-2015
##	85	0	Check-Out	13-07-2015
##	86	0	Check-Out	17-07-2015
##	87	1	Check-Out	17-07-2015
##	88	2	Canceled	15-04-2015
##	89	0	Check-Out	04-07-2015
	90	2	Check-Out	04-07-2015
	91	1	Check-Out	04-07-2015
	92	0	Check-Out	04-07-2015
	93	0	Check-Out	04-07-2015
##		2	Check-Out	04-07-2015
##		1	Canceled	26-05-2015
##		1	Canceled	29-06-2015
##		1	Canceled	13-05-2015
##		1	Check-Out	10-07-2015
##		2	Check-Out	10-07-2015
	100	0	Check-Out	10-07-2015
	101	1	Check-Out	07-07-2015
	102	0	Check-Out	07-07-2015
	103	2	Check-Out	10-07-2015
	104	2	Check-Out	10-07-2015
	105	1 0	Check-Out	11-07-2015
	106		Canceled	09-06-2015
	107	1 1	Canceled Canceled	20-05-2015
	108	1	Canceled Check-Out	22-04-2015 11-07-2015
	109	2	Check-Out	11-07-2015
##	110	2	CHeck-Out	11-07-2015

##	111	2	Check-Out	11-07-2015
	112	2	Check-Out	11-07-2015
	113	0	Check-Out	11-07-2015
	114	1	Check-Out	12-07-2015
	115	1	Canceled	12-05-2015
	116	1	Check-Out	12-07-2015
	117	1	Check-Out	14-07-2015
	118	1	Check-Out	14-07-2015
	119	1	Check-Out	14-07-2015
	120	0	Check-Out	05-07-2015
	121	0	Check-Out	05-07-2015
	122	0	Canceled	29-05-2015
	123	0	No-Show	04-07-2015
	124	2	Canceled	13-05-2015
	125	0	Canceled	16-06-2015
	126	1	Check-Out	05-07-2015
	127	0	Check-Out	05-07-2015
	128	1	Check-Out	06-07-2015
	129	0	Check-Out	06-07-2015
	130	2	Check-Out	06-07-2015
	131	1	Check-Out	06-07-2015
	132	1	Check-Out	06-07-2015
	133	0	Canceled	01-07-2015
	134	0	Check-Out	06-07-2015
	135	0	Check-Out	06-07-2015
	136	0	Check-Out	06-07-2015
	137	0	Check-Out	06-07-2015
	138	0	Check-Out	06-07-2015
	139	0	Canceled	01-07-2015
	140	1	Check-Out	06-07-2015
	141	0	Check-Out	07-07-2015
	142	0	Check-Out	07-07-2015
	143	2	Check-Out	09-07-2015
	144	2	Check-Out	10-07-2015
	145	0	Check-Out	10-07-2015
	146	0	Check-Out	10-07-2015
	147	0	Check-Out	11-07-2015
	148	0	Check-Out	11-07-2015
	149	0	Canceled	17-06-2015
	150	0	Canceled	01-05-2015
	151	1	Check-Out	12-07-2015
	152	1	Check-Out	12-07-2015
	153	1	Canceled	30-03-2015
	154	0	Check-Out	12-07-2015
	155	1	Check-Out	14-07-2015
	156	2	Check-Out	15-07-2015
	157	1	Check-Out	15-07-2015
	158	0	Check-Out	16-07-2015
	159	0	Check-Out	19-07-2015
	160	0	Check-Out	19-07-2015
	161	0	Check-Out	11-07-2015
	162	2	Check-Out	10-07-2015
	163	2	Check-Out	10-07-2015
##	164	1	Check-Out	10-07-2015

##	165	0	Check-Out	10-07-2015
##	166	2	Check-Out	10-07-2015
	167	2	Check-Out	10-07-2015
	168	2	Check-Out	06-07-2015
	169	0	Check-Out	06-07-2015
##	170	0	Check-Out	07-07-2015
	171	2	Check-Out	08-07-2015
	172	1	Check-Out	08-07-2015
	173	1	Check-Out	09-07-2015
	174	0	Canceled	03-06-2015
	175	0	Check-Out	10-07-2015
	176	1	Check-Out	10-07-2015
	177	0	Check-Out	11-07-2015
	178	0	Check-Out	11-07-2015
	179	1	Check-Out	12-07-2015
	180	0	Check-Out	12-07-2015
	181	0	Check-Out	13-07-2015
	182	1	Canceled	26-06-2015
	183	0	Check-Out	13-07-2015
	184	1	Check-Out	14-07-2015
	185	0	Canceled	14-05-2015
	186	1	Check-Out	16-07-2015
	187	1	Check-Out	16-07-2015
	188	1	Check-Out	16-07-2015
	189	2	Check-Out	16-07-2015
	190	0	Check-Out Check-Out	17-07-2015
	191	0	Check-Out	20-07-2015
	192 193	0	Check-Out	20-07-2015 13-07-2015
	194	1	Canceled	07-05-2015
	195	2	Check-Out	10-07-2015
	196	1	Check-Out	10-07-2015
	197	1	Check-Out	07-07-2015
	198	1	Check-Out	07-07-2015
	199	3	Check-Out	08-07-2015
	200	0	Check-Out	08-07-2015
	201	3	Check-Out	08-07-2015
	202	1	Check-Out	11-07-2015
	203	2	Check-Out	11-07-2015
	204	1	Check-Out	11-07-2015
##	205	0	Check-Out	11-07-2015
##	206	0	Canceled	28-05-2015
##	207	2	Canceled	13-04-2015
##	208	0	Check-Out	14-07-2015
##	209	0	Canceled	25-03-2015
##	210	1	Check-Out	21-07-2015
##	211	1	Check-Out	11-07-2015
##	212	2	Check-Out	12-07-2015
##	213	1	Check-Out	12-07-2015
	214	1	Canceled	28-05-2015
##	215	1	Check-Out	12-07-2015
	216	1	Check-Out	12-07-2015
	217	1	Canceled	29-06-2015
##	218	0	Check-Out	09-07-2015

