R Notebook

The following is your first chunk to start with. Remember, you can add chunks using the menu above (Insert -> R) or using the keyboard shortcut Ctrl+Alt+I. A good practice is to use different code chunks to answer different questions. You can delete this comment if you like.

Other useful keyboard shortcuts include Alt- for the assignment operator, and Ctrl+Shift+M for the pipe operator. You can delete these reminders if you don't want them in your report.

```
#setwd("C:/") #Don't forget to set your working directory before you start!
library("tidyverse")
## — Attaching packages
                                                            - tidyverse 1.3.0
## √ ggplot2 3.2.1
                       √ purrr
                                 0.3.3
## √ tibble 2.1.3
                       √ dplyr
                                 0.8.3
## √ tidyr 1.0.0
                       √ stringr 1.4.0
## √ readr 1.3.1
                       √ forcats 0.4.0
## — Conflicts
tidyverse conflicts() —
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                   masks stats::lag()
library("tidymodels")
## — Attaching packages
                                                           - tidymodels 0.0.3
## √ broom
               0.5.3
                         √ recipes
                                     0.1.9
## √ dials
               0.0.4
                         √ rsample
                                     0.0.5
## √ infer
               0.5.1
                         √ yardstick 0.0.4
## √ parsnip
               0.0.5
## — Conflicts
tidymodels_conflicts() —
## x scales::discard()
                         masks purrr::discard()
## x dplyr::filter()
## x recipes::fixed()
                         masks stats::filter()
                         masks stringr::fixed()
## x dplyr::lag()
                         masks stats::lag()
## x dials::margin()
                         masks ggplot2::margin()
```

```
## x yardstick::spec() masks readr::spec()
## x recipes::step() masks stats::step()
## x recipes::yj_trans() masks scales::yj_trans()
library("plotly")
##
## Attaching package: 'plotly'
## The following object is masked from 'package:ggplot2':
##
##
       last_plot
## The following object is masked from 'package:stats':
##
       filter
##
## The following object is masked from 'package:graphics':
##
##
       layout
library("skimr")
library("lubridate")
##
## Attaching package: 'lubridate'
## The following object is masked from 'package:base':
##
##
       date
library("car")
## Loading required package: carData
## Registered S3 methods overwritten by 'car':
##
    method
                                      from
##
     influence.merMod
                                      1me4
##
     cooks.distance.influence.merMod lme4
##
    dfbeta.influence.merMod
                                     1me4
     dfbetas.influence.merMod
##
                                     lme4
##
## Attaching package: 'car'
## The following object is masked from 'package:dplyr':
##
##
       recode
## The following object is masked from 'package:purrr':
##
##
       some
```

```
dfbOrg <- read csv("assignment2BikeShare.csv")</pre>
## Parsed with column specification:
## cols(
##
     DATE = col_date(format = ""),
##
     HOLIDAY = col character(),
     WEEKDAY = col_character(),
##
##
     WEATHERSIT = col double(),
     TEMP = col_double(),
##
##
     ATEMP = col_double(),
##
     HUMIDITY = col double(),
##
     WINDSPEED = col double(),
     CASUAL = col_double(),
##
     REGISTERED = col double()
##
## )
dfb0rg
## # A tibble: 731 x 10
     DATE
                 HOLIDAY WEEKDAY WEATHERSIT TEMP ATEMP HUMIDITY WINDSPEED
CASUAL
##
      <date>
                 <chr>
                          <chr>>
                                      <dbl> <dbl> <dbl> <dbl>
                                                             <dbl>
                                                                        <dbl>
<dbl>
## 1 2011-01-01 NO
                          NO
                                            2 11
                                                     11
                                                              81
                                                                           17
331
                          NO
                                            2
                                                9
                                                      6.5
                                                              71.5
                                                                           17
## 2 2011-01-02 NO
131
## 3 2011-01-03 NO
                          YES
                                                1
                                                      4
                                                              44
                                                                           18
                                            1
120
## 4 2011-01-04 NO
                          YES
                                            1
                                                2
                                                      2.5
                                                                            9
                                                               64
108
## 5 2011-01-05 NO
                          YES
                                                2.5
                                                      1
                                                              42.5
                                            1
                                                                           13
82
## 6 2011-01-06 NO
                          YES
                                            1
                                                2
                                                      2
                                                              52
                                                                            6
88
## 7 2011-01-07 NO
                          YES
                                            2
                                                1
                                                      3
                                                              47.5
                                                                           11
148
## 8 2011-01-08 NO
                          NO
                                            2
                                                1
                                                      5
                                                              51
                                                                           17
68
## 9 2011-01-09 NO
                          NO
                                                2
                                                      8.5
                                                              46
                                                                           25
                                            1
54
## 10 2011-01-10 NO
                          YES
                                                2
                                                      6
                                                               50
                                                                           15
                                            1
41
## # ... with 721 more rows, and 1 more variable: REGISTERED <dbl>
skim(dfb0rg)
```

Data summary

Name dfbOrg Number of rows 731 Number of columns 10

Column type frequency:

character 2
Date 1
numeric 7

Group variables None

Variable type: character

skim_variable	n_missing	complete_rate	min	max	empty	n_unique	whitespace
HOLIDAY	0	1	2	3	0	2	0
WEEKDAY	0	1	2	3	0	2	0

Variable type: Date

skim_variable	n_missing	complete_rate	min	max	median	n_unique
DATE	0	1	2011-01-	2012-12-	2012-01-	731
			01	31	01	

Variable type: numeric

skim_vari	n_miss	complete_			p		р5			
able	ing	rate	mean	sd	0	p25	0	p75	p100	hist
WEATHE RSIT	0	1	1.40	0.54	1	1.0	1	2.00	3.00	■ _■
TEMP	0	1	15.87	8.83	1	8.0	16	23.15	34.00	-
ATEMP	0	1	16.00	9.67	1	6.6	16	23.95	41.00	- -
HUMIDIT Y	0	1	63.17	15.47	1 7	51.0	62	74.00	100.0 0	_ =
WINDSPE ED	0	1	12.82	5.54	0	9.0	12	16.00	40.16	-I -
CASUAL	0	1	848.1 8	686.6 2	2	315. 5	71 3	1096. 00	3410. 00	II. –
REGISTER ED	0	1	3656. 17	1560. 26	2 0	249 7.0	36 62	4776. 50	6946. 00	

#1.a.i. Data Preparation

dfbOrg < dfbOrg %>%

```
mutate(COUNT = CASUAL + REGISTERED)
dfb0rg
## # A tibble: 731 x 11
                 HOLIDAY WEEKDAY WEATHERSIT TEMP ATEMP HUMIDITY WINDSPEED
      DATE
CASUAL
                         <chr>>
                                     <dbl> <dbl> <dbl> <dbl>
##
      <date>
                 <chr>
                                                             <dbl>
                                                                       <dbl>
<dbl>
                                           2 11
                                                    11
                                                             81
## 1 2011-01-01 NO
                         NO
                                                                          17
331
## 2 2011-01-02 NO
                         NO
                                           2
                                               9
                                                     6.5
                                                              71.5
                                                                          17
131
## 3 2011-01-03 NO
                         YES
                                                     4
                                                              44
                                                                          18
                                           1
                                               1
120
## 4 2011-01-04 NO
                         YES
                                               2
                                                     2.5
                                                                           9
                                           1
                                                              64
108
## 5 2011-01-05 NO
                         YES
                                               2.5
                                                     1
                                                              42.5
                                           1
                                                                          13
82
## 6 2011-01-06 NO
                         YES
                                           1
                                               2
                                                     2
                                                              52
                                                                           6
88
## 7 2011-01-07 NO
                         YES
                                           2
                                               1
                                                     3
                                                             47.5
                                                                          11
148
## 8 2011-01-08 NO
                                           2
                                               1
                                                     5
                                                              51
                                                                          17
                         NO
68
## 9 2011-01-09 NO
                         NO
                                               2
                                                     8.5
                                                                          25
                                           1
                                                              46
54
## 10 2011-01-10 NO
                         YES
                                           1
                                               2
                                                     6
                                                              50
                                                                          15
## # ... with 721 more rows, and 2 more variables: REGISTERED <dbl>, COUNT
<dbl>
#1.a.ii
dfbOrg <-
  dfb0rg %>%
  mutate(MONTH = months(DATE,abbreviate = FALSE))
dfb0rg
## # A tibble: 731 x 12
                 HOLIDAY WEEKDAY WEATHERSIT TEMP ATEMP HUMIDITY WINDSPEED
      DATE
CASUAL
##
      <date>
                 <chr>>
                         <chr>
                                       <dbl> <dbl> <dbl>
                                                             <dbl>
                                                                       <dbl>
<dbl>
## 1 2011-01-01 NO
                         NO
                                           2 11
                                                    11
                                                              81
                                                                          17
331
## 2 2011-01-02 NO
                         NO
                                           2
                                               9
                                                     6.5
                                                              71.5
                                                                          17
131
## 3 2011-01-03 NO
                         YES
                                               1
                                                              44
                                           1
                                                     4
                                                                          18
120
## 4 2011-01-04 NO
                         YES
                                               2
                                                     2.5
                                                                           9
                                           1
                                                              64
108
```

```
## 5 2011-01-05 NO
                         YES
                                          1 2.5 1
                                                            42.5
                                                                        13
82
                                                            52
## 6 2011-01-06 NO
                         YES
                                                                          6
                                          1
                                              2
                                                    2
88
## 7 2011-01-07 NO
                         YES
                                                    3
                                          2
                                              1
                                                            47.5
                                                                        11
148
## 8 2011-01-08 NO
                         NO
                                          2
                                              1
                                                    5
                                                            51
                                                                        17
68
## 9 2011-01-09 NO
                         NO
                                              2
                                                    8.5
                                                                        25
                                          1
                                                             46
54
                         YES
## 10 2011-01-10 NO
                                          1
                                              2
                                                    6
                                                            50
                                                                        15
41
## # ... with 721 more rows, and 3 more variables: REGISTERED <dbl>, COUNT
<dbl>,
## #
     MONTH <chr>
#1.b
dfbStd <- cbind(dfb0rg[1:4], scale(dfb0rg[5:8]), dfb0rg[9:12])</pre>
dfbStd
##
            DATE HOLIDAY WEEKDAY WEATHERSIT
                                                    TEMP
                                                                 ATEMP
HUMIDITY
## 1
      2011-01-01
                       NO
                               NO
                                           2 -0.55208087 -0.5166362098
1.15262592
                                           2 -0.77864711 -0.9820289892
## 2
      2011-01-02
                       NO
                               NO
0.53843749
## 3
                                           1 -1.68491207 -1.2405805333 -
      2011-01-03
                       NO
                              YES
1.23947638
## 4
      2011-01-04
                       NO
                              YES
                                           1 -1.57162895 -1.3957114597
0.05355189
## 5
       2011-01-05
                       NO
                              YES
                                           1 -1.51498739 -1.5508423862 -
1.33645350
                                           1 -1.57162895 -1.4474217685 -
## 6
      2011-01-06
                       NO
                              YES
0.72226507
## 7
                       NO
                              YES
                                           2 -1.68491207 -1.3440011509 -
       2011-01-07
1.01319644
                                           2 -1.68491207 -1.1371599156 -
## 8
       2011-01-08
                       NO
                               NO
0.78691649
## 9
       2011-01-09
                       NO
                               NO
                                           1 -1.57162895 -0.7751877539 -
1.11017356
## 10 2011-01-10
                       NO
                              YES
                                           1 -1.57162895 -1.0337392980 -
0.85156790
## 11 2011-01-11
                       NO
                              YES
                                           2 -1.68491207 -1.2922908421 -
0.39900801
                                           1 -1.68491207 -1.0854496068 -
## 12 2011-01-12
                       NO
                              YES
0.52831083
## 13 2011-01-13
                       NO
                              YES
                                           1 -1.57162895 -0.9303186804 -
0.94854502
```