	219	1	Canceled	08-07-2015
	220	1	Canceled	08-07-2015
	221	1	Check-Out	10-07-2015
	222	1	Canceled	28-05-2015
	223	1	Check-Out	14-07-2015
	224	1	Canceled	15-04-2015
	225	1	Check-Out	15-07-2015
	226	0	Check-Out	15-07-2015
	227	0	Check-Out	15-07-2015
	228	1	Check-Out	16-07-2015
	229	3	Check-Out	17-07-2015
	230	2	Check-Out	17-07-2015
	231	3	Check-Out	10-07-2015
	232	1	Check-Out	11-07-2015
	233	0	Check-Out	11-07-2015
	234	0	Canceled	02-06-2015
	235	1	Canceled	16-06-2015
	236	0	Canceled	16-06-2015
	237	2	Check-Out	12-07-2015
##	238	0	Canceled	23-06-2015
	239	0	Canceled	27-06-2015
	240	1	Check-Out	13-07-2015
##	241	1	Check-Out	14-07-2015
##	242	0	Check-Out	14-07-2015
##	243	0	Check-Out	16-07-2015
##	244	0	Check-Out	16-07-2015
##	245	0	Check-Out	16-07-2015
##	246	0	Check-Out	16-07-2015
##	247	1	Check-Out	16-07-2015
##	248	2	Canceled	13-05-2015
##	249	0	Check-Out	11-07-2015
##	250	0	Check-Out	12-07-2015
##	251	1	Check-Out	12-07-2015
##	252	0	Check-Out	12-07-2015
##	253	1	Check-Out	12-07-2015
##	254	1	Check-Out	12-07-2015
##	255	1	Check-Out	12-07-2015
##	256	2	Check-Out	12-07-2015
##	257	1	Check-Out	12-07-2015
##	258	1	Check-Out	13-07-2015
##	259	1	Check-Out	13-07-2015
##	260	2	Check-Out	13-07-2015
##	261	1	Check-Out	14-07-2015
##	262	1	Check-Out	14-07-2015
##	263	0	Canceled	29-06-2015
##	264	2	Check-Out	15-07-2015
##	265	3	Check-Out	15-07-2015
##	266	0	Check-Out	15-07-2015
##	267	2	Check-Out	17-07-2015
##	268	1	Check-Out	17-07-2015
##	269	2	Check-Out	17-07-2015
##	270	2	Check-Out	17-07-2015
##	271	0	Check-Out	17-07-2015
##	272	3	Check-Out	17-07-2015

```
## 273
                                  2
                                              Check-Out
                                                                       17-07-2015
## 274
                                  0
                                             Check-Out
                                                                       18-07-2015
                                                                       19-07-2015
## 275
                                  2
                                             Check-Out
## 276
                                 0
                                             Check-Out
                                                                       20-07-2015
## 277
                                  0
                                              Check-Out
                                                                       21-07-2015
## 278
                                 0
                                             Check-Out
                                                                       23-07-2015
## 279
                                  3
                                             Check-Out
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## 280
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                                             Check-Out
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## 281
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## 282
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## 283
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## 286
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                                             Check-Out
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## 287
                                             Check-Out
                                  1
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## 288
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                                              Canceled
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## 289
                                  1
                                             Check-Out
                                                                       15-07-2015
## 290
                                  0
                                             Check-Out
                                                                       15-07-2015
## 291
                                 0
                                             Check-Out
                                                                       15-07-2015
## 292
                                  0
                                             Check-Out
                                                                       12-07-2015
## 293
                                  1
                                             Check-Out
                                                                       12-07-2015
## 294
                                  0
                                             Check-Out
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## 295
                                             Check-Out
                                                                       12-07-2015
                                  1
## 296
                                  0
                                                                       13-07-2015
                                              Check-Out
                                 0
                                             Check-Out
## 297
                                                                       13-07-2015
## 298
                                  1
                                             Check-Out
                                                                       13-07-2015
## 299
                                  0
                                             Check-Out
                                                                       14-07-2015
```

is.data.frame(mydata)

[1] TRUE

is.name(mydata)

[1] FALSE

lowess (mydata)

```
## $x
##
##
## [297] 1 1 1
##
## $y
```

log(mydata\$adr)

```
##
     [1]
             -Inf
                      -Inf 4.317488 4.317488 4.584967 4.584967 4.672829 4.634729
##
     [9] 4.406719 4.658711 4.812184 4.976734 4.574711 5.041940 4.550820 4.574711
    [17] 4.579852 4.479607 4.676746 5.030438 4.577696 4.438761 4.438761 4.601865
    [25] 4.553350 4.152613 4.375757 4.672829 4.543295 4.469350 4.127134 4.156693
##
    [33] 4.684905 4.182050 4.689511 4.689511 4.584967 4.689511 4.689511 4.919981
##
   [41] 4.769073 4.375757 4.812184 4.919981 4.706824 5.030438 4.076690 4.417394
   [49] 4.410978 4.782060 4.213312 4.025530 4.706824 4.479607 4.990433 4.672829
    [57] 4.990433 4.769837 4.812184 4.584967 4.769073 4.905275 4.890349 4.076690
##
   [65] 4.915078 5.030438 4.705016 4.574711 4.703204 4.406719 4.574711 4.301359
  [73] 4.516339 4.740575 4.703204 4.509760 4.812184 4.804021 4.706824 4.452718
   [81] 4.076690 4.019621 4.019621 4.820282 4.710881 4.903273 4.526668 4.688868
    [89] 4.301359 4.584967 4.875197 4.812184 4.550820 4.812184 4.812184 4.301359
  [97] 4.762174 5.280866 4.598146 4.510310 4.529045 4.270397 4.569439 4.452019
## [105] 4.567468 5.093750 5.147494 4.706824 4.076690 4.301359 4.574711 4.934474
## [113] 4.208268 4.757891 4.567468 4.812184 4.270397 4.270397 5.003946 5.093750
## [121] 4.375757 4.653960 4.812184 4.301359 4.727388
                                                          -Inf 4.812184 4.301359
## [129] 4.740575 4.301359 4.301359 4.479607 4.574711 4.443827 4.488636 4.383276
## [137] 4.584967 4.615121 4.574711 5.117994 5.416100 4.574711 4.469350 4.449568
## [145] 4.812184 4.672829 5.093750 4.406719 5.093750 4.658711 5.101085 4.577696
## [153] 4.736198 4.589041 5.164786 4.152613 4.823904 4.706824 4.305011 4.898586
## [161] 5.117994 4.812184 4.769073 5.143533 5.347108 4.574711 4.769073
## [169]
             -Inf 4.875197 4.584967 4.469350 4.574711 5.117994 4.516339 4.301359
## [177] 4.812184 5.164786 4.768988 4.767544 5.220356 4.262680 3.855453 5.017280
## [185] 4.469350 4.792479 4.156693 5.056883 4.514917 4.290459 4.706824 4.539030
## [193] 4.424847 4.301359 4.406719 5.223055
                                                 -Inf
                                                          -Inf 4.698661 5.273000
## [201] 4.698661 5.262690 4.574711 5.010635 4.584967 4.516339 4.934474 4.375757
## [209] 3.855453 4.841427 4.672829 4.875197 4.875197 4.812184 4.983607 4.706824
## [217] 4.301359 4.110874 4.651290 4.651290 4.651290 4.195998 4.356196 4.718499
## [225] 4.672829 4.496248 5.043425 4.718499 4.868303 4.606170 4.812184 4.820282
## [233] 4.983607 4.574711 4.812184 5.030438 4.406719 4.654722 4.180828 4.584967
## [241] 4.323603 4.182050 4.510310 4.539030 4.781222 4.903273 4.718499 4.771786
## [249] 4.875197 4.479607 4.301359 4.584967 4.705016 4.875197 5.220356 4.469350
## [257] 4.301359 4.787492 4.584967 4.567468 5.283204 5.283204 4.812184 4.406719
## [265] 5.105945 5.006627 4.671332 5.081404 4.901044 4.972795 5.023881 4.832624
## [273] 4.896570 5.073610 4.792479 4.720283 4.705920 4.662495 4.556715 4.689787
## [281] 5.036693 4.792479 4.507227 4.841585 4.972587 4.600158 4.937347 4.301359
## [289] 4.499476 4.812184 4.812184 4.812184 4.976044 5.030438 4.875197 4.605170
## [297] 4.182050 4.812184 4.812184
```

#Obtain documentation for a given R command help(mydata)

```
## No documentation for 'mydata' in specified packages and libraries:
## you could try '??mydata'
```

```
##
  $hotel
     [1] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
     [6] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
    [11] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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##
    [16] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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    [26] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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    [36] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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    [51] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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    [56] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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    [71] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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## [241] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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## [246] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
 [251] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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 [276] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
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 [286] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
 [291] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
  [296] "Resort Hotel" "Resort Hotel" "Resort Hotel" "Resort Hotel"
##
## $is_canceled
   ##
  [75] 1 0 1 0 0 0 0 1 0 1 0 0 0 1 0 0 0 0 1 1 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0
 ## [223] 0 1 0 0 0 0 0 0 0 0 0 1 1 1 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
## [297] 0 0 0
##
## $lead_time
##
   [1] 342 737
            7
             13
                14
                  14
                      0
                        9
                          85
                             75
                               23
                                  35
                                    68
                                       18
                                         37
                                            68
                                              37
                                                 12
  Г197
      0
         7
           37
             72
                72
                  72 127
                        78
                          48
                             60
                               77
                                  99
                                   118
                                       95
                                         96
                                            69
                                              45
                                                 40
##
  [37]
           43
             70
                   45
                        70 107
                             47
                                       50 113
                                              76
      15
        36
                45
                     16
                               96 113
                                    90
                                            93
                                                  3
##
  [55]
      1
            0
              0
                 0
                   14
                     10
                        5
                          17
                             93
                                3
                                  10
                                     3
                                       51
                                         71
                                            63
                                              62 101
         1
      2
                   2
  [73]
              3
                     72
                          99 368 364
                                  81
                                    99 324
                                         69
                                            79
##
        15
           51
                48
                        81
                                              12
                                                  9
  [91]
       1
        21
            9 109 109
                   72
                     63
                        63 101
                            102
                                4
                                  98
                                    92
                                       95
                                         102
                                            26
                                              73 102
## [109] 115 102
           86
             78
                52
                   29 101
                       109
                          92
                             92
                               79
                                  2
                                    30
                                       51
                                         36
                                            73
                                              33
                                                 32
##
 Γ127]
      8 100
            1 100 100
                   9
                      5
                        0
                           9
                             2
                                2
                                  9
                                     5
                                        2
                                         44
                                            80
                                              97 109
 [145]
      30
        64
           39
             90
                34
                   93
                     97
                        29 101
                             27
                                8
                                  82
                                    94 110
                                         96
                                            79
                                              115 111
                        2
                             98
 [163]
      51
           81
             84
                51 111
                      0
                           7
                               95
                                  48
                                    66 104
                                         28
                                            34
                                              98 104
        94
 [181]
      68
        86 258 111
                94 112 100
                        33
                          97
                             80
                               90 111
                                    65
                                       67
                                         55
                                            21
 Γ1997
      0
                66
                        43
                             54 292 112
                                       7
                                               5
##
         0
            0
              8
                  88
                      0
                          88
                                    68
                                          1 113
                                                 83
 [217] 105
         0
              1
                 1 102 113 280
                          96
                            394
                               33
                                  82 100 100
                                         17
                                                 77
 [235]
           78
             17 103
                        77
                             90
                               90 366 249
                                            22
                                                 23
      24
        44
                   16
                     14
                          90
                                       69
                                         10
                                              91
                91
 [253]
           13 108
                   37
                     21 106
                          30
                             30
                                         78
      11
         3
                               51
                                  79
                                    21
                                       35
                                            31
                                              78
                                                 78
 [271]
      44
                     41
                             34 100
                                  44 304
                                       36 117
##
        34
           87
             11 115
                   86
                        32
                          34
                                            70 110 109
  [289]
      33
        33
           33
              0
                   0
                      0
                        84
                          71
                             16
                               54
##
## $arrival_date_year
   ##
  ##
##
```

```
##
## $arrival_date_month
   [1] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
##
  [11] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [21] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [31] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [41] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
##
  [51] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [61] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [71] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [81] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
  [91] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [101] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [111] "July" "July"
## [121] "July" "July"
## [131] "July" "July"
## [141] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [151] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [161] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [171] "July" "July"
## [181] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [191] "July" "July"
## [201] "July" "July"
## [211] "July" "July"
## [221] "July" "July" "July" "July" "July" "July" "July" "July" "July" "July"
## [231] "July" "July"
## [241] "July" "July"
## [251] "July" "July"
## [261] "July" "July"
## [271] "July" "July"
## [281] "July" "July"
 [291] "July" "July" "July" "July" "July" "July" "July" "July" "July"
##
## $arrival date week number
```

```
##
## $arrival date day of month
##
  [1]
    1 1
       1 1 1
           1
             1
              1
               1
                 1
                  1
                    1
                     1
                      1 1 1 1 1 1 1 1
                                  1
##
 [26]
    1
      1
       1
        1
          1
           1
             1
              1
                2
                 2
                  2
                    2
                     2
                       2
                        2
                          2
                           2
                            2
                              2
                               2
                                 2
                                  2
          2
           2
             2
              2
                2
                 2
                  2
                    2
                            3
##
 [51]
    2
      2
       2
        2
                     2
                       2
                        2
                          3
                           3
                              3
                               3
                                 3
                                  3
                                   3
                                     3
                                      3
 [76]
    3
      3
       3
        3
          3
           3
             3
              3
                3
                 3
                  3
                    3
                     3
                       3
                        3
                          3
                           3
                            3
                              3
                               3
                                 3
                                  3
## [101]
    4
      4
       4
         4
          4
           4
             4
              4
                4
                 4
                  4
                    4
                     4
                       4
                        4
                          4
                           4
                            4
                              4
                               4
                                 4
                                  4
                                    4
                                      4
## [126]
    4
      4
       4
        4
          4
           4
             5
              5
                5
                 5
                  5
                    5
                     5
                       5
                        5
                          5
                           5
                            5
                              5
                               5
                                 5
                                  5
                                    5
                                     5
                                      5
## [151]
    5
      5
       5
        5
          5
           5
             5
              5
                5
                 5
                  6
                    6
                     6
                       6
                        6
                          6
                           6
                            6
                              6
                               6
                                 6
                                  6
## [176]
    6
      6
       6
        6
          6
           6
             6
              6
                6
                 6
                  6
                    6
                     6
                       6
                        6
                          6
                           6
                            6
                              7
                               7
                                 7
                                  7
                                    7
       7
        7
          7
           7
             7
                7
                 7
## [201]
      7
              7
    7
                  8
                    8
                     8
                       8
                        8
                          8
                           8
                            8
                              8
                               8
                                 8
                                  8
                                   8
## [226]
    8 8
       8
        8
          8 9
            9
              9
               9
                 9
                  9
                    9
                     9
                       9 9
                         9
                           9
                            9
                              9
                               9
                                 9
                                  9
                                   9 10 10
##
## $stays_in_weekend_nights
  ## [297] 1 1 2
##
## $stays_in_week_nights
          2 2 2 2
               3
                                      5
##
  [1] 0 0 1 1
                 3
                  4
                    4
                     4
                       4
                        4
                          4
                           4
                            1
                              1
                               4
                                4
                                  4
                                   4
                                     4
##
 [26]
        5
          5 10 11
              8
               4
                 3
                  3
                    3
                     3
                       3
                        3
                          3
                           3
                            3
                              3
                               5
                                 5
                                  5
                                      5
      5 5
##
 [51]
    5
      8 10
         1
          1
           1
             1
              1
                1