14 2011-01-14

0.59296225

NO

YES

1 -1.57162895 -1.3440011509 -

## 15 2011-01-15	NO	NO	2 -1.40170427 -1.2922908421 -
0.72226507 ## 16 2011-01-16	NO	NO	1 -1.51498739 -1.4474217685 -
0.88389361			1 1,51,50,55 1,1,7,121,005
## 17 2011-01-17	YES	YES	2 -1.68491207 -1.2405805333 -
0.98087073 ## 18 2011-01-18	NO	YES	2 -1.68491207 -1.3440011509
1.54053440	NO	163	2 -1.08491207 -1.3440011309
## 19 2011-01-19	NO	YES	2 -1.17513803 -1.3957114597
0.53843749			
## 20 2011-01-20 0.46365942	NO	YES	2 -1.34506271 -1.4474217685 -
## 21 2011-01-21	NO	YES	1 -1.57162895 -1.1371599156 -
1.36877921			
## 22 2011-01-22	NO	NO	1 -1.06185491 -0.5166362098 -
1.36877921	NO	NO	1 1 24506271 0 6200569275
## 23 2011-01-23 1.36877921	NO	NO	1 -1.34506271 -0.6200568275 -
## 24 2011-01-24	NO	YES	1 -1.51498739 -0.9303186804 -
0.91621932			
## 25 2011-01-25	NO	YES	2 -1.57162895 -1.2405805333
0.11820330 ## 26 2011-01-26	NO	YES	3 -1.57162895 -1.2405805333
1.92844289	110	123	3 1.3/102033 1.2403003333
## 27 2011-01-27	NO	YES	1 -1.62827051 -1.4474217685
0.44146037			
## 28 2011-01-28	NO	YES	2 -1.68491207 -1.4474217685
1.08797451	NO	NO	1 1 60401207 1 2057114507
## 29 2011-01-29 0.05355189	NO	NO	1 -1.68491207 -1.3957114597
## 30 2011-01-30	NO	NO	1 -1.45834583 -1.4474217685
0.44146037			
## 31 2011-01-31	NO	YES	2 -1.68491207 -1.2405805333 -
0.26970518			
## 32 2011-02-01 1.50820870	NO	YES	2 -1.57162895 -1.5508423862
## 33 2011-02-02	NO	YES	2 -1.51498739 -1.3957114597
1.92844289		. 23	2 2132130733 213337221337
## 34 2011-02-03	NO	YES	1 -1.68491207 -1.1888702244 -
1.23947638			
## 35 2011-02-04 0.26970518	NO	YES	2 -1.45834583 -1.4991320773 -
## 36 2011-02-05	NO	NO	2 -1.57162895 -1.5508423862
2.38100278	NO	NO	2 -1.3/102093 -1.3300423002
## 37 2011-02-06	NO	NO	1 -1.28842115 -1.3440011509 -
0.14040235			
## 38 2011-02-07	NO	YES	1 -1.23177959 -1.1371599156
0.76471744 ## 39 2011-02-08	NO	VEC	1 1 45024502 1 2405005222
1.49808204	NO	YES	1 -1.45834583 -1.2405805333 -
_ ,			

## 40 2011-02-09	NO	YES	2 -1.57162895 -1.0337392980 -
1.23947638 ## 41 2011-02-10	NO	YES	1 -1.57162895 -1.0854496068 -
1.40110492 ## 42 2011-02-11	NO	YES	1 -1.34506271 -1.2405805333 -
0.26970518 ## 43 2011-02-12	NO	NO	1 -1.40170427 -1.4474217685 -
1.27180209			
## 44 2011-02-13 1.75668769	NO	NO	1 -0.72200555 -1.0337392980 -
## 45 2011-02-14 1.46575633	NO	YES	1 -0.66536399 -1.0337392980 -
## 46 2011-02-15	NO	YES	1 -1.34506271 -1.2922908421 -
2.01529335	NO	123	1 1.545002/1 1.2522500421
## 47 2011-02-16	NO	YES	1 -0.89193023 -1.0854496068 -
1.23947638 ## 48 2011-02-17	NO	YES	1 0 26007207 0 2500046650
0.56063654	NO	YES	1 -0.26887307 -0.2580846658 -
## 49 2011-02-18	NO	YES	1 -0.04230683 -0.0512434305 -
0.78691649		. =5	_ 000,000
## 50 2011-02-19	NO	NO	1 -0.55208087 -0.5166362098 -
2.98506455			
## 51 2011-02-20	NO	NO	1 -1.11849647 -1.2405805333 -
1.33645350	\/F.C	\/FC	2 4 00524225 4 4274500456
## 52 2011-02-21	YES	YES	2 -1.00521335 -1.1371599156
0.18285472 ## 53 2011-02-22	NO	YES	1 -1.57162895 -1.0337392980 -
0.20505377	NO	123	1 -1.3/102033 -1.033/332300 -
## 54 2011-02-23	NO	YES	1 -1.45834583 -1.0337392980 -
0.98087073			
## 55 2011-02-24	NO	YES	2 -1.00521335 -1.2405805333
0.44146037			
## 56 2011-02-25	NO	YES	2 -1.00521335 -1.0337392980 -
0.20505377 ## 57 2011-02-26	NO	NO	1 -1.23177959 -1.3440011509 -
0.46365942	NO	NO	1 -1.23177939 -1.3440011309 -
## 58 2011-02-27	NO	NO	1 -0.77864711 -0.8268980627 -
0.07575094			_
## 59 2011-02-28	NO	YES	2 -0.66536399 -0.8268980627
1.92844289			
## 60 2011-03-01	NO	YES	1 -1.40170427 -1.2405805333 -
0.33435659	NO	VEC	1 1 00105401 1 2022000421
## 61 2011-03-02 1.69203628	NO	YES	1 -1.06185491 -1.2922908421 -
## 62 2011-03-03	NO	YES	1 -1.62827051 -1.3440011509 -
1.88599052			
## 63 2011-03-04	NO	YES	2 -1.17513803 -1.2405805333
0.27983184			
## 64 2011-03-05	NO	NO	2 -0.43879775 -0.4132155922
0.89402027			

## 65 2011-03-06	NO	NO	2 -0.49543931 -0.4649259010
2.38100278 ## 66 2011-03-07	NO	YES	1 -1.34506271 -1.2405805333 -
0.98087073			
## 67 2011-03-08	NO	YES	1 -1.11849647 -1.3440011509 -
1.14249926 ## 68 2011-03-09	NO	YES	2 -1.00521335 -1.3440011509
0.82936885	NO	163	2 -1.00921939 -1.9440011909
## 69 2011-03-10	NO	YES	3 -0.60872243 -0.6717671363
2.38100278	NO	VEC	2 1 00521225 1 240505222
## 70 2011-03-11 0.39900801	NO	YES	2 -1.00521335 -1.2405805333 -
## 71 2011-03-12	NO	NO	1 -0.83528867 -1.0854496068
0.02122618			
## 72 2011-03-13	NO	NO	1 -0.72200555 -0.7751877539 -
0.62528795 ## 73 2011-03-14	NO	YES	1 -0.94857179 -1.0854496068 -
1.01319644	NO	163	1 -0.54057175 -1.0054450000 -
## 74 2011-03-15	NO	YES	2 -1.00521335 -1.1371599156
0.31215754	NO	\/F.C	2 0 77064744 0 0260000627
## 75 2011-03-16 1.21727733	NO	YES	2 -0.77864711 -0.8268980627
## 76 2011-03-17	NO	YES	1 -0.43879775 -0.4132155922 -
0.01109952			
## 77 2011-03-18	NO	YES	1 0.35418409 0.3107287312 -
0.72226507 ## 78 2011-03-19	NO	NO	1 -0.21223151 -0.2063743570 -
1.62738487	NO	NO	1 -0.21223131 -0.2003/433/0 -
## 79 2011-03-20	NO	NO	1 -0.89193023 -1.1371599156 -
0.75459078			
## 80 2011-03-21 0.73239173	NO	YES	2 -0.38215619 -0.3615052834
## 81 2011-03-22	NO	YES	1 -0.32551463 -0.3097949746 -
0.43133371	-		
## 82 2011-03-23	NO	YES	2 -0.89193023 -1.1371599156
1.54053440 ## 83 2011-03-24	NO	YES	2 -1.17513803 -1.4474217685
0.82936885	INO	163	2 -1:1/313003 -1:44/421/083
## 84 2011-03-25	NO	YES	1 -1.28842115 -1.3440011509 -
1.23947638			
## 85 2011-03-26 1.36877921	NO	NO	1 -1.34506271 -1.4474217685 -
## 86 2011-03-27	NO	NO	2 -1.34506271 -1.3440011509 -
1.17482497			
## 87 2011-03-28	NO	YES	1 -1.34506271 -1.3440011509 -
2.40320183 ## 88 2011-03-29	NO	YES	1 -0.94857179 -1.1888702244 -
2.27389900	NU	1 E S	1 -0.5405/1/5 -1.1000/02244 -
## 89 2011-03-30	NO	YES	2 -1.00521335 -1.1371599156 -
0.39900801			

## 90 2011-03-31 1.92844289	NO	YES	3 -1.28842115 -1.4991320773
## 91 2011-04-01	NO	YES	2 -1.00521335 -1.2405805333 -
0.14040235			
## 92 2011-04-02	NO	NO	2 -1.00521335 -1.1888702244
0.15052901	110	NO	4 0 5500007 0 546626000
## 93 2011-04-03 1.23947638	NO	NO	1 -0.55208087 -0.5166362098 -
## 94 2011-04-04	NO	YES	1 0.69403345 0.5692802753 -
1.30412780			
## 95 2011-04-05	NO	YES	2 -0.66536399 -1.0337392980 -
0.20505377	110	\/F.C	4 0 20245640 0 2645052024
## 96 2011-04-06 1.43343062	NO	YES	1 -0.38215619 -0.3615052834 -
## 97 2011-04-07	NO	YES	1 -0.43879775 -0.4132155922 -
0.01109952	NO	163	1 -0.438/9//3 -0.4132133922 -
## 98 2011-04-08	NO	YES	2 -0.89193023 -1.0337392980
1.54053440	-		
## 99 2011-04-09	NO	NO	2 -0.77864711 -0.8268980627
1.54053440			
## 100 2011-04-10	NO	NO	2 -0.49543931 -0.4649259010
1.60518582	NO	VEC	2 0 52410077 0 4650506576
## 101 2011-04-11 0.63541461	NO	YES	2 0.52410877 0.4658596576
## 102 2011-04-12	NO	YES	2 0.01433473 0.0004668783
0.89402027	140	123	2 0.01+35+73 0.000+000705
## 103 2011-04-13	NO	YES	2 -0.49543931 -0.4649259010
1.41123158			
## 104 2011-04-14	NO	YES	1 -0.21223151 -0.2063743570 -
0.52831083			
## 105 2011-04-15	YES	YES	1 -0.32551463 -0.3097949746
0.24750613 ## 106 2011-04-16	NO	NO	3 -0.43879775 -0.4132155922
1.60518582	INO	NO	3 -0.436/9//3 -0.4132133922
## 107 2011-04-17	NO	NO	1 -0.26887307 -0.2580846658 -
1.30412780			
## 108 2011-04-18	NO	YES	1 0.12761785 0.1038874959 -
0.91621932			
## 109 2011-04-19	NO	YES	2 0.01433473 0.0004668783
0.27983184 ## 110 2011-04-20	NO	VEC	1 0 60402245 0 6200005941
0.56063654	NO	YES	1 0.69403345 0.6209905841 -
## 111 2011-04-21	NO	YES	1 -0.26887307 -0.2580846658 -
1.33645350		. 23	_ 0.1200,00, 0.12000,0000
## 112 2011-04-22	NO	YES	2 -0.89193023 -1.1371599156
0.18285472			
## 113 2011-04-23	NO	NO	2 -0.21223151 -0.2063743570
1.60518582	110	NO	2 0 25440400 0 2407207242
## 114 2011-04-24 1.28192875	NO	NO	2 0.35418409 0.3107287312
1.201320/3			