                 2
                  2
                    2
                     3
                       3
                        3
                          2
                           2
                            2
                              2
                               2
                                 2
                                  2
                                    2
##
 [76]
    2
      2
       2
        2
          6
           7
             7
              7
                7
                 7
                  10
                   10 15
                       1
                        1
                           1
                            1
                              1
                               2
                                 2
                                  5
                                    5
                                      5
                          1
## [101]
         4
          5
           5
             5
              5
                5
                 5
                  5
                    5
                     5
                       6
                        6
                          6
                           6
                            6
                              6
    1
      1
       4
                               1
## [126]
              0
                0
                 0
                            2
             0
                  0
                    0
                     0
                       0
                        0
                          0
                           0
                              3
                               3
                                 3
                                  4
                                    4
    1
      1
         1
          1
           1
       1
## [151]
    5
      5
       5
        5
          5
           6
             6
              7 10 10
                  4
                    3
                     3
                       3
                        3
                          3
                           3
                            0
                              0
                               0
                                      3
                                 1
                                  1
        5
          5
           5
             5
              5
                5
                  7
                    7
                     7
                        8 10 10
                            5
                              2
                               3
## [176]
    3
      4
       4
                 7
                       7
                                 3
                                  0
                                    0
                                     1
                                      1
## [201]
    1
      4
       4
         4
          4
           5
             5
              5
                5 10
                  3
                    4
                     4
                       4
                        4
                            1
                              1
                               1
                                 2
## [226]
        7
          7
             2
              2
                3
                 3
                  3
                    3
                     3
                       3
                          3
                           3
                                  5
                                      2
    5
      5
       6
           1
                        3
                            5
                              5
                               5
                                 5
                                    6
                                     1
    2
      2
       2
        2
          2
           2
             2
              2
                2
                 2
                  2
                    2
                     3
                       3
                          3
                            5
                              5
                               5
                                 5
## [251]
                        3
                           5
                                  5
                                    5
                                     6
## [276] 7 7 9 5 5
           3 3 4
                 4
                  4
                    5
                        2 2
                4
                     5
                       2
                           1
                            1
                              1
                               1
                                 1
##
## $adults
  ## [297] 2 2 2
##
## $children
  ##
```

```
[297] 0 0 0
##
##
##
   $babies
       \begin{smallmatrix} [1] \end{smallmatrix} 0 \hspace{0.1cm} 
     ##
   [297] 0 0 0
##
##
   $meal
##
      [1] "BB" "BB" "BB" "BB" "BB" "BB" "BB" "FB" "FB" "BB" "HB" "BB" "HB" "BB" "HB" "BB"
    ##
    ##
    [181] "HB" "HB" "BB" "HB" "BB" "BB" "BB" "HB" "HB" "BB" "BB" "BB" "BB" "BB" "BB" "BB"
   ##
   $country
##
                  "PRT"
##
     [1] "PRT"
                           "GBR"
                                   "GBR"
                                            "GBR."
                                                    "GBR"
                                                            "PRT"
                                                                     "PRT"
                                                                             "PRT"
                                                                                     "PRT"
    [11] "PRT"
                   "PRT"
                           "USA"
                                   "ESP"
                                            "PRT"
                                                    "IRL"
                                                            "PRT"
                                                                     "IRL"
                                                                             "FRA"
                                                                                     "GBR"
    [21] "GBR"
                   "PRT"
                           "PRT"
                                   "PRT"
                                            "GBR"
                                                    "PRT"
                                                            "IRL"
                                                                     "PRT"
                                                                             "PRT"
                                                                                     "PRT"
##
     [31] "NULL" "GBR"
                           "PRT"
                                   "IRL"
                                            "PRT"
                                                    "PRT"
                                                            "ESP"
                                                                     "PRT"
                                                                             "PRT"
                                                                                     "ROU"
##
##
    [41] "PRT"
                   "IRL"
                           "ESP"
                                   "ROU"
                                            "PRT"
                                                    "PRT"
                                                            "ESP"
                                                                     "NOR"
                                                                             "GBR"
                                                                                     "IRL"
                   "IRL"
                           "OMN"
                                   "ESP"
                                            "ARG"
                                                    "ESP"
                                                            "PRT"
                                                                     "PRT"
                                                                             "PRT"
                                                                                     "USA"
##
    [51] "NOR"
    [61] "PRT"
                   "IRL"
                           "ESP"
                                   "IRL"
                                            "PRT"
                                                    "USA"
                                                            "ESP"
                                                                     "POL"
                                                                             "PRT"
                                                                                     "PRT"
##
     [71] "PRT"
                   "PRT"
                           "PRT"
                                   "ESP"
                                                    "ESP"
##
                                            "PRT"
                                                            "PRT"
                                                                     "PRT"
                                                                             "DEU"
                                                                                     "PRT"
                   "PRT"
                                   "PRT"
                                                    "GBR"
                                                                                     "PRT"
    [81] "FRA"
                           "GBR"
                                            "GBR"
                                                            "GBR"
                                                                     "PRT"
                                                                             "GBR"
##
##
    [91] "ESP"
                   "PRT"
                           "USA"
                                   "BEL"
                                            "PRT"
                                                    "PRT"
                                                            "PRT"
                                                                     "ESP"
                                                                             "PRT"
                                                                                     "DEU"
## [101] "ESP"
                   "FRA"
                           "FRA"
                                   "PRT"
                                            "PRT"
                                                    "PRT"
                                                            "PRT"
                                                                     "PRT"
                                                                             "PRT"
                                                                                     "PRT"
```

```
"PRT"
                                         "PRT"
                                                 "PRT"
                                                        "GBR"
                                                                        "PRT"
## [111] "CHE"
                 "PRT"
                         "GBR"
                                                                "PRT"
                                                                                "PRT"
   [121] "PRT"
                 "PRT"
                         "PRT"
                                 "PRT"
                                         "PRT"
                                                 "PRT"
                                                        "ESP"
                                                                "FRA"
                                                                        "PRT"
                                                                                "FRA"
                                                        "PRT"
                                                                "DEU"
                                                                                "PRT"
   [131] "FRA"
                  "ESP"
                         "PRT"
                                 "ESP"
                                         "DEU"
                                                 "PRT"
                                                                        "PRT"
   [141] "PRT"
                          "ESP"
                                 "CN"
                                         "ESP"
                                                 "PRT"
                                                         "ESP"
                                                                "PRT"
                                                                        "PRT"
                                                                                "PRT"
                  "FRA"
   [151] "PRT"
                  "IRL"
                         "PRT"
                                 "ESP"
                                         "CHE"
                                                 "PRT"
                                                        "PRT"
                                                                "GBR"
                                                                        "GBR"
                                                                                "GBR"
   [161] "PRT"
                 "PRT"
                         "USA"
                                 "CN"
                                         "CHE"
                                                 "PRT"
                                                                "PRT"
                                                                        "PRT"
                                                                                "PRT"
##
                                                        "USA"
                  "USA"
                         "GRC"
                                 "PRT"
                                         "PRT"
                                                 "PRT"
                                                        "PRT"
                                                                "PRT"
                                                                        "ESP"
                                                                                "PRT"
   [171] "PRT"
## [181] "PRT"
                                         "PRT"
                  "PRT"
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                                 "PRT"
                                                 "GBR"
                                                                "PRT"
                                                                        "GBR"
                                                                                "FRA"
                                                         "GBR"
##
   Γ1917
         "ITA"
                  "GBR"
                          "PRT"
                                 "PRT"
                                         "ESP"
                                                 "PRT"
                                                         "PRT"
                                                                "PRT"
                                                                        "GBR"
                                                                                "PRT"
   [201] "GBR"
                 "ESP"
                         "PRT"
                                 "USA"
                                         "NLD"
                                                 "PRT"
                                                        "PRT"
                                                                "IRL"
                                                                        "PRT"
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                  "PRT"
                         "ESP"
                                 "PRT"
                                         "ESP"
                                                 "PRT"
                                                        "PRT"
                                                                "PRT"
                                                                        "PRT"
                                                                                "PRT"
   [221] "CHE"
                  "PRT"
                         "PRT"
                                 "PRT"
                                         "GBR"
                                                 "GBR"
                                                        "PRT"
                                                                "IRL"
                                                                        "DNK"
                                                                                "DNK"
                                 "PRT"
                                         "PRT"
                                                 "PRT"
                                                                        "PRT"
##
   [231] "PRT"
                 "ARG"
                         "PRT"
                                                        "PRT"
                                                                "PRT"
                                                                                "RUS"
                                                                                "PRT"
   [241] "SWE"
                 "POL"
                         "FRA"
                                 "GBR"
                                         "GBR"
                                                 "GBR"
                                                        "PRT"
                                                                "PRT"
                                                                        "USA"
   [251] "PRT"
                  "PRT"
                         "PRT"
                                 "PRT"
                                         "PRT"
                                                 "PRT"
                                                        "PRT"
                                                                "GBR"
                                                                        "AUS"
                                                                                "GBR"
   [261]
         "PRT"
                  "PRT"
                          "PRT"
                                 "POL"
                                         "PRT"
                                                 "EST"
                                                         "PRT"
                                                                "PRT"
                                                                        "PRT"
                                                                                "PRT"
   [271] "RUS"
                  "GBR"
                         "PRT"
                                 "PRT"
                                         "IRL"
                                                 "PRT"
                                                         "GBR"
                                                                "DNK"
                                                                        "GBR"
                                                                                "GBR"
##
                  "ESP"
                                                                                "PRT"
   [281] "PRT"
                         "PRT"
                                 "PRT"
                                         "PRT"
                                                 "ESP"
                                                        "PRT"
                                                                "PRT"
                                                                        "GBR"
   [291] "CZE"
                  "GBR"
                          "DEU"
                                 "ESP"
                                         "ESP"
                                                 "PRT"
                                                        "ESP"
                                                                "ROU"
                                                                        "PRT"
##
##
##
   $market_segment
     [1] "Direct"
                            "Direct"
                                             "Direct"
                                                               "Corporate"
##
##
     [5] "Online TA"
                            "Online TA"
                                              "Direct"
                                                                "Direct"
     [9] "Online TA"
                            "Offline TA/TO"
                                                                "Online TA"
##
                                             "Online TA"
##
                                              "Online TA"
    [13] "Online TA"
                            "Online TA"
                                                               "Online TA"
    [17] "Offline TA/TO"
                            "Online TA"
                                              "Corporate"
                                                                "Direct"
##
    [21] "Online TA"
                            "Direct"
                                              "Direct"
                                                                "Direct"
                            "Offline TA/TO"
                                                               "Online TA"
##
    [25] "Offline TA/TO"
                                             "Offline TA/TO"
##
    [29] "Online TA"
                            "Online TA"
                                              "Direct"
                                                                "Offline TA/TO"
##
    [33] "Direct"
                            "Offline TA/TO"
                                             "Online TA"
                                                                "Online TA"
##
    [37] "Online TA"
                            "Online TA"
                                              "Online TA"
                                                                "Direct"
##
    [41] "Online TA"
                            "Offline TA/TO"
                                             "Direct"
                                                                "Direct"
##
    [45] "Online TA"
                            "Online TA"
                                              "Offline TA/TO" "Offline TA/TO"
    [49] "Offline TA/TO"
                            "Online TA"
                                              "Offline TA/TO"
                                                               "Offline TA/TO"
##
##
    [53] "Offline TA/TO"
                            "Online TA"
                                             "Online TA"
                                                                "Direct"
##
    [57] "Direct"
                                             "Direct"
                                                                "Online TA"
                            "Online TA"
##
    [61] "Online TA"
                            "Online TA"
                                             "Direct"
                                                               "Offline TA/TO"
##
    [65] "Online TA"
                            "Online TA"
                                              "Online TA"
                                                                "Online TA"
##
    [69] "Offline TA/TO"
                            "Online TA"
                                              "Online TA"
                                                                "Online TA"
##
    [73] "Offline TA/TO"
                            "Online TA"
                                                                "Online TA"
                                             "Online TA"
    [77] "Online TA"
                            "Online TA"
                                              "Offline TA/TO"
                                                               "Offline TA/TO"
    [81] "Offline TA/TO"
##
                            "Offline TA/TO"
                                             "Offline TA/TO"
                                                               "Direct"
                            "Offline TA/TO"
                                             "Online TA"
##
    [85] "Offline TA/TO"
                                                                "Offline TA/TO"
    [89] "Online TA"
##
                            "Online TA"
                                              "Online TA"
                                                                "Online TA"
                            "Online TA"
                                                                "Online TA"
    [93] "Online TA"
                                              "Online TA"
    [97] "Online TA"
                            "Offline TA/TO"
                                             "Online TA"
                                                                "Direct"
##
   [101] "Direct"
##
                            "Offline TA/TO"
                                             "Offline TA/TO"
                                                               "Online TA"
   [105] "Online TA"
                                                               "Online TA"
                            "Online TA"
                                              "Direct"
   [109] "Offline TA/TO"
                            "Online TA"
                                              "Online TA"
                                                                "Online TA"
   [113] "Online TA"
                            "Online TA"
                                              "Online TA"
                                                                "Online TA"
   [117] "Offline TA/TO"
                           "Offline TA/TO"
                                             "Direct"
                                                                "Online TA"
   [121] "Offline TA/TO"
                           "Online TA"
                                              "Direct"
                                                               "Online TA"
## [125] "Online TA"
                            "Complementary"
                                             "Online TA"
                                                                "Online TA"
## [129] "Online TA"
                            "Online TA"
                                              "Online TA"
                                                                "Online TA"
```

```
## [133] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Online TA"
## [137] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Direct"
## [141] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Offline TA/TO"
## [145] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Online TA"
## [149] "Online TA"
                           "Offline TA/TO"
                                            "Direct"
                                                             "Online TA"
## [153] "Online TA"
                           "Offline TA/TO"
                                           "Online TA"
                                                             "Offline TA/TO"
## [157] "Direct"
                           "Offline TA/TO"
                                            "Offline TA/TO"
                                                             "Offline TA/TO"
## [161] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Offline TA/TO"
## [165] "Direct"
                           "Online TA"
                                            "Online TA"
                                                             "Online TA"
## [169] "Direct"
                           "Direct"
                                            "Online TA"
                                                             "Online TA"
## [173] "Online TA"
                           "Online TA"
                                            "Offline TA/TO"
                                                             "Online TA"
## [177] "Online TA"
                           "Direct"
                                            "Online TA"
                                                             "Online TA"
## [181] "Online TA"
                           "Offline TA/TO"
                                            "Offline TA/TO"
                                                             "Online TA"
## [185] "Online TA"
                           "Offline TA/TO"
                                            "Offline TA/TO" "Direct"
## [189] "Offline TA/TO"
                           "Direct"
                                            "Offline TA/TO"
                                                             "Offline TA/TO"
## [193] "Offline TA/TO"
                           "Online TA"
                                            "Online TA"
                                                             "Direct"
  [197] "Direct"
                           "Online TA"
                                            "Online TA"
                                                             "Direct"
## [201] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Offline TA/TO"
## [205] "Direct"
                           "Offline TA/TO"
                                            "Online TA"
                                                             "Offline TA/TO"
## [209] "Offline TA/TO"
                           "Offline TA/TO"
                                           "Online TA"
                                                             "Online TA"
## [213] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Offline TA/TO"
## [217] "Online TA"
                           "Offline TA/TO"
                                            "Corporate"
                                                             "Corporate"
## [221] "Corporate"
                           "Direct"
                                                             "Offline TA/TO"
                                            "Direct"
## [225] "Online TA"
                           "Offline TA/TO"
                                            "Online TA"
                                                             "Direct"
## [229] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Direct"
## [233] "Direct"
                           "Direct"
                                            "Online TA"
                                                             "Online TA"
## [237] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Direct"
## [241] "Online TA"
                           "Offline TA/TO"
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                                                             "Offline TA/TO"
                                            "Online TA"
## [245] "Offline TA/TO"
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                                                             "Online TA"
## [249] "Direct"
                           "Online TA"
                                            "Online TA"
                                                             "Online TA"
## [253] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Online TA"
## [257] "Online TA"
                           "Online TA"
                                            "Direct"
                                                             "Online TA"
## [261] "Direct"
                           "Direct"
                                            "Online TA"
                                                             "Online TA"
## [265] "Direct"
                                            "Online TA"
                                                             "Direct"
                           "Online TA"
## [269] "Online TA"
                           "Online TA"
                                            "Offline TA/TO"
                                                             "Online TA"
## [273] "Offline TA/TO"
                          "Direct"
                                            "Online TA"
                                                             "Online TA"
## [277] "Online TA"
                           "Online TA"
                                            "Online TA"
                                                             "Online TA"
## [281] "Offline TA/TO"
                           "Online TA"
                                            "Direct"
                                                             "Online TA"
## [285] "Offline TA/TO"
                                            "Direct"
                                                             "Online TA"
                           "Online TA"
  [289] "Online TA"
                                                             "Direct"
                           "Online TA"
                                            "Online TA"
   [293] "Online TA"
                           "Direct"
                                            "Online TA"
                                                             "Corporate"
   [297] "Offline TA/TO" "Online TA"
                                            "Online TA"
##
##
##
   $distribution_channel
##
     [1] "Direct"
                      "Direct"
                                   "Direct"
                                                "Corporate"
                                                             "TA/TO"