## 115 2011-04-25 0.70006603	NO	YES	1	0.58075033	0.5175699665	
## 116 2011-04-26	NO	YES	1	0.75067501	0.6727008929	
0.70006603 ## 117 2011-04-27	NO	YES	2	0.69403345	0.6209905841	
1.28192875 ## 118 2011-04-28	NO	YES	2	0.69403345	0.6209905841	
0.95867168						
## 119 2011-04-29 1.17482497	NO	YES	1	0.12761785	0.1038874959	-
## 120 2011-04-30 0.59296225	NO	NO	1	-0.32551463	-0.3097949746	-
## 121 2011-05-01	NO	NO	2	-0.21223151	-0.2063743570	
0.89402027	NO	VEC	2	0 41002565	0.2624200400	
## 122 2011-05-02 0.63541461	NO	YES	2	0.41082565	0.3624390400	
## 123 2011-05-03	NO	YES	2	0.69403345	0.6209905841	
0.21518042			_			
## 124 2011-05-04 0.73239173	NO	YES	2	-0.55208087	-0.5166362098	
## 125 2011-05-05	NO	YES	1	-0 04230683	-0.0512434305	_
1.56273345	NO	123	_	0.04230003	0.0312434303	
## 126 2011-05-06	NO	YES	1	-0.21223151	-0.2063743570	-
0.07575094						
## 127 2011-05-07	NO	NO	1	0.24090097	0.2073081136	-
0.91621932			_			
## 128 2011-05-08	NO	NO	1	0.12761785	0.1038874959	-
0.01109952 ## 129 2011-05-09	NO	YES	1	0.18425941	0.1555978047	
0.46365942	NO	163	1	0.10423941	0.1555976047	-
## 130 2011-05-10	NO	YES	1	0.18425941	0.1555978047	_
0.72226507						
## 131 2011-05-11	NO	YES	1	0.18425941	0.1555978047	-
0.10807664		\			0.007000404	
## 132 2011-05-12 0.95867168	NO	YES	1	0.24090097	0.2073081136	
## 133 2011-05-13	NO	YES	2	0.12761785	0.1038874959	
1.60518582	NO	NO	2	0 10761705	0 1020074050	
## 134 2011-05-14 1.99309430	NO	NO	2	0.12761785	0.1038874959	
## 135 2011-05-15	NO	NO	2	0.29754253	0.2590184224	
1.44355728						
## 136 2011-05-16 1.28192875	NO	YES	1	0.41082565	0.3624390400	
## 137 2011-05-17	NO	YES	2	0.35418409	0.3107287312	
1.60518582 ## 138 2011-05-18	NO	YES	2	0.24090097	0.2073081136	
1.60518582	NU	153	2	0.2403003/	0.20/3081136	
## 139 2011-05-19	NO	YES	2	0.18425941	0.1555978047	
1.60518582						

## 140 2011-05-20	NO	YES	1	0.29754253	0.2590184224	
0.18285472 ## 141 2011-05-21	NO	NO	1	0.63739189	0.5692802753	-
0.04342523 ## 142 2011-05-22	NO	NO	1	0.69403345	0.6209905841	
0.50611178 ## 143 2011-05-23	NO	YES	2	0 60402245	0 7244112017	
1.60518582	NO	163	2	0.69403345	0.7244112017	
## 144 2011-05-24 0.70006603	NO	YES	2	0.86395813	0.7761215105	
## 145 2011-05-25	NO	YES	1	0.97724125	0.8795421282	
0.24750613						
## 146 2011-05-26 0.15052901	NO	YES	1	1.20380749	1.1898039810	
## 147 2011-05-27 0.11820330	NO	YES	1	1.03388281	0.9312524370	
## 148 2011-05-28	NO	NO	1	0.92059969	0.8278318193	
0.70006603						
## 149 2011-05-29 1.28192875	NO	NO	1	0.92059969	0.9312524370	
## 150 2011-05-30	YES	YES	1	1.26044905	1.3449349075	
0.44146037						
## 151 2011-05-31 0.17272806	NO	YES	1	1.60029841	1.7586173780	-
## 152 2011-06-01	NO	YES	2	1.37373217	1.5517761428	
0.70006603						
## 153 2011-06-02	NO	YES	1	1.26044905	1.0346730546	-
2.17692188						
## 154 2011-06-03	NO	YES	1	0.69403345	0.5175699665	-
1.85366481						
## 155 2011-06-04	NO	NO	1	0.80731657	0.7244112017	-
1.07784785	NO	NO	2	0.00731657	0 7044112017	
## 156 2011-06-05 0.11820330	NO	NO	2	0.80/3165/	0.7244112017	
## 157 2011-06-06	NO	YES	1	0.97724125	0.8795421282	-
0.23737947						
## 158 2011-06-07 0.23737947	NO	YES	1	1.26044905	1.2932245987	-
## 159 2011-06-08	NO	YES	1	1.71358153	1.8620379956	-
0.07575094						
## 160 2011-06-09 0.85156790	NO	YES	2	1.60029841	1.7069070692	-
## 161 2011-06-10	NO	YES	1	1.48701529	1.5000658339	
0.17272806	NO	163	Т.	1.46/01329	1.3000036339	-
## 162 2011-06-11 0.07575094	NO	NO	1	1.20380749	1.2415142899	-
## 163 2011-06-12	NO	NO	1	0.97724125	0.9829627458	
0.95867168			_			
## 164 2011-06-13 1.14249926	NO	YES	1	0.80731657	0.6727008929	-
1.1727//20						

## 165 2011-06-14 0.85156790	NO	YES	1	0.58075033	0.5175699665	-
## 166 2011-06-15	NO	YES	1	0.75067501	0.6727008929	-
0.94854502 ## 167 2011-06-16	NO	YES	2	0.69403345	0.6209905841	
0.31215754 ## 168 2011-06-17	NO	YES	1	0.75067501	0.7244112017	
1.28192875 ## 169 2011-06-18	NO	NO	1	1.26044905	1.2415142899	_
0.07575094						
## 170 2011-06-19 0.27983184	NO	NO	2	1.14716593	1.1380936722	
## 171 2011-06-20 0.95867168	NO	YES	2	0.80731657	0.7244112017	
## 172 2011-06-21 0.95867168	NO	YES	2	1.03388281	1.0346730546	
## 173 2011-06-22	NO	YES	1	1.31709061	1.5000658339	
0.82936885 ## 174 2011-06-23	NO	YES	2	1.26044905	1.3449349075	
0.44146037	NO	VEC	4	1 20200740	4 4300036733	
## 175 2011-06-24 0.98087073	NO	YES	1	1.20380749	1.1380936722	-
## 176 2011-06-25	NO	NO	1	1.14716593	1.0346730546	-
0.98087073	NO	NO	4	1 14716502	1 0246720546	
## 177 2011-06-26 0.72226507	NO	NO	1	1.14716593	1.0346730546	-
## 178 2011-06-27	NO	YES	2	1.14716593	1.1380936722	
0.11820330						
## 179 2011-06-28	NO	YES	1	1.37373217	1.3966452163	
0.31215754	NO	VEC	1	1 26044005	1 1200026722	
## 180 2011-06-29 1.36877921	NO	YES	1	1.26044905	1.1380936722	-
## 181 2011-06-30	NO	YES	1	1.14716593	1.0346730546	-
1.36877921						
## 182 2011-07-01 1.36877921	NO	YES	1	1.14716593	1.0346730546	-
## 183 2011-07-02 1.01319644	NO	NO	1	1.37373217	1.2932245987	-
## 184 2011-07-03	NO	NO	2	1.09052437	1.0863833634	
0.44146037 ## 185 2011-07-04	YES	YES	2	1.37373217	1.4483555251	-
0.07575094	NO	VEC	4	4 40704530	4 4402555254	
## 186 2011-07-05 0.07575094	NO	YES	1	1.48701529	1.4483555251	-
## 187 2011-07-06 0.70006603	NO	YES	1	1.26044905	1.3449349075	
## 188 2011-07-07 0.07575094	NO	YES	1	1.37373217	1.5000658339	-
## 189 2011-07-08 0.99099739	NO	YES	2	1.14716593	1.1380936722	
0.77077733						

## 190 2011-07-09 0.33435659	NO	NO	1	1.37373217	1.3449349075	-
## 191 2011-07-10	NO	NO	1	1.37373217	1.4483555251	-
0.14040235 ## 192 2011-07-11	NO	YES	1	1.31709061	1.3966452163	_
0.14040235	NO	123	-	1.51705001	1.5500-52105	
## 193 2011-07-12 0.72226507	NO	YES	1	1.71358153	1.6551967604	-
## 194 2011-07-13	NO	YES	1	1.37373217	1.3449349075	-
0.33435659 ## 195 2011-07-14	NO	YES	1	0.97724125	0.8795421282	
0.94854502	NO	YES	1	0.9//24125	0.8/95421282	-
## 196 2011-07-15	NO	YES	1	0.92059969	0.8278318193	-
0.49598513 ## 197 2011-07-16	NO	NO	1	1.14716593	1 1200026722	
0.46365942	NO	NO	Т.	1.14/16595	1.1380936722	-
## 198 2011-07-17	NO	NO	1	1.31709061	1.3449349075	-
0.20505377						
## 199 2011-07-18 0.18285472	NO	YES	1	1.43037373	1.5000658339	
## 200 2011-07-19	NO	YES	1	1.48701529	1.7586173780	
0.18285472		. 23	_	11.0701313	21,75001,7,00	
## 201 2011-07-20	NO	YES	1	1.48701529	1.8620379956	
0.44146037						
## 202 2011-07-21	NO	YES	2	1.82686465	2.5859823191	
0.50611178 ## 203 2011-07-22	NO	YES	1	1.94014777	2.2757204662	_
0.36668230	NO	123	_	1.54014///	2.2737204002	
## 204 2011-07-23	NO	NO	1	1.82686465	2.0688792309	-
0.72226507						
## 205 2011-07-24	NO	NO	1	1.82686465	2.0688792309	-
0.52831083 ## 206 2011-07-25	NO	YES	1	1.37373217	1.5517761428	
1.02332309	NO	163	_	1.3/3/321/	1.5517701420	
## 207 2011-07-26	NO	YES	1	1.54365685	1.5000658339	-
1.01319644						
## 208 2011-07-27 1.27180209	NO	YES	1	1.54365685	1.3966452163	-
## 209 2011-07-28	NO	YES	1	1.60029841	1.8620379956	_
0.46365942				_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
## 210 2011-07-29	NO	YES	1	1.94014777	2.0171689221	-
1.07784785	NO	NO	1	1 (5(0))07	1 (551067604	
## 211 2011-07-30 1.01319644	NO	NO	1	1.65693997	1.6551967604	-
## 212 2011-07-31	NO	NO	1	1.60029841	1.6551967604	-
0.52831083						
## 213 2011-08-01	NO	YES	1	1.37373217	1.3449349075	-
0.43133371 ## 214 2011-08-02	NO	YES	1	1.71358153	1.6551967604	_
1.01319644	140	123	1	1.71556155	1.0551507004	

## 215 2011-08-03 0.33435659	NO	YES	2 1.37373217 1.3449349075 -	
## 216 2011-08-04	NO	YES	2 1.14716593 1.1380936722	
0.70006603 ## 217 2011-08-05	NO	YES	1 1.14716593 1.1380936722	
0.11820330 ## 218 2011-08-06	NO	NO	2 1.26044905 1.4483555251	
0.95867168 ## 219 2011-08-07	NO	NO	1 1.26044905 1.3449349075	
1.34658016				
## 220 2011-08-08 0.43133371	NO	YES	1 1.48701529 1.5517761428 -	
## 221 2011-08-09 0.39900801	NO	YES	1 1.60029841 1.5000658339 -	
## 222 2011-08-10 1.56273345	NO	YES	1 1.48701529 1.3449349075 -	
## 223 2011-08-11	NO	YES	1 1.20380749 1.0863833634 -	
1.36877921 ## 224 2011-08-12	NO	YES	1 1.20380749 1.0863833634 -	
1.36877921				
## 225 2011-08-13 0.70006603	NO	NO	2 1.03388281 1.0346730546	
## 226 2011-08-14 1.31425446	NO	NO	2 0.92059969 0.9312524370	
## 227 2011-08-15 0.37680896	NO	YES	1 0.92059969 0.8278318193	
## 228 2011-08-16	NO	YES	1 1.14716593 1.1380936722 -	
0.33435659				
## 229 2011-08-17	NO	YES	1 1.31709061 1.2415142899 -	
0.43133371	NO	VEC	4 4 02200204 0 0020627450	
## 230 2011-08-18 0.27983184	NO	YES	1 1.03388281 0.9829627458	
## 231 2011-08-19	NO	YES	2 0.86395813 0.8795421282	
1.12030021	110	123	2 0.00333013 0.0733421202	
## 232 2011-08-20	NO	NO	1 1.20380749 1.1898039810	
0.24750613	110	NO	4 4 4 4 7 4 6 5 0 2 4 2 4 4 5 4 4 2 0 0 0	
## 233 2011-08-21 1.02332309	NO	NO	1 1.14716593 1.2415142899	
## 234 2011-08-22	NO	YES	1 1.09052437 1.0346730546 -	
1.53040775				
## 235 2011-08-23 0.88389361	NO	YES	1 0.75067501 0.6727008929 -	
## 236 2011-08-24	NO	YES	1 1.14716593 1.1380936722 -	
0.26970518				
## 237 2011-08-25 0.95867168	NO	YES	2 1.03388281 0.9312524370	
## 238 2011-08-26	NO	YES	1 1.26044905 1.4483555251	
1.02332309				
## 239 2011-08-27 1.34658016	NO	NO	2 0.92059969 0.9312524370	
T. 240200IO				