                                                                          "TA/TO"
                                                                          "TA/TO"
##
     [7] "Direct"
                                   "TA/TO"
                                                "TA/TO"
                       "Direct"
                                                             "TA/TO"
##
    [13] "TA/TO"
                      "TA/TO"
                                   "TA/TO"
                                                "TA/TO"
                                                             "TA/TO"
                                                                          "TA/TO"
##
    [19] "Corporate"
                      "Direct"
                                   "TA/TO"
                                                "Direct"
                                                             "Direct"
                                                                          "Direct"
##
    [25] "TA/TO"
                      "TA/TO"
                                   "TA/TO"
                                                "TA/TO"
                                                             "TA/TO"
                                                                          "TA/TO"
                                                "TA/TO"
##
    [31] "Direct"
                      "TA/TO"
                                   "Direct"
                                                             "TA/TO"
                                                                          "TA/TO"
                      "TA/TO"
##
    [37] "TA/TO"
                                   "TA/TO"
                                                "Direct"
                                                             "TA/TO"
                                                                          "TA/TO"
##
    [43] "Direct"
                      "Direct"
                                   "TA/TO"
                                                "TA/TO"
                                                             "TA/TO"
                                                                          "TA/TO"
##
    [49] "TA/TO"
                      "TA/TO"
                                   "TA/TO"
                                                "TA/TO"
                                                             "TA/TO"
                                                                          "TA/TO"
##
    [55] "TA/TO"
                      "Direct"
                                   "Direct"
                                                "TA/TO"
                                                             "Direct"
                                                                          "TA/TO"
```

```
[61] "TA/TO"
                 "TA/TO"
                           "Direct"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
   [67]
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
   [73] "TA/TO"
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                                                         "TA/TO"
##
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                 "TA/TO"
                           "TA/TO"
   [79] "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "Direct"
##
##
   [85]
       "TA/TO"
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                                                         "TA/TO"
   [91]
       "TA/TO"
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                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
   [97] "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                                         "TA/TO"
##
                                     "Direct"
                                               "Direct"
                 "TA/TO"
  Γ1037
       "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "Direct"
                                                         "TA/TO"
##
##
  Γ1097
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
  [115] "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                                         "TA/TO"
##
                                               "Direct"
##
  [121] "TA/TO"
                 "TA/TO"
                           "Direct"
                                     "TA/TO"
                                               "TA/TO"
                                                         "Direct"
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
  [127]
##
                           "TA/TO"
                                     "TA/TO"
##
  [133] "TA/TO"
                 "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
  [139] "TA/TO"
                 "Direct"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
  [145] "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
##
  [151]
       "Direct"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "OT\AT"
                                                         "TA/TO"
  [157]
       "Direct"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
  [163] "TA/TO"
                 "TA/TO"
                           "Direct"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
  [169] "Direct"
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                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
                 "Direct"
                                     "Direct"
##
  [175] "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
  Г181]
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
  Г187]
       "TA/TO"
                 "Direct"
                           "TA/TO"
                                     "Direct"
                                               "TA/TO"
                                                         "TA/TO"
##
                           "TA/TO"
                                                         "TA/TO"
## [193]
       "TA/TO"
                 "TA/TO"
                                     "Direct"
                                               "Direct"
  Г1997
       "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
                 "Direct"
  [205] "Direct"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
##
  [211] "TA/TO"
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                           "TA/TO"
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                                               "TA/TO"
                                                         "TA/TO"
  [217]
       "TA/TO"
                 "TA/TO"
                           "Corporate"
                                     "Corporate"
                                               "Corporate"
                                                         "Direct"
##
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                 "TA/TO"
##
       "Direct"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "Direct"
                 "TA/TO"
                           "TA/TO"
  [229]
       "TA/TO"
                                     "Direct"
                                               "Direct"
                                                         "Direct"
##
                 "TA/TO"
                           "TA/TO"
##
  [235]
       "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "Direct"
                 "TA/TO"
##
  [241]
       "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
##
  [247]
       "TA/TO"
                 "TA/TO"
                           "Direct"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
                                     "TA/TO"
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##
  [253] "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                                         "TA/TO"
  [259] "Direct"
                 "TA/TO"
                           "Direct"
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##
                                                         "TA/TO"
  [265]
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                 "TA/TO"
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                                               "TA/TO"
##
  [271]
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
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                                               "TA/TO"
                                                         "TA/TO"
##
##
  [277]
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "TA/TO"
                                                         "TA/TO"
  [283]
       "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "TA/TO"
                                               "Direct"
                                                         "TA/TO"
##
  [289] "TA/TO"
                 "TA/TO"
                           "TA/TO"
                                     "Direct"
                                               "TA/TO"
                                                         "Direct"
##
                 "Corporate" "TA/TO"
                                               "TA/TO"
  [295] "TA/TO"
                                     "TA/TO"
##
##
##
  $is_repeated_guest
    ##
   ##
   ##
  ##
  ##
  ##
  [297] 0 0 0
##
##
## $previous_cancellations
```

```
## [297] 0 0 0
##
##
 $previous_bookings_not_canceled
   [297] 0 0 0
##
##
##
 $reserved_room_type
   [1] "C" "C" "A" "A" "A" "A" "A" "C" "C" "A" "D" "E" "D" "E" "D" "E" "A"
  [19] "A" "G" "F" "A" "A" "D" "D" "D" "D" "E" "A" "D" "A" "D" "E" "A" "D" "D"
##
  [37] "A" "D" "D" "E" "G" "D" "F" "E" "A" "G" "A" "E" "A" "E" "D" "A" "D" "A"
  [55] "H" "C" "H" "A" "G" "A" "G" "E" "F" "A" "A" "G" "A" "D" "A" "D" "A" "D" "A"
  [73] "A" "A" "A" "A" "E" "A" "A" "D" "A" "A" "A" "A" "E" "E" "F" "A" "A" "A"
  [91] "A" "E" "C" "A" "A" "A" "F" "E" "D" "E" "A" "D" "F" "A" "E" "H" "D" "A"
 [109] "A" "A" "D" "E" "A" "E" "E" "A" "D" "D" "D" "H" "D" "A" "E" "A" "D" "H"
 [145] "E" "E" "H" "A" "H" "D" "C" "F" "A" "E" "H" "D" "D" "D" "A" "D" "G" "A"
 [163] "G" "D" "G" "D" "G" "A" "E" "A" "A" "D" "D" "E" "A" "A" "E" "F" "A" "E"
  [181] "G" "A" "A" "A" "D" "A" "D" "F" "D" "A" "D" "A" "D" "A" "A" "A" "F" "A" "A"
 [199] "A" "C" "A" "H" "D" "D" "A" "A" "E" "D" "A" "D" "E" "A" "A" "A" "A" "D" "A"
 [217] "A" "A" "A" "A" "A" "A" "A" "E" "D" "E" "D" "E" "A" "E" "E" "C" "A" "H" "D"
 [253] "A" "A" "G" "D" "A" "C" "A" "E" "F" "F" "E" "A" "C" "G" "A" "D" "D" "E"
## [271] "E" "F" "C" "C" "A" "D" "F" "C" "D" "F" "A" "A" "A" "E" "D" "A" "E" "A"
##
 [289] "E" "E" "E" "A" "A" "G" "A" "A" "A" "C" "E"
##
## $assigned_room_type
   [1] "C" "C" "C" "A" "A" "A" "C" "C" "A" "D" "E" "D" "E" "G" "E" "E" "E" "E"
  [19] "G" "G" "F" "A" "A" "D" "I" "D" "D" "E" "A" "D" "A" "D" "E" "C" "D" "D"
  [37] "C" "D" "D" "E" "G" "D" "F" "E" "A" "G" "A" "E" "B" "F" "D" "A" "D" "C"
  [55] "H" "C" "H" "D" "G" "C" "G" "E" "F" "C" "A" "H" "C" "D" "A" "A" "D" "A"
  [73] "A" "A" "A" "A" "E" "A" "A" "B" "A" "A" "A" "E" "E" "F" "A" "C" "C"
  [91] "C" "E" "C" "A" "A" "A" "F" "E" "D" "E" "C" "D" "F" "C" "E" "H" "D" "A"
 [109] "A" "A" "D" "F" "A" "E" "E" "A" "D" "D" "D" "G" "C" "A" "G" "A" "D" "H"
 [127] "E" "C" "A" "A" "C" "C" "D" "C" "A" "D" "E" "A" "D" "G" "G" "G" "E" "D" "D"
 [145] "E" "E" "H" "A" "H" "D" "C" "F" "A" "E" "H" "D" "C" "D" "A" "D" "G" "C"
 [163] "G" "D" "G" "E" "G" "H" "H" "E" "E" "F" "D" "E" "E" "C" "E" "F" "C" "E"
 [181] "G" "A" "A" "C" "D" "A" "D" "F" "D" "A" "D" "A" "D" "A" "A" "E"
 [199] "A" "C" "A" "H" "D" "E" "A" "A" "E" "D" "A" "D" "E" "A" "A" "A" "A" "D" "A"
## [217] "A" "A" "A" "A" "F" "A" "E" "D" "F" "D" "E" "A" "E" "E" "C" "C" "G" "D"
```

```
## [253] "A" "A" "G" "D" "A" "C" "C" "E" "F" "F" "E" "A" "C" "G" "A" "D" "D" "E"
## [271] "E" "F" "C" "C" "A" "D" "F" "C" "D" "F" "A" "A" "A" "E" "D" "A" "E" "A"
## [289] "E" "E" "E" "A" "A" "G" "A" "A" "A" "C" "F"
##
## $booking_changes
    ##
   ## [297] 0 0 0
##
## $deposit_type
##
    [1] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
    [6] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [11] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [16] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
   [21] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [26] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [31] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
   [36] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
##
   [41] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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   [71] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
##
   [76] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [81] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [86] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [91] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
  [96] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [101] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [106] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [111] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [116] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [121] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [126] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [131] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [136] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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## [146] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [151] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [156] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [161] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [166] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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## [176] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [181] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [186] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
```

```
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## [211] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [216] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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## [226] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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## [261] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
## [266] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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   [276] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
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   [286] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [291] "No Deposit" "No Deposit" "No Deposit" "No Deposit" "No Deposit"
   [296] "No Deposit" "No Deposit" "No Deposit" "No Deposit"
##
##
   $agent
     [1] "NULL" "NULL" "NULL" "304"
                                       "240"
                                               "240"
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                         73.80 113.00
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              87.30
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  [181] 185.00
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## [191] 110.70 93.60
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                                                79.50 47.25 126.65
## [211] 107.00 131.00 131.00 123.00 146.00 110.70 73.80 61.00 104.72 104.72
## [221] 104.72 66.42 77.96 112.00 107.00 89.68 155.00 112.00 130.10 100.10
## [231] 123.00 124.00 146.00 97.00 123.00 153.00 82.00 105.08 65.42 98.00
             65.50 90.95 93.60 119.25 134.73 112.00 118.13 131.00
## [241]
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  [291] 123.00 123.00 144.90 153.00 131.00 100.00 65.50 123.00 123.00
##
##
## $required_car_parking_spaces
##
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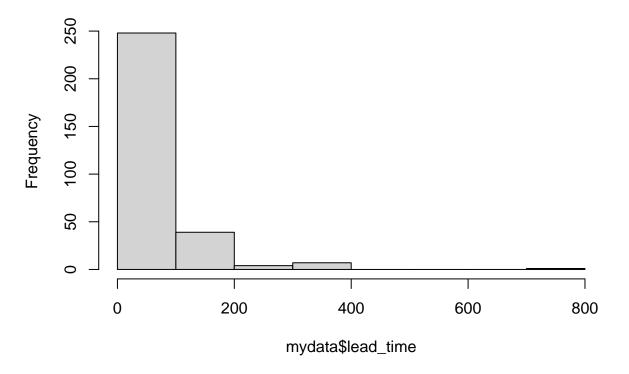
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##
## $total of special requests
         \begin{smallmatrix} [1] \end{smallmatrix} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 3 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 3 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.0cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 1 \hspace{.05cm} 1 \hspace{.05cm} 0 \hspace{.05cm} 0 \hspace{.05cm} 0
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      ##
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     [297] 0 1 0
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##
     $reservation_status
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        [7] "Check-Out" "Check-Out" "Canceled" "Canceled" "Canceled"
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       [19] "Check-Out" "Check-Out" "Check-Out" "Check-Out" "Check-Out" "Check-Out"
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       [67] "Check-Out" "Check-Out" "Canceled"
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##
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## [296] "13-07-2015" "13-07-2015" "13-07-2015" "14-07-2015"
```

#Command for producing a histogram
hist(mydata\$lead_time)

Histogram of mydata\$lead_time



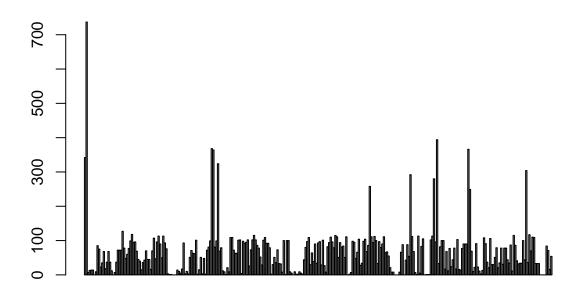
```
#Make a stem plot
stem(mydata$lead_time)
```

##

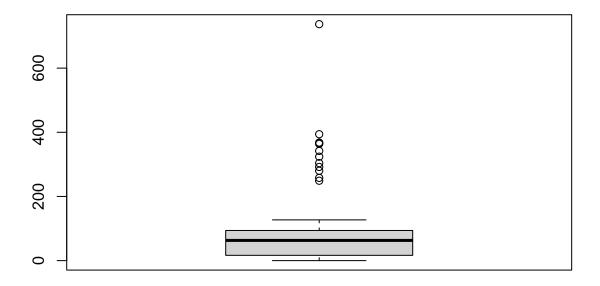
```
##
  The decimal point is 2 digit(s) to the right of the |
##
  ##
##
  ##
##
  1 |
##
  2 |
  2 | 5689
##
##
  3 | 024
##
  3 | 6779
##
  4 |
##
  4 |
##
  5 I
##
  5 |
##
  6 |
##
  6 |
  7 | 4
```

#Produces a barplot

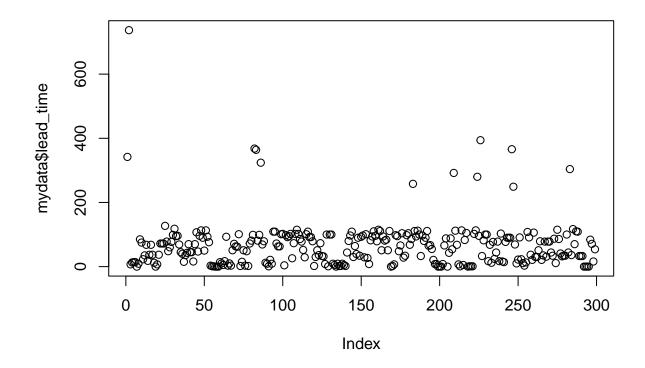
barplot(mydata\$lead_time)



```
#Produces a box Plot
boxplot(mydata$lead_time)
```



#Produces a scatterplot
plot(mydata\$lead_time)



sample(mydata\$lead_time)

```
##
      [1]
           93
                40
                      0 368
                               33
                                     2
                                        65 127 102 292
                                                            21
                                                                 41 100
                                                                          79
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                                                                                    69
                                                                                         21
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             2
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     [19]
     [37]
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                                                                          33
                                                                               30
##
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                                                                                         51
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     [55]
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                                    96
                                          1
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                                                 109
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##
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           51 106
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                                                                    102 101
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                                                            78
                                                                 17 111 113
   [271] 112 113
                      0
                          22
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                                    72
                                        34 101
                                                  86
                                                        1
                                                                               33
                                                                                    34 104
## [289]
           23 111
                           9 109
                                                  51
                                                            78
                                    15
                                        97
                                             84
                                                       37
```