## 240 2011-08-28 0.11820330	NO	NO	1	0.92059969	0.8278318193	
## 241 2011-08-29	NO	YES	1	0.75067501	0.6727008929 -	
0.65761366						
## 242 2011-08-30 0.62528795	NO	YES	1	0.86395813	0.7761215105 -	
## 243 2011-08-31	NO	YES	1	0.92059969	0.8278318193 -	
0.14040235						
## 244 2011-09-01	NO	YES	1	0.92059969	0.8278318193 -	
0.23737947	NO	VEC	2	0.00724657	0.704444047	
## 245 2011-09-02 0.70006603	NO	YES	2	0.80731657	0.7244112017	
## 246 2011-09-03	NO	NO	1	0.92059969	0.0705421202	
0.44146037	NO	NO	1	0.92039909	0.8795421282	
## 247 2011-09-04	NO	NO	1	1.26044905	1.3449349075	
0.70006603	NO	NO	1	1.20044903	1.3443343073	
## 248 2011-09-05	YES	YES	2	0.97724125	0.9312524370	
0.82936885	163	163	2	0.9//24123	0.3312324370	
## 249 2011-09-06	NO	YES	3	0.24090097	0.2073081136	
1.60518582	NO	163	3	0.24030037	0.20/3001130	
## 250 2011-09-07	NO	YES	3	0.58075033	0.5175699665	
1.99309430	NO	YES	3	0.380/3033	0.51/5099005	
## 251 2011-09-08	NO	YES	3	0.69403345	0.7244112017	
1.99309430	NO	163	3	0.03403343	0.7244112017	
## 252 2011-09-09	NO	YES	2	0.69403345	0.7244112017	
1.99309430	NO	163	2	0.03403343	0./24411201/	
## 253 2011-09-10	NO	NO	1	0.80731657	0.7244112017	
0.95867168	NO	NO	1	0.00/3103/	0./24411201/	
## 254 2011-09-11	NO	NO	1	0.80731657	0.7244112017	
0.63541461	NO	NO	1	0.00/3103/	0.7244112017	
## 255 2011-09-12	NO	YES	1	0.80731657	0.7244112017	
0.53843749	NO	163	1	0.00/3103/	0./24411201/	
## 256 2011-09-13	NO	YES	1	0.80731657	0.7244112017	
0.82936885	NO	112		0.00/3103/	0.7244112017	
## 257 2011-09-14	NO	YES	1	a 92059969	0.8278318193	
0.40913466	NO	163	_	0.0200000	0.02/0310133	
## 258 2011-09-15	NO	YES	2	0 63739189	0.5692802753	
0.37680896	NO	163	2	0.03/33183	0.3032002733	
## 259 2011-09-16	NO	YES	2	0 01433473	0.0004668783 -	
0.39900801	NO	123	2	0.01433473	0.0004000703	
## 260 2011-09-17	NO	NO	2	0 01433473	0.0004668783	
0.57076320	NO	110	_	0.01433473	0.000+000703	
## 261 2011-09-18	NO	NO	1	0.18425941	0.1555978047	
0.31215754	NO	110	_	0.10-255-1	0.1555576047	
## 262 2011-09-19	NO	YES	2	0.35418409	0.3107287312	
0.31215754			_	1.111.110		
## 263 2011-09-20	NO	YES	2	0.35418409	0.3107287312	
1.60518582		5	_	2.22.20.03	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
## 264 2011-09-21	NO	YES	2	0.63739189	0.5692802753	
1.99309430			_			

## 265 2011-09-22 1.99309430	NO	YES	2	0.69403345	0.7244112017	
## 266 2011-09-23	NO	YES	2	0.69403345	0.7244112017	
1.99309430	NO	NO	2	0 (0402245	0 (200005941	
## 267 2011-09-24 1.60518582	NO	NO	2	0.69403345	0.6209905841	
## 268 2011-09-25	NO	NO	2	0.75067501	0.7244112017	
1.44355728	NO	VEC	2	0 00734657	0 0270240402	
## 269 2011-09-26 1.60518582	NO	YES	2	0.80731657	0.8278318193	
## 270 2011-09-27	NO	YES	2	0.75067501	0.7761215105	
1.66983723						
## 271 2011-09-28 1.60518582	NO	YES	2	0.58075033	0.5175699665	
## 272 2011-09-29	NO	YES	1	0.58075033	0.5175699665	
0.21518042		. 23	_	0.3007.3033	0.51,5055005	
## 273 2011-09-30	NO	YES	1	0.24090097	0.2073081136	-
0.39900801	NO	NO	2	0 55300007	0 5166363000	
## 274 2011-10-01 0.89402027	NO	NO	2 -	0.55208087	-0.5166362098	
## 275 2011-10-02	NO	NO	2 -	0.77864711	-1.0337392980	
1.21727733					_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
## 276 2011-10-03	NO	YES	2 -	0.55208087	-0.5166362098	
0.89402027	NO	VEC	4	0.04220602	0.0542424205	
## 277 2011-10-04 0.44146037	NO	YES	1 -	0.04230683	-0.0512434305	
## 278 2011-10-05	NO	YES	1	0.12761785	0.1038874959	
0.34448325						
## 279 2011-10-06	NO	YES	1 -	0.04230683	-0.0512434305	-
0.01109952	NO	VEC	4	0 04422472	0.0004660703	
## 280 2011-10-07 0.31215754	NO	YES	1	0.01433473	0.0004668783	
## 281 2011-10-08	NO	NO	1	0.07097629	0.0521771871	
0.89402027						
## 282 2011-10-09	NO	NO	1	0.18425941	0.1555978047	
1.08797451 ## 283 2011-10-10	YES	YES	1	0.35418409	0.3107287312	
1.12030021	YES	YES	1	0.35418409	0.310/28/312	
## 284 2011-10-11	NO	YES	2	0.46746721	0.4141493488	
1.28192875						
## 285 2011-10-12	NO	YES	3	0.24090097	0.2073081136	
1.79914006	NO	VEC	2	0 46746721	0 4141402400	
## 286 2011-10-13 1.60518582	NO	YES	2	0.46746721	0.4141493488	
## 287 2011-10-14	NO	YES	2	0.35418409	0.3107287312	
1.60518582						
## 288 2011-10-15	NO	NO	1	0.01433473	0.0004668783	-
1.04552214 ## 289 2011-10-16	NO	NO	1	0.24090097	0.2073081136	
0.91621932	NO	IVO	1	0.2403003/	0.20/3001130	-

## 290 2011-10-17	NO	YES	1 0.24090097 0.2073081136 -	
0.49598513 ## 291 2011-10-18	NO	YES	2 0.18425941 0.1555978047	
0.60308891		\/=6		
## 292 2011-10-19 1.99309430	NO	YES	3 0.18425941 0.1555978047	
## 293 2011-10-20	NO	YES	1 -0.09894839 -0.1029537393 -	
0.33435659				
## 294 2011-10-21 0.43133371	NO	YES	1 -0.43879775 -0.4132155922 -	
## 295 2011-10-22	NO	NO	1 -0.49543931 -0.4649259010 -	
0.01109952				
## 296 2011-10-23	NO	NO	1 -0.43879775 -0.4132155922	
0.89402027 ## 297 2011-10-24	NO	YES	1 -0.21223151 -0.2063743570	
1.21727733	NO	163	1 -0.21223131 -0.2003/433/0	
## 298 2011-10-25	NO	YES	1 -0.21223151 -0.2063743570	
0.27983184				
## 299 2011-10-26 0.57076320	NO	YES	2 -0.04230683 -0.0512434305	
## 300 2011-10-27	NO	YES	2 -0.09894839 -0.1029537393	
1.44355728				
## 301 2011-10-28	NO	YES	2 -0.94857179 -1.1371599156 -	
0.14040235 ## 302 2011-10-29	NO	NO	3 -1.34506271 -1.4991320773	
1.54053440	NO	NO	5 -1.343002/1 -1.4991320//3	
## 303 2011-10-30	NO	NO	1 -1.06185491 -1.0337392980	
0.18285472				
## 304 2011-10-31	NO	YES	1 -0.89193023 -1.0337392980	
0.82936885		\	4 0 44534300 0 4000540055	
## 305 2011-11-01 0.53843749	NO	YES	1 -0.66536399 -0.6200568275	
## 306 2011-11-02	NO	YES	1 -0.72200555 -0.7751877539	
0.70006603				
## 307 2011-11-03	NO	YES	1 -0.55208087 -0.5166362098	
0.82936885 ## 308 2011-11-04	NO	YES	2 -0.55208087 -0.5166362098 -	
0.14040235	NO	YES	2 -0.55208087 -0.5100502098 -	
## 309 2011-11-05	NO	NO	1 -1.00521335 -1.1371599156 -	
0.65761366				
## 310 2011-11-06	NO	NO	1 -0.77864711 -0.8268980627	
0.99099739 ## 311 2011-11-07	NO	YES	1 -0.77864711 -0.8268980627	
1.37890587	NO	123	1 0.77004711 0.0200300027	
## 312 2011-11-08	NO	YES	1 -0.66536399 -0.6200568275	
1.05564880		\/=c	4 0 5500005 0 544404000	
## 313 2011-11-09 1.54053440	NO	YES	1 -0.55208087 -0.5166362098	
## 314 2011-11-10	NO	YES	2 -0.77864711 -0.9303186804	
1.21727733				

1.30412780 ## 316 2011-11-12 NO NO 1 -0.55208087 -0.5166362098 - 0.33435659 ## 317 2011-11-13 NO NO 1 -0.21223151 -0.2063743570 - 1.23947638 ## 318 2011-11-14 NO YES 1 0.35418409 0.3107287312 - 0.10807664 ## 319 2011-11-15 NO YES 2 0.24090097 0.2073081136 0.31215754 ## 312 0.2011-11-16 NO YES 3 -0.21223151 -0.2063743570 1.99309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226507 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 322 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 322 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 326 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-24 NO YES 1 -0.77864711 -0.9303186804 - 0.149040235 ## 329 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 329 2011-11-26 NO NO 1 -0.77200555 -0.6717671363 0.82936885 ## 330 2011-11-28 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 333 2011-11-28 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 333 2011-11-28 NO YES 1 -0.83528867 -0.8786083716 0.50651178 ## 333 2011-11-28 NO YES 1 -0.83528867 -0.8786083716 0.50651178 ## 333 2011-11-28 NO YES 1 -0.83528867 -0.8786083716 0.50651178 ## 333 2011-11-28 NO YES 1 -1.1849647 -1.2405805333 - 0.99300801 ## 333 2011-11-29 NO YES 1 -1.1849647 -1.2405805333 - 0.99300801 ## 333 2011-11-00 NO YES 1 -1.1849647 -1.2405805333 - 0.334356599 ## 337 2011-12-01 NO YES 1 -1.1849647 -1.2405805333 - 0.334356599 ## 337 2011-12-04 NO NO 1 -1.11849647 -1.2405805333 - 0.334356599 ## 337 2011-12-04 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 339 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.1562592 ## 337 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.1562592 ## 339 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.1562592 ## 339 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.1562592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922	## 315 2011-11-11	YES	YES	1 -1.00521335 -1.2405805333 -
0.33435659 ## 317 2011-11-13 NO NO 1 -0.21223151 -0.2063743570 - 1.23947638 ## 318 2011-11-14 NO YES 1 0.35418409 0.3107287312 - 0.10807664 ## 319 2011-11-15 NO YES 2 0.24090097 0.2073081136 0.31215754 ## 320 2011-11-17 NO YES 3 -0.21223151 -0.2063743570 1.99309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226507 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 322 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 323 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 327 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-24 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-25 NO YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 329 2011-11-26 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-27 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 333 2011-11-28 NO YES 1 -0.09894839 -0.1029537393 0.57076320 ## 332 2011-11-28 NO YES 1 -0.09894839 -0.1029537393 0.57076320 ## 333 2011-11-29 NO YES 1 -1.00521335 -1.2405805333 - 0.93908001 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 338 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.39908001 ## 337 2011-12-02 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 338 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 338 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 338 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 338 2011-12-02 NO YES 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		5		
## 317 2011-11-13 NO NO 1 -0.21223151 -0.2063743570 - 1.23947638 ## 318 2011-11-14 NO YES 1 0.35418409 0.3107287312 - 0.10807664 ## 319 2011-11-15 NO YES 2 0.24090097 0.2073081136 0.31215754 ## 320 2011-11-16 NO YES 3 -0.21223151 -0.2063743570 1.9309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226567 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 323 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 324 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 327 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-24 YES YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 328 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 333 2011-11-27 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-28 NO YES 1 -0.2063743579 -0.495937393 0.57076320 ## 332 2011-11-28 NO YES 1 -0.2063743570 -0.8786083716 0.92634597 ## 333 2011-11-29 NO YES 1 -0.81528867 -0.8786083716 0.99603801 ## 333 2011-11-20 NO YES 1 -1.00521335 -1.2405805333 -0.93090801 ## 333 2011-11-20 NO YES 1 -1.11849647 -1.2405805333 -0.3990801 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 -0.3990801 ## 337 2011-12-02 NO YES 1 -1.11849647 -1.2405805333 -0.3990801 ## 337 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 ## 338 2011-12-05 NO YES 2 -0.43879775 -0.4132155922	## 316 2011-11-12	NO	NO	1 -0.55208087 -0.5166362098 -
1.23947638 ## 318 2011-11-14 NO YES				
## 318 2011-11-14 NO YES 1 0.35418409 0.3107287312 - 0.10807664 ## 319 2011-11-15 NO YES 2 0.24090097 0.2073081136 0.31215754 ## 320 2011-11-16 NO YES 3 -0.21223151 -0.2063743570 1.99309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226507		NO	NO	1 -0.21223151 -0.2063743570 -
0.10807664 ## 319 2011-11-15 NO YES 2 0.24090097 0.2073081136 0.31215754 ## 320 2011-11-16 NO YES 3 -0.21223151 -0.2063743570 1.09309430 0.72226507 ## 321 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 322 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 322 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-1 NO YES 3 -0.32551463 -0.3097949746 1.09309430 ## 326 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.09309430 ## 327 2011-11-23 NO YES 3 -0.49543931 -0.4649259010 1.19309430 ## 327 2011-11-25 NO YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 329 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 330 2011-11-26 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-27 NO NO 1 -0.09894839 -0.1029537393 0.57076320 ## 332 2011-11-28 NO YES 1 -0.4786475 -0.4132155922 1.28192875 ## 333 2011-11-0 NO YES 1 -1.106521335 -1.2405805333 - 0.46365942 ## 333 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 333 2011-12-02 NO YES 1 -1.11849647 -1.188702244 0.02122618 ## 333 2011-12-03 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 333 2011-12-05 NO YES 2 -0.43879775 -0.4132155922				
## 319 2011-11-15 NO YES 2 0.24090097 0.2073081136 0.31215754 ## 320 2011-11-16 NO YES 3 -0.21223151 -0.2063743570 1.99309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 -0.72226507 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 -1.30412780 ## 322 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 -0.68993937 ## 324 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 326 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-23 NO YES 2 -0.32551463 -0.3097949746 0.21518042 YES YES 1 -0.77864711 -0.9303186804 -0.14040235 ## 329 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 330 2011-11-26 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-28 NO YES 2 -0.43879775 -0.4132155922 1.28192875 ## 333 2011-11-29 NO YES 2 -0.43879775 -0.4132155922 ## 335 2011-12-01 NO YES 1 -1.00521335 -1.2405805333 -0.39900801 ## 335 2011-12-01 NO YES 1 -1.00521335 -1.2405805333 -0.39900801 ## 335 2011-12-02 NO YES 1 -1.11849647 -1.2405805333 -0.39900801 ## 335 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 -0.33435659 ## 333 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922 ## 339 2011-12-06 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	YES	1 0.35418409 0.3107287312 -
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## 320 2011-11-16 NO YES 3 -0.21223151 -0.2063743570 1.99309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226507 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 323 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 324 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 326 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-23 NO YES 2 -0.32551463 -0.3097949746 0.21518042 ## 328 2011-11-24 YES YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 332 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.5061178 ## 331 2011-11-27 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-28 NO YES 1 0.12761785 0.1038874959 0.92634597 ## 332 2011-11-29 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 335 2011-12-01 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 338 2011-12-03 NO NO 1 -1.11849647 -1.1248805333 - 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	YES	2 0.2409009/ 0.20/3081136
1.99309430 ## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226507 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 323 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 324 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 326 2011-11-22 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-23 NO YES 2 -0.32551463 -0.3097949746 0.21518842 ## 328 2011-11-24 YES YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 332 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 330 2011-11-26 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-27 NO NO 1 -0.09894839 -0.1029537393 0.57076320 ## 332 2011-11-28 NO YES 1 0.12761785 0.1038874959 0.92634597 ## 333 2011-11-29 NO YES 1 -1.00521335 -1.2405805333 - 0.39908801 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	VES	3 -0 21223151 -0 2063743570
## 321 2011-11-17 NO YES 2 -0.89193023 -1.2405805333 - 0.72226507 ## 322 2011-11-18 NO YES 1 -1.34506271 -1.4474217685 - 1.30412780 ## 323 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 0.722450613 ## 325 2011-11-20 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 326 2011-11-21 NO YES 3 -0.49543931 -0.4649259010 1.99309430 ## 327 2011-11-23 NO YES 2 -0.32551463 -0.3097949746 0.21518042 ## 328 2011-11-24 YES YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 329 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.82936885 ## 331 2011-11-26 NO NO 1 -0.09894839 -0.1029537393 0.57076320 ## 332 2011-11-28 NO YES 1 0.12761785 0.1038874959 0.92634597 ## 333 2011-11-29 NO YES 1 -1.109521335 -1.2405805333 - 0.39900801 ## 334 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 335 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		110	123	3 0.21223131 0.2003743370
0.72226507 ## 322 2011-11-18		NO	YES	2 -0.89193023 -1.2405805333 -
1.30412780 ## 323 2011-11-19 NO NO 1 -0.77864711 -0.8786083716 - 0.68993937 ## 324 2011-11-20 NO NO 2 -0.21223151 -0.2063743570 0.24750613 ## 325 2011-11-21 NO YES 3 -0.32551463 -0.3097949746 1.99309430 ## 327 2011-11-22 NO YES 2 -0.32551463 -0.3097949746 0.21518042 ## 328 2011-11-24 YES YES 1 -0.77864711 -0.9303186804 - 0.14040235 ## 329 2011-11-25 NO YES 1 -0.83528867 -0.8786083716 0.50611178 ## 330 2011-11-26 NO NO 1 -0.72200555 -0.6717671363 0.82936885 ## 331 2011-11-27 NO NO 1 -0.09894839 -0.1029537393 0.57076320 ## 332 2011-11-28 NO YES 1 0.12761785 0.1038874959 0.92634597 ## 333 2011-11-29 NO YES 2 -0.43879775 -0.4132155922 1.28192875 ## 334 2011-11-00 NO YES 1 -1.100521335 -1.2405805333 - 0.46365942 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 337 2011-12-02 NO YES 1 -1.11849647 -1.2405805333 - 0.333436659 ## 337 2011-12-03 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922				
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## 333 2011-11-29 NO YES 2 -0.43879775 -0.4132155922 1.28192875 ## 334 2011-11-30 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922	## 332 2011-11-28	NO	YES	1 0.12761785 0.1038874959
1.28192875 ## 334 2011-11-30 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922				
## 334 2011-11-30 NO YES 1 -1.00521335 -1.2405805333 - 0.39900801 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	YES	2 -0.43879775 -0.4132155922
0.39900801 ## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922				4 4 40504225 4 4 440505222
## 335 2011-12-01 NO YES 1 -1.11849647 -1.2405805333 - 0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	YES	1 -1.00521335 -1.2405805333 -
0.46365942 ## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	VEC	1 1 11040647 1 240606222
## 336 2011-12-02 NO YES 1 -1.00521335 -1.1371599156 - 0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	YES	1 -1.1184904/ -1.2403803333 -
0.33435659 ## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	VES	1 _1 00521335 _1 1371500156 _
## 337 2011-12-03 NO NO 1 -1.11849647 -1.1888702244 0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	163	1 -1.00321333 -1.13/1333130 -
0.02122618 ## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	NO	1 -1.11849647 -1.1888702244
## 338 2011-12-04 NO NO 1 -0.89193023 -0.9303186804 1.15262592 ## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922				
## 339 2011-12-05 NO YES 2 -0.43879775 -0.4132155922		NO	NO	1 -0.89193023 -0.9303186804
	1.15262592			
1.54053440	## 339 2011-12-05	NO	YES	2 -0.43879775 -0.4132155922
	1.54053440			

## 340 2011-12-06 2.38100278	NO	YES	3 -0.21223151 -0.2063743570
## 341 2011-12-07	NO	YES	3 -0.32551463 -0.3097949746
2.38100278 ## 342 2011-12-08	NO	YES	1 -1.34506271 -1.4474217685 -
0.46365942 ## 343 2011-12-09	NO	YES	1 -1.17513803 -1.1888702244
0.63541461 ## 344 2011-12-10	NO	NO	1 -1.34506271 -1.4474217685 -
0.88389361 ## 345 2011-12-11	NO	NO	1 -1.57162895 -1.3440011509 -
0.46365942 ## 346 2011-12-12	NO	YES	1 -1.40170427 -1.2405805333
0.44146037	NO	113	1 -1.401/042/ -1.2403003333
## 347 2011-12-13 0.65761366	NO	YES	1 -1.11849647 -1.2405805333 -
## 348 2011-12-14 0.18285472	NO	YES	2 -1.00521335 -1.0337392980
## 349 2011-12-15	NO	YES	2 -0.21223151 -0.2063743570
0.02122618 ## 350 2011-12-16	NO	YES	2 -0.89193023 -1.1371599156 -
1.11017356 ## 351 2011-12-17	NO	NO	2 -1.34506271 -1.5508423862 -
0.46365942 ## 352 2011-12-18	NO	NO	1 -1.57162895 -1.4991320773 -
0.20505377	NO	NO	1 -1.3/102093 -1.4991320//3 -
## 353 2011-12-19	NO	YES	1 -1.00521335 -1.1371599156 -
0.23737947 ## 354 2011-12-20	NO	YES	2 -0.72200555 -0.7234774451 -
0.17272806			
## 355 2011-12-21 1.60518582	NO	YES	2 -0.32551463 -0.3097949746
## 356 2011-12-22	NO	YES	2 -0.32551463 -0.3097949746
1.21727733 ## 357 2011-12-23	NO	YES	1 -0.66536399 -0.8268980627
0.18285472 ## 358 2011-12-24	NO	NO	1 -1.11849647 -1.2405805333 -
0.56063654 ## 359 2011-12-25	NO	NO	1 -1.28842115 -1.4474217685
0.47378608	VEC	VEC	4 0 00402022 4 4274500456
## 360 2011-12-26 1.11017356	YES	YES	1 -0.89193023 -1.1371599156 -
## 361 2011-12-27 1.18495163	NO	YES	2 -1.00521335 -1.0854496068
## 362 2011-12-28 1.11017356	NO	YES	1 -1.00521335 -1.3440011509 -
## 363 2011-12-29 0.30203089	NO	YES	1 -1.28842115 -1.3440011509 -
## 364 2011-12-30 0.18285472	NO	YES	1 -0.89193023 -1.1371599156
0.102034/2			

## 365 2011-12-31 0.07575094	NO	NO	1 -0.55208087 -0.5166362098 -
## 366 2012-01-01	NO	NO	1 -0.55208087 -0.5166362098
0.11820330 ## 367 2012-01-02	YES	YES	1 -1.34506271 -1.4474217685 -
1.72436199 ## 368 2012-01-03	NO	YES	1 -1.57162895 -0.8268980627 -
1.33645350	140	123	1 1.37102033 0.0200300027
## 369 2012-01-04 1.33645350	NO	YES	2 -1.57162895 -0.9303186804 -
## 370 2012-01-05	NO	YES	1 -1.40170427 -1.4474217685 -
0.46365942			
## 371 2012-01-06 0.85156790	NO	YES	1 -0.77864711 -0.9303186804 -
## 372 2012-01-07 1.17482497	NO	NO	1 -0.60872243 -0.6717671363 -
## 373 2012-01-08	NO	NO	1 -1.00521335 -1.0854496068 -
0.91621932			
## 374 2012-01-09	NO	YES	2 -1.57162895 -1.5508423862
0.44146037	NO	\/F.C	4 4 24506274 4 2405005222
## 375 2012-01-10 1.15262592	NO	YES	1 -1.34506271 -1.2405805333
## 376 2012-01-11	NO	YES	2 -1.00521335 -1.1371599156
1.54053440			
## 377 2012-01-12	NO	YES	2 -0.66536399 -0.8786083716
0.89402027			
## 378 2012-01-13	NO	YES	1 -1.34506271 -1.4474217685 -
1.11017356			
## 379 2012-01-14	NO	NO	1 -1.57162895 -1.1371599156 -
1.04552214			
## 380 2012-01-15	NO	NO	1 -1.68491207 -1.1371599156 -
1.30412780	VEC	VEC	4 4 24506274 4 4474247605
## 381 2012-01-16 0.59296225	YES	YES	1 -1.34506271 -1.4474217685 -
## 382 2012-01-17	NO	YES	2 -0.49543931 -0.6200568275
0.70006603	110	123	2 0.13313331 0.0200300273
## 383 2012-01-18	NO	YES	1 -1.11849647 -1.3957114597 -
1.36877921			
## 384 2012-01-19	NO	YES	1 -1.45834583 -1.4474217685 -
0.98087073			
## 385 2012-01-20 1.62738487	NO	YES	2 -1.57162895 -1.4474217685 -
## 386 2012-01-21	NO	NO	2 -1.68491207 -1.1371599156
1.15262592	IVO	NO	2 -1:00491207 -1:1371339130
## 387 2012-01-22	NO	NO	2 -1.68491207 -1.1371599156
1.08797451			
## 388 2012-01-23	NO	YES	2 -1.57162895 -1.5508423862
1.92844289	MO	VEC	1 1 00521225 1 0227202000
## 389 2012-01-24 1.54053440	NO	YES	1 -1.00521335 -1.0337392980
T. 74077440			

## 390 2012-01-25 0.18285472	NO	YES	1 -1.17513803 -1.1371599156
## 391 2012-01-26	NO	YES	2 -0.66536399 -0.6717671363
1.02332309 ## 392 2012-01-27	NO	YES	2 -0.43879775 -0.4132155922 -
0.39900801 ## 393 2012-01-28	NO	NO	1 -1.11849647 -1.2405805333 -
0.62528795 ## 394 2012-01-29	NO	NO	1 -1.11849647 -1.3440011509 -
2.24157330			
## 395 2012-01-30 1.30412780	NO	YES	1 -1.28842115 -1.3440011509 -
## 396 2012-01-31 1.53040775	NO	YES	1 -0.43879775 -0.4132155922 -
## 397 2012-02-01 0.72226507	NO	YES	1 -0.21223151 -0.2063743570 -
## 398 2012-02-02 0.24750613	NO	YES	2 -0.55208087 -0.5166362098
## 399 2012-02-03	NO	YES	1 -1.06185491 -1.2922908421 -
0.65761366 ## 400 2012-02-04	NO	NO	2 -1.45834583 -1.4474217685
1.15262592			
## 401 2012-02-05 0.11820330	NO	NO	2 -1.34506271 -1.5508423862
## 402 2012-02-06	NO	YES	1 -1.11849647 -1.2405805333
0.18285472 ## 403 2012-02-07	NO	YES	1 -0.94857179 -0.9820289892 -
1.01319644			
## 404 2012-02-08	NO	YES	2 -1.45834583 -1.5508423862
0.44146037	NO	VEC	4 4 22477050 4 2405005222
## 405 2012-02-09 0.65761366	NO	YES	1 -1.23177959 -1.2405805333 -
## 406 2012-02-10	NO	YES	2 -1.11849647 -1.2405805333 -
0.46365942		. 23	2 2,220,300, 2,2,0,000,3333
## 407 2012-02-11	NO	NO	3 -1.57162895 -1.5508423862
1.15262592			
## 408 2012-02-12 1.30412780	NO	NO	1 -1.57162895 -0.8268980627 -
## 409 2012-02-13	NO	YES	1 -1.34506271 -1.0854496068 -
1.11017356	110	123	1 1.545002/1 1.0054450000
## 410 2012-02-14	NO	YES	2 -0.94857179 -0.9820289892 -
0.85156790			
## 411 2012-02-15	NO	YES	1 -0.89193023 -1.0337392980 -
0.59296225	NO	VEC	2 1 00521225 1 0227202000
## 412 2012-02-16 0.82936885	NO	YES	2 -1.00521335 -1.0337392980
## 413 2012-02-17	NO	YES	1 -0.77864711 -0.9820289892 -
1.14249926			
## 414 2012-02-18	NO	NO	1 -0.83528867 -1.0854496068 -
1.23947638			

## 415 2012-02-19	NO	NO	2 -1.28842115 -1.4474217685 -
0.72226507	110	110	2 1.200 (2113 1.11) (21) (03)
## 416 2012-02-20	YES	YES	1 -1.34506271 -1.2405805333 -
0.98087073			
## 417 2012-02-21	NO	YES	1 -1.00521335 -1.2922908421
0.11820330			
## 418 2012-02-22	NO	YES	1 -0.38215619 -0.3615052834 -
0.39900801			
## 419 2012-02-23	NO	YES	1 -0.32551463 -0.3097949746 -
0.52831083			
## 420 2012-02-24	NO	YES	2 -0.55208087 -0.5166362098
1.05564880			
## 421 2012-02-25	NO	NO	1 -1.11849647 -1.4474217685 -
1.49808204			
## 422 2012-02-26	NO	NO	1 -1.28842115 -1.3440011509 -
1.36877921			
## 423 2012-02-27	NO	YES	1 -0.55208087 -0.5166362098 -
1.17482497		\/=0	4 0 00-000- 0 000040-004
## 424 2012-02-28	NO	YES	1 -0.83528867 -0.9303186804 -
1.53040775	NO	\/F.C	2 0 77064744 4 0227202000
## 425 2012-02-29	NO	YES	2 -0.77864711 -1.0337392980
1.54053440	NO	VEC	1 0 21222151 0 2062742570
## 426 2012-03-01	NO	YES	1 -0.21223151 -0.2063743570 -
0.85156790	NO	VEC	2 0 77064711 0 0202106004
## 427 2012-03-02 0.50611178	NO	YES	2 -0.77864711 -0.9303186804
## 428 2012-03-03	NO	NO	2 -0.55208087 -0.5166362098 -
0.78691649	NO	NO	2 -0.55208087 -0.5100502098 -
## 429 2012-03-04	NO	NO	1 -1.00521335 -1.3957114597 -
1.33645350	NO	NO	1 -1:00321333 -1:333/11433/ -
## 430 2012-03-05	NO	YES	1 -1.45834583 -1.4991320773 -
0.56063654	NO	123	1 1.49034903 1.4991320773
## 431 2012-03-06	NO	YES	1 -1.23177959 -1.2405805333 -
0.94854502			
## 432 2012-03-07	NO	YES	1 -0.32551463 -0.3097949746 -
0.39900801			
## 433 2012-03-08	NO	YES	1 0.35418409 0.3107287312 -
0.78691649			
## 434 2012-03-09	NO	YES	2 -0.66536399 -0.9303186804 -
1.88599052			
## 435 2012-03-10	NO	NO	1 -1.34506271 -1.3440011509 -
1.43343062			
## 436 2012-03-11	NO	NO	1 -0.60872243 -0.6200568275 -
0.85156790			
## 437 2012-03-12	NO	YES	1 0.07097629 0.0521771871 -
0.85156790			
## 438 2012-03-13	NO	YES	1 0.29754253 0.2590184224 -
0.20505377			
## 439 2012-03-14	NO	YES	1 0.35418409 0.3107287312 -
1.11017356			

## 440 2012-03-15 0.10807664	NO	YES	1 0.12761785 0.1038874959 -
## 441 2012-03-16	NO	YES	2 -0.32551463 -0.3097949746
1.60518582 ## 442 2012-03-17	NO	NO	2 0.12761785 0.1038874959
0.89402027	NO	NO	2 0.12/01/03 0.10300/4333
## 443 2012-03-18 1.21727733	NO	NO	2 -0.21223151 -0.2063743570
## 444 2012-03-19	NO	YES	1 0.35418409 0.3107287312
0.60308891	NO	\/F.C	4 0 0400000 0 0070004436
## 445 2012-03-20 1.28192875	NO	YES	1 0.24090097 0.2073081136
## 446 2012-03-21	NO	YES	2 0.12761785 0.1038874959
1.28192875			
## 447 2012-03-22 1.12030021	NO	YES	1 0.41082565 0.3624390400
## 448 2012-03-23	NO	YES	2 0.58075033 0.5175699665
0.37680896			
## 449 2012-03-24	NO	NO	2 0.01433473 0.0004668783
1.99309430	NO	NO	2 0 42070775 0 4122155022
## 450 2012-03-25 1.60518582	NO	NO	2 -0.43879775 -0.4132155922
## 451 2012-03-26	NO	YES	1 -0.26887307 -0.2580846658 -
1.98296764		. 23	1 0.2007.507 0.25000.0050
## 452 2012-03-27	NO	YES	1 -1.00521335 -1.1371599156 -
2.07994476			
## 453 2012-03-28	NO	YES	1 0.24090097 0.2073081136 -
1.11017356 ## 454 2012-03-29	NO	YES	1 -0.04230683 -0.0512434305 -
1.23947638	NO	ILS	1 -0.04230003 -0.0312434303 -
## 455 2012-03-30	NO	YES	2 -0.72200555 -0.7751877539 -
0.36668230			
## 456 2012-03-31	NO	NO	2 -0.55208087 -0.5166362098
0.82936885	NO	NO	2 0 20215610 0 2615052024
## 457 2012-04-01 0.53843749	NO	NO	2 -0.38215619 -0.3615052834
## 458 2012-04-02	NO	YES	1 -0.32551463 -0.3097949746 -
1.23947638			
## 459 2012-04-03	NO	YES	1 -0.04230683 -0.0512434305 -
1.36877921			
## 460 2012-04-04 1.11017356	NO	YES	1 0.35418409 0.3107287312 -
## 461 2012-04-05	NO	YES	1 -0.43879775 -0.4132155922 -
1.62738487	110	123	1 0.130/3//3 0.1132133322
## 462 2012-04-06	NO	YES	1 -0.49543931 -0.4649259010 -
1.82133911			
## 463 2012-04-07	NO	NO	1 -0.26887307 -0.2580846658 -
2.56483036 ## 464 2012-04-08	NO	NO	1 0.01433473 0.0004668783 -
2.43552754	NO	NO	1 0.014504000000 -

## 465 2012-04-09	NO	YES	1 -0.15558995 -0.1546640481 -	
2.07994476 ## 466 2012-04-10	NO	YES	1 -0.38215619 -0.3615052834 -	
1.65971057				
## 467 2012-04-11 0.91621932	NO	YES	1 -0.89193023 -1.1371599156 -	
## 468 2012-04-12	NO	YES	1 -0.43879775 -0.4132155922 -	
1.53040775				
## 469 2012-04-13	NO	YES	1 -0.32551463 -0.3097949746 -	
1.53040775				
## 470 2012-04-14	NO	NO	1 0.24090097 0.2073081136 -	
0.72226507	NO	NO	1 0 75067501 0 670700000	
## 471 2012-04-15 0.78691649	NO	NO	1 0.75067501 0.6727008929 -	
## 472 2012-04-16	YES	YES	1 0.97724125 0.8795421282 -	
0.49598513	123	123	1 0.5//24125 0.0/55421202	
## 473 2012-04-17	NO	YES	1 0.58075033 0.5175699665 -	
1.98296764				
## 474 2012-04-18	NO	YES	2 -0.21223151 -0.2063743570 -	
0.52831083				
## 475 2012-04-19	NO	YES	1 0.07097629 0.0521771871 -	
0.14040235	NO	VEC	4 0 40405044 0 4555070047	
## 476 2012-04-20	NO	YES	1 0.18425941 0.1555978047	
0.47378608 ## 477 2012-04-21	NO	NO	1 0.12761785 0.1038874959	
0.92634597	NO	NO	1 0.12/01/03 0.10300/4939	
## 478 2012-04-22	NO	NO	3 -0.66536399 -0.9303186804	
1.21727733				
## 479 2012-04-23	NO	YES	2 -1.00521335 -1.2405805333	
0.82936885				
## 480 2012-04-24	NO	YES	1 -0.32551463 -0.3097949746 -	
1.69203628			4 0 0000000 0 00040004	
## 481 2012-04-25	NO	YES	1 0.07097629 0.0521771871 -	
1.07784785 ## 482 2012-04-26	NO	YES	2 0.01433473 0.0004668783	
1.08797451	NO	113	2 0.01433473 0.0004008783	
## 483 2012-04-27	NO	YES	1 -0.32551463 -0.3097949746 -	
1.62738487				
## 484 2012-04-28	NO	NO	2 -0.66536399 -0.7751877539 -	
1.07784785				
## 485 2012-04-29	NO	NO	1 -0.15558995 -0.1546640481 -	
0.52831083			0 0 00554460 0 0005040546	
## 486 2012-04-30 0.46365942	NO	YES	2 -0.32551463 -0.3097949746 -	
## 487 2012-05-01	NO	YES	2 0.75067501 0.6727008929	
0.11820330	INO	1 L3	2 0./300/301 0.0/2/000323	
## 488 2012-05-02	NO	YES	1 0.35418409 0.3107287312	
1.28192875				
## 489 2012-05-03	NO	YES	2 0.46746721 0.4141493488	
0.95867168				

## 490 2012-05-04 0.95867168	NO	YES	1 0.63739189 0.5692802753
## 491 2012-05-05	NO	NO	2 0.58075033 0.5175699665
0.95867168 ## 492 2012-05-06	NO	NO	2 0.29754253 0.2590184224
0.76471744 ## 493 2012-05-07	NO	YES	2 0.24090097 0.2073081136 -
0.07575094			
## 494 2012-05-08 0.37680896	NO	YES	2 0.58075033 0.5175699665
## 495 2012-05-09	NO	YES	2 0.35418409 0.3107287312
1.08797451	NO	VEC	1 0 01433473 0 0004660703
## 496 2012-05-10	NO	YES	1 0.01433473 0.0004668783 -
0.91621932 ## 497 2012-05-11	NO	YES	1 0.29754253 0.2590184224 -
1.75668769	NO	YES	1 0.29/54255 0.2590184224 -
## 498 2012-05-12	NO	NO	1 0.41082565 0.3624390400 -
0.91621932	NO	NO	1 0.41082505 0.5024590400 -
	NO	NO	1 0.69403345 0.6209905841 -
## 499 2012-05-13 0.39900801	NO	NO	1 0.69403345 0.6209905841 -
	NO	VEC	2 0 46746721 0 4141402400
## 500 2012-05-14 1.28192875	NO	YES	2 0.46746721 0.4141493488
	NO	VEC	2 0 62720100 0 5602002752
## 501 2012-05-15	NO	YES	2 0.63739189 0.5692802753
0.95867168	NO	VEC	1 0 00724657 0 7244442047
## 502 2012-05-16	NO	YES	1 0.80731657 0.7244112017
0.70006603	NO	VEC	1 0 50075022 0 5175500665
## 503 2012-05-17	NO	YES	1 0.58075033 0.5175699665 -
0.91621932	NO	VEC	1 0 46746724 0 4444402400
## 504 2012-05-18	NO	YES	1 0.46746721 0.4141493488 -
1.01319644			
## 505 2012-05-19	NO	NO	1 0.63739189 0.5175699665 -
1.17482497			4 0 00=0445= 0 =04444004=
## 506 2012-05-20	NO	NO	1 0.80731657 0.7244112017 -
0.72226507			
## 507 2012-05-21	NO	YES	2 0.58075033 0.5175699665
1.28192875			
## 508 2012-05-22	NO	YES	2 0.69403345 0.6209905841
0.95867168			
## 509 2012-05-23	NO	YES	2 0.69403345 0.6209905841
1.28192875			
## 510 2012-05-24	NO	YES	1 0.80731657 0.7244112017
0.63541461			4 0 0==04405 0 000050=450
## 511 2012-05-25	NO	YES	1 0.97724125 0.9829627458
0.99099739			4 4 4 4 4 4 6 5 0 2 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
## 512 2012-05-26	NO	NO	1 1.14716593 1.1380936722
0.70006603			4 0 00000000 0 0000000
## 513 2012-05-27	NO	NO	1 0.92059969 0.8795421282
0.70006603			
## 514 2012-05-28	YES	YES	1 1.26044905 1.3449349075
0.18285472			

## 515 2012-05-29 0.44146037	NO	YES	1	1.14716593	1.2415142899	
## 516 2012-05-30	NO	YES	2	0.80731657	0.8278318193	
0.37680896 ## 517 2012-05-31	NO	YES	1	0.92059969	0.8278318193	_
1.04552214	NO	VEC	2	0 00734657	0 7244112017	
## 518 2012-06-01 0.95867168	NO	YES	2	0.80731657	0.7244112017	
## 519 2012-06-02	NO	NO	1	0.46746721	0.4141493488	-
0.91621932 ## 520 2012-06-03	NO	NO	1	0.69403345	0.5175699665	_
1.17482497						
## 521 2012-06-04 1.07784785	NO	YES	1	0.58075033	0.5175699665	-
## 522 2012-06-05	NO	YES	2	0.24090097	0.2073081136	-
0.46365942	NO	YES	1	0.24090097	0.2073081136	
## 523 2012-06-06 0.31215754	NO	YES	1	0.24090097	0.20/3081136	
## 524 2012-06-07	NO	YES	1	0.58075033	0.5175699665	-
0.88389361 ## 525 2012-06-08	NO	YES	1	0.97724125	0.8795421282	_
1.20715068	0		_	0,77,21223	0.0,55.22202	
## 526 2012-06-09 0.81924220	NO	NO	1	1.14716593	1.0863833634	-
## 527 2012-06-10	NO	NO	1	1.26044905	1.2415142899	_
0.33435659						
## 528 2012-06-11 0.33435659	NO	YES	2	1.26044905	1.2415142899	-
## 529 2012-06-12	NO	YES	2	0.92059969	0.9312524370	
1.60518582 ## 530 2012-06-13	NO	YES	1	0.80731657	0.7244112017	
0.75459078	NO	163	1	0.00/3103/	0.7244112017	-
## 531 2012-06-14	NO	YES	1	0.80731657	0.7244112017	-
0.39900801 ## 532 2012-06-15	NO	YES	1	0.80731657	0.7244112017	_
0.65761366						
## 533 2012-06-16 0.75459078	NO	NO	1	0.75067501	0.6727008929	-
## 534 2012-06-17	NO	NO	1	0.52410877	0.4658596576	-
0.30203089 ## 535 2012-06-18	NO	YES	2	0.41082565	0.3624390400	
0.95867168	NO	163	2	0.41002303	0.3024390400	
## 536 2012-06-19	NO	YES	1	1.14716593	1.1898039810	
0.70006603 ## 537 2012-06-20	NO	YES	1	1.82686465	1.7586173780	_
0.72226507			_			
## 538 2012-06-21 0.62528795	NO	YES	1	1.77022309	1.9654586133	-
## 539 2012-06-22	NO	YES	1	1.48701529	1.6551967604	-
0.33435659						

## 540 2012-06-23	NO	NO	1	1.37373217	1.2415142899 -	
1.14249926	NO	NO	1	1.3/3/321/	1.2415142099 -	
## 541 2012-06-24	NO	NO	1	1.48701529	1.3449349075 -	
0.78691649	NO	NO		1.46/01329	1.5449549075 -	
## 542 2012-06-25	NO	YES	1	1.14716593	1.1380936722 -	
1.17482497	NO	163	1	1.14/10393	1.1300930722 -	
## 543 2012-06-26	NO	YES	1	0.75067501	0.5692802753 -	
1.78901340	NO	163		0.73007301	0.3032002733 -	
## 544 2012-06-27	NO	YES	1	1.20380749	1.0863833634 -	
1.62738487	NO	ILS		1.20300749	1.0003033034 -	
## 545 2012-06-28	NO	YES	1	1.37373217	1.2415142899 -	
0.98087073	NO	ILS		1.3/3/3/1/	1.2413142033 -	
## 546 2012-06-29	NO	YES	1	1.94014777	2.3274307750 -	
0.72226507	NO	163		1.34014///	2.32/430//30 -	
## 547 2012-06-30	NO	NO	1	1.60029841	1.7586173780 -	
0.07575094	NO	NO	1	1.00029641	1./3001/3/00 -	
## 548 2012-07-01	NO	NO	1	1.82686465	1.7586173780 -	
1.23947638	NO	NO		1.02000403	1./3001/3/00 -	
## 549 2012-07-02	NO	YES	1	1.48701529	1.4483555251 -	
0.78691649	NO	163	1	1.46/01529	1.4403333231 -	
## 550 2012-07-03	NO	YES	1	1.43037373	1.4483555251 -	
0.56063654	NO	YES	1	1.4303/3/3	1.4483333231 -	
## 551 2012-07-04	YES	YES	1	1.77022309	1.7069070692 -	
	YES	YES	1	1.77022309	1./0090/0092 -	
0.75459078	NO	VEC	1	1 04014777	2 000702200	
## 552 2012-07-05	NO	YES	1	1.94014777	2.0688792309 -	
1.01319644	NO	VEC	1	1 02000465	1 0102276060	
## 553 2012-07-06	NO	YES	1	1.82686465	1.8103276868 -	
1.53040775	NO	NO	1	2 05242000	2 2274267756	
## 554 2012-07-07	NO	NO	1	2.05343089	2.3274307750 -	
1.07784785	NO	NO	4	4 74350453	2 0600702200	
## 555 2012-07-08	NO	NO	1	1.71358153	2.0688792309 -	
0.26970518	NO	VEC	2	1 14716500	1 2415142000	
## 556 2012-07-09	NO	YES	2	1.14716593	1.2415142899	
0.11820330	NO	VEC	2	1 14716500	1 1200026722	
## 557 2012-07-10	NO	YES	2	1.14716593	1.1380936722	
0.70006603	NO	VEC	4	4 26044005	4 2445442000	
## 558 2012-07-11	NO	YES	1	1.26044905	1.2415142899 -	
0.33435659	NO	VEC	4	4 26044005	4 4200026722	
## 559 2012-07-12	NO	YES	1	1.26044905	1.1380936722 -	
0.78691649	110	\/F.C	•	4 2727247	4 2445442000	
## 560 2012-07-13	NO	YES	2	1.37373217	1.2415142899 -	
0.98087073			•	4 44746500	4 0445440000	
## 561 2012-07-14	NO	NO	2	1.14716593	1.2415142899	
0.70006603						
## 562 2012-07-15	NO	NO	1	1.26044905	1.4483555251	
1.02332309		\/= =		4 40=4=4=	4 400 404	
## 563 2012-07-16	NO	YES	1	1.48701529	1.6034864516	
0.05355189						
## 564 2012-07-17	NO	YES	1	1.82686465	1.8620379956 -	
0.81924220						

## 565 2012-07-18 0.07575094	NO	YES	1	1.48701529	1.5517761428	-
## 566 2012-07-19	NO	YES	1	1.48701529	1.5517761428	-
0.33435659 ## 567 2012-07-20	NO	YES	2	0.92059969	0.9312524370	
1.31425446 ## 568 2012-07-21	NO	NO	3	0.58075033	0.5175699665	
1.60518582						
## 569 2012-07-22 0.70006603	NO	NO	2	0.92059969	0.8278318193	
## 570 2012-07-23 0.07575094	NO	YES	1	1.43037373	1.5517761428	-
## 571 2012-07-24	NO	YES	1	1.37373217	1.5000658339	
0.05355189						
## 572 2012-07-25 1.43343062	NO	YES	1	1.26044905	1.1380936722	-
## 573 2012-07-26	NO	YES	1	1.31709061	1.4483555251	
0.15052901						
## 574 2012-07-27	NO	YES	1	1.60029841	1.7586173780	-
0.26970518 ## 575 2012-07-28	NO	NO	1	1.37373217	1.4483555251	
0.18285472	NO	NO	_	1.3/3/3/321/	1.44000000201	
## 576 2012-07-29	NO	NO	1	1.26044905	1.2932245987	
0.15052901						
## 577 2012-07-30	NO	YES	1	1.26044905	1.3449349075	
0.44146037 ## 578 2012-07-31	NO	YES	1	1.14716593	1.1898039810	
0.57076320	NO	123	_	1.14/10333	1.10,000,0010	
## 579 2012-08-01	NO	YES	1	1.26044905	1.3449349075	
0.44146037						
## 580 2012-08-02	NO	YES	1	1.48701529	1.6551967604	
0.18285472 ## 581 2012-08-03	NO	YES	2	1.48701529	1.7069070692	
0.18285472		. 23	_	21.0702323	217005070052	
## 582 2012-08-04	NO	NO	1	1.65693997	1.9137483045	-
0.04342523 ## 583 2012-08-05	NO	NO	1	1.37373217	1.5517761428	
0.44146037	NO	110	-	1.37373217	1.5517701420	
## 584 2012-08-06	NO	YES	2	1.37373217	1.5517761428	
0.44146037		\	•	4 04044005	4 4400===0=4	
## 585 2012-08-07 0.44146037	NO	YES	2	1.26044905	1.4483555251	
## 586 2012-08-08	NO	YES	2	1.37373217	1.5000658339	
0.18285472						
## 587 2012-08-09	NO	YES	1	1.26044905	1.3449349075	-
0.33435659	NO	VEC	3	1 26044005	1 2440240075	
## 588 2012-08-10 0.44146037	NO	YES	2	1.26044905	1.3449349075	
## 589 2012-08-11	NO	NO	2	0.92059969	0.9312524370	
0.95867168						

## 590 2012-08-12 0.78691649	NO	NO	1 1.14716593 1.0346730546 -
## 591 2012-08-13	NO	YES	1 1.31709061 1.2932245987 -
0.20505377 ## 592 2012-08-14	NO	YES	1 1.26044905 1.3449349075
0.44146037 ## 593 2012-08-15 0.14040235	NO	YES	1 1.14716593 1.1380936722 -
## 594 2012-08-16 0.88389361	NO	YES	1 1.31709061 1.2415142899 -
## 595 2012-08-17 0.33435659	NO	YES	1 1.09052437 1.0346730546 -
## 596 2012-08-18 0.14040235	NO	NO	1 0.92059969 0.8278318193 -
## 597 2012-08-19 0.63541461	NO	NO	2 0.80731657 0.7244112017
## 598 2012-08-20 0.95867168	NO	YES	2 0.69403345 0.6209905841
## 599 2012-08-21 0.70006603	NO	YES	1 0.80731657 0.7244112017
## 600 2012-08-22 0.70006603	NO	YES	1 0.80731657 0.7761215105
## 601 2012-08-23 0.14040235	NO	YES	1 1.14716593 1.1380936722 -
## 602 2012-08-24 0.10807664	NO	YES	2 1.14716593 1.1380936722 -
## 603 2012-08-25 0.70006603	NO	NO	2 0.92059969 0.8278318193
## 604 2012-08-26 1.66983723	NO	NO	2 0.80731657 0.8278318193
## 605 2012-08-27 0.70006603	NO	YES	1 1.26044905 1.3449349075
## 606 2012-08-28 0.46365942	NO	YES	1 1.20380749 1.1898039810 -
## 607 2012-08-29 0.59296225	NO	YES	1 0.97724125 0.8795421282 -
## 608 2012-08-30 0.10807664	NO	YES	1 1.20380749 1.1898039810 -
## 609 2012-08-31 0.07575094	NO	YES	1 1.48701529 1.5517761428 -
## 610 2012-09-01 0.20505377	NO	NO	2 1.48701529 1.5517761428 -
## 611 2012-09-02 1.34658016	NO	NO	2 1.14716593 1.1898039810
## 612 2012-09-03 1.28192875	YES	YES	1 1.14716593 1.2415142899
## 613 2012-09-04 0.70006603	NO	YES	1 1.37373217 1.5517761428
## 614 2012-09-05 0.70006603	NO	YES	1 1.26044905 1.4483555251

## 615 2012-09-06 1.34658016	NO	YES	2	1.14716593	1.2415142899	
## 616 2012-09-07	NO	YES	1	1.14716593	1.2415142899	
0.70006603 ## 617 2012-09-08	NO	NO	2	0.92059969	0.9312524370	
1.60518582						
## 618 2012-09-09 0.81924220	NO	NO	1	0.63739189	0.5175699665	-
## 619 2012-09-10	NO	YES	1	0.58075033	0.5175699665	-
0.85156790 ## 620 2012-09-11	NO	YES	1	0.41082565	0.3624390400	_
0.36668230						
## 621 2012-09-12	NO	YES	1	0.58075033	0.5175699665	-
0.04342523 ## 622 2012-09-13	NO	YES	1	0.63739189	0.5692802753	
0.24750613	NO	112	1	0.03739189	0.3092802733	
## 623 2012-09-14	NO	YES	1	0.69403345	0.6209905841	
0.63541461	NO	NO	4	0 50075000	0 5475600665	
## 624 2012-09-15 1.11017356	NO	NO	1	0.58075033	0.5175699665	-
## 625 2012-09-16	NO	NO	1	0.52410877	0.4658596576	_
0.30203089			_			
## 626 2012-09-17	NO	YES	2	0.69403345	0.6209905841	
0.63541461						
## 627 2012-09-18	NO	YES	2	0.69403345	0.7244112017	
1.60518582 ## 628 2012-09-19	NO	YES	1	0.24090097	0.2073081136	_
0.26970518	140	123	_	0.24030037	0.2073001130	
## 629 2012-09-20	NO	YES	1	0.35418409	0.3107287312	
0.02122618						
## 630 2012-09-21	NO	YES	1	0.58075033	0.5175699665	
0.37680896 ## 631 2012-09-22	NO	NO	1	0.80731657	0.7244112017	
0.33435659	NO	NO	1	0.00/3103/	0.7244112017	-
## 632 2012-09-23	NO	NO	1	0.12761785	0.1038874959	-
1.01319644						
## 633 2012-09-24	NO	YES	1	0.07097629	0.0521771871	-
0.72226507 ## 634 2012-09-25	NO	YES	1	0.58075033	0.5175699665	
0.39900801	NO	153	1	0.560/5055	0.31/3099003	-
## 635 2012-09-26	NO	YES	1	0.69403345	0.6209905841	
0.05355189						
## 636 2012-09-27	NO	YES	2	0.58075033	0.5175699665	
0.95867168 ## 637 2012-09-28	NO	YES	2	0 60270514	0.6727008929	
0.35094839	INO	163	2	0.002/0314	0.0/2/000929	
## 638 2012-09-29	NO	NO	1	0.22957266	0.2383342989	-
0.48951999						
## 639 2012-09-30	NO	NO	1	0.16160279	0.1866239900	-
0.34082173						

## 640 2012-10-01 0.12466844	NO	YES	2 0.13894616 0.0935454342
## 641 2012-10-02	NO	YES	3 0.56942202 0.4451755341
1.70216294 ## 642 2012-10-03	NO	YES	2 0.84130151 0.8485159429
1.28192875 ## 643 2012-10-04	NO	YES	2 0.88661475 0.8174897576
0.65481004	NO	VEC	1 0 (7127602 0 (416747076
## 644 2012-10-05 0.04342523	NO	YES	1 0.67137683 0.6416747076 -
## 645 2012-10-06 0.18931986	NO	NO	1 0.32019916 0.3314128547
## 646 2012-10-07	NO	NO	2 -0.48411100 -0.5062941481
0.64834489	\/F <i>C</i>	\/F.C	2 0 65402560 0 6540020420
## 647 2012-10-08 0.55783292	YES	YES	2 -0.65403568 -0.6510830128
## 648 2012-10-09	NO	YES	2 -0.34817125 -0.2787687893
0.90048541			
## 649 2012-10-10	NO	YES	1 0.01433473 0.1245716195
0.41559981 ## 650 2012-10-11	NO	YES	1 -0.33684294 -0.2787687893 -
1.13603412	NO	163	1 -0.55064294 -0.2767067695 -
## 651 2012-10-12	NO	YES	1 -0.33684294 -0.2477426040 -
0.59296225	110	123	1 0.5500+254 0.2477420040
## 652 2012-10-13	NO	NO	1 -0.59739412 -0.5580044569 -
0.85156790			_ 0000,000000
## 653 2012-10-14	NO	NO	1 0.15027448 0.1555978047
0.02769132			
## 654 2012-10-15	NO	YES	2 0.39949734 0.2176501753
0.54490263			
## 655 2012-10-16	NO	YES	1 -0.16691826 -0.1650061099 -
0.47658970			
## 656 2012-10-17 0.33155297	NO	YES	1 -0.21223151 -0.1339799246
## 657 2012-10-18	NO	YES	2 0.11628954 0.0935454342
0.62248433	NO	165	2 0.11020994 0.0999494942
## 658 2012-10-19	NO	YES	2 0.38816903 0.3314128547
1.22374248			
## 659 2012-10-20	NO	NO	1 -0.06496345 -0.0719275540 -
0.38607772			
## 660 2012-10-21	NO	NO	1 -0.18957488 -0.1650061099 -
0.78045135	NO	VEC	1 0 02007052 0 0202172452
## 661 2012-10-22 0.50891541	NO	YES	1 -0.03097852 -0.0202172452 -
## 662 2012-10-23	NO	YES	1 0.32019916 0.2176501753 -
0.01756467			
## 663 2012-10-24	NO	YES	1 0.51278046 0.5899643988
0.01476104	110	\/FC	2 0 26255760 0 252226
## 664 2012-10-25	NO	YES	2 0.26355760 0.3520969782
1.17848649			

## 665 2012-10-26	NO	YES	2 0.26355760 0.3314128547
1.17848649 ## 666 2012-10-27	NO	NO	2 0.16160279 0.2176501753
0.58369348 ## 667 2012-10-28	NO	NO	2 -0.13293332 -0.1650061099
0.39620438 ## 668 2012-10-29	NO	YES	3 -0.59739412 -0.5580044569
1.37890587	NO		
## 669 2012-10-30 1.45002242	NO	YES	2 -1.08451153 -0.9613448657
## 670 2012-10-31	NO	YES	2 -0.80130373 -0.7338195069
0.35741353			
## 671 2012-11-01 0.34728688	NO	YES	2 -0.74466217 -0.7648456922 -
## 672 2012-11-02	NO	YES	1 -0.80130373 -0.7338195069 -
0.70933479		. 23	1 0100130373 017330133003
## 673 2012-11-03	NO	NO	2 -0.86927360 -0.8165560010 -
0.85156790	-	-	
## 674 2012-11-04	NO	NO	1 -0.98255672 -0.8786083716 -
0.58649711			
## 675 2012-11-05	NO	YES	1 -1.02786997 -0.9613448657 -
0.87742847			
## 676 2012-11-06	NO	YES	1 -1.22045128 -1.1371599156 -
0.37961258			
## 677 2012-11-07	NO	YES	2 -1.15248140 -1.0751075451 -
0.48305484			
## 678 2012-11-08	NO	YES	1 -0.84661698 -0.7027933216 -
1.84719967			
## 679 2012-11-09	NO	YES	1 -0.76731880 -0.7338195069 -
0.47658970			
## 680 2012-11-10	NO	NO	1 -0.60872243 -0.5580044569
0.11173816			
## 681 2012-11-11	NO	NO	1 -0.41614112 -0.2477426040
0.18285472			
## 682 2012-11-12	YES	YES	1 -0.03097852 -0.0409013688
0.71946145			
## 683 2012-11-13	NO	YES	2 -0.91458685 -0.7338195069
0.43499523			
## 684 2012-11-14	NO	YES	1 -1.18646634 -1.0751075451 -
0.46365942			
## 685 2012-11-15	NO	YES	2 -0.99388504 -0.9406607421 -
0.08221608			
## 686 2012-11-16	NO	YES	1 -0.86927360 -0.7338195069 -
0.67700909			
## 687 2012-11-17	NO	NO	1 -0.97122841 -0.9096345568 -
0.53477598			4 0 00000000 0 00000000
## 688 2012-11-18	NO	NO	1 -0.86927360 -0.7958718775
0.42206495		VEC	2 0 67660220 2 522226422
## 689 2012-11-19	NO	YES	2 -0.67669230 -0.5890306422 -
0.01756467			

## 690 2012-11-20	NO	YES	2 -0.69934892 -0.5580044569
0.38973924 ## 691 2012-11-21	NO	YES	1 -0.81263204 -0.7027933216 -
0.12100693		. 23	1 0101203201 017027333220
## 692 2012-11-22	YES	YES	1 -0.90325854 -0.7648456922 -
0.30849603	NO	VEC	1 0 (0024802 0 7027022216
## 693 2012-11-23 0.47012456	NO	YES	1 -0.69934892 -0.7027933216 -
## 694 2012-11-24	NO	NO	1 -1.27709284 -1.1061337303 -
1.42696548			
## 695 2012-11-25	NO	NO	1 -1.43568920 -1.2819487803 -
0.92914960	NO