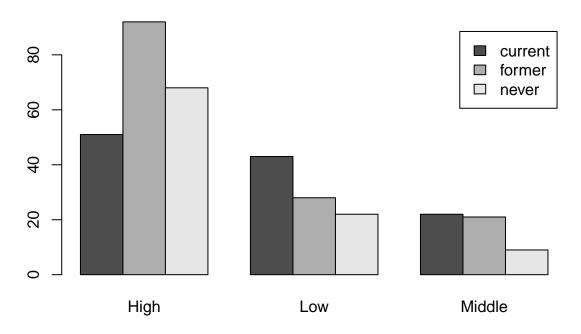
dbinom(0,5,..5)

[1] 0.03125

```
sum(dbinom(0:2, 5, .5))
## [1] 0.5
pbinom(2, 5, .5)
## [1] 0.5
table(rbinom(10000, 5, .5)) / 10000
##
##
                      2
               1
                             3
## 0.0309 0.1556 0.3149 0.3178 0.1505 0.0303
binom.test(29, 200, .21)
##
## Exact binomial test
##
## data: 29 and 200
## number of successes = 29, number of trials = 200, p-value = 0.02374
## alternative hypothesis: true probability of success is not equal to 0.21
## 95 percent confidence interval:
## 0.09930862 0.20156150
## sample estimates:
## probability of success
##
                    0.145
prop.test(29, 200, .21)
##
##
  1-sample proportions test with continuity correction
##
## data: 29 out of 200, null probability 0.21
## X-squared = 4.7092, df = 1, p-value = 0.03
## alternative hypothesis: true p is not equal to 0.21
## 95 percent confidence interval:
## 0.1007793 0.2032735
## sample estimates:
       p
## 0.145
1 - pchisq(3.1309, 5)
## [1] 0.679813
pchisq(3.1309, df=5, lower.tail=F)
## [1] 0.679813
```

```
qchisq(c(.001,.005,.01,.025,.05,.95,.975,.99,.995,.999), 2)
## [1] 0.002001001 0.010025084 0.020100672 0.050635616 0.102586589
  [6] 5.991464547 7.377758908 9.210340372 10.596634733 13.815510558
qchisq(c(.999,.995,.99,.975,.95,.05,.025,.01,.005,.001), 2, lower.tail=F)
   [1] 0.002001001 0.010025084 0.020100672 0.050635616 0.102586589
##
    [6] 5.991464547 7.377758908 9.210340372 10.596634733 13.815510558
observedCounts = c(35, 27, 33, 40, 47, 51)
claimedProbabilities = c(.13, .13, .14, .16, .24, .20)
chisq.test(observedCounts, p=claimedProbabilities)
##
## Chi-squared test for given probabilities
## data: observedCounts
## X-squared = 3.1309, df = 5, p-value = 0.6798
smoke = matrix(c(51,43,22,92,28,21,68,22,9),ncol=3,byrow=TRUE)
colnames(smoke) = c("High","Low","Middle")
rownames(smoke) = c("current", "former", "never")
smoke = as.table(smoke)
smoke
           High Low Middle
##
## current
            51 43
## former
             92 28
                        21
## never
             68 22
summary(smoke)
## Number of cases in table: 356
## Number of factors: 2
## Test for independence of all factors:
## Chisq = 18.51, df = 4, p-value = 0.0009808
prop.table(smoke)
##
                            Low
                                    Middle
                 High
## current 0.14325843 0.12078652 0.06179775
## former 0.25842697 0.07865169 0.05898876
           0.19101124 0.06179775 0.02528090
## never
prop.table(smoke, 1)
##
                            Low
                                     Middle
                 High
## current 0.43965517 0.37068966 0.18965517
## former 0.65248227 0.19858156 0.14893617
          0.68686869 0.22222222 0.09090909
## never
```

Hotel Booking Prediction



```
#tools for Poisson distributions
dpois(2:7, 4.2)

## [1] 0.13226099 0.18516538 0.19442365 0.16331587 0.11432111 0.06859266

ppois(1, 4.2)

## [1] 0.077977

data(mydata)

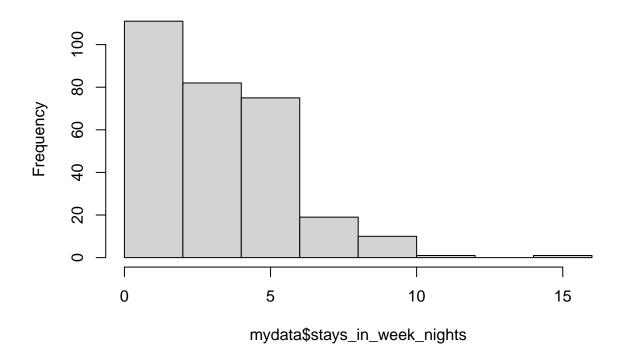
## Warning in data(mydata): data set 'mydata' not found

#power calculations for 1- and 2-sample t
power.t.test(n=20, delta=.1, sd=.4, sig.level=.05)

## Two-sample t test power calculation
## ## n = 20
```

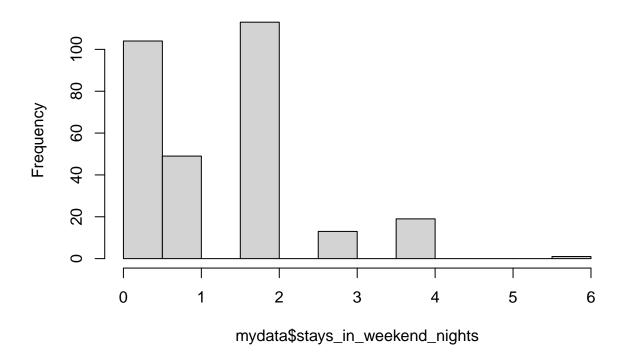
```
##
             delta = 0.1
##
                sd = 0.4
##
         sig.level = 0.05
##
            power = 0.1171781
##
       alternative = two.sided
##
## NOTE: n is number in *each* group
*power calculations for 1- and 2-sample t
power.t.test(delta=.1, sd=.4, sig.level=.05, power=.8)
##
##
        Two-sample t test power calculation
##
##
                 n = 252.1281
##
             delta = 0.1
##
                sd = 0.4
##
         sig.level = 0.05
##
            power = 0.8
##
       alternative = two.sided
##
## NOTE: n is number in *each* group
data(mydata)
## Warning in data(mydata): data set 'mydata' not found
#Command for producing a histogram
hist(mydata$stays_in_week_nights)
```

Histogram of mydata\$stays_in_week_nights



#Command for producing a histogram
hist(mydata\$stays_in_weekend_nights)

Histogram of mydata\$stays_in_weekend_nights



#Lists memory contents ls(mydata)

```
##
    [1] "adr"
                                          "adults"
    [3] "agent"
                                          "arrival_date_day_of_month"
    [5] "arrival_date_month"
                                          "arrival_date_week_number"
    [7] "arrival_date_year"
                                          "assigned_room_type"
   [9] "babies"
##
                                          "booking_changes"
## [11] "children"
                                          "company"
  [13] "country"
                                          "customer_type"
  [15] "days_in_waiting_list"
                                          "deposit_type"
                                          "hotel"
  [17] "distribution_channel"
  [19] "is_canceled"
                                          "is_repeated_guest"
  [21] "lead time"
                                          "market_segment"
##
  [23]
       "meal"
                                          "previous_bookings_not_canceled"
## [25] "previous_cancellations"
                                          "required_car_parking_spaces"
## [27] "reservation_status"
                                          "reservation_status_date"
## [29] "reserved_room_type"
                                          "stays_in_week_nights"
## [31] "stays_in_weekend_nights"
                                          "total_of_special_requests"
```

[1] "data.frame"

class(mydata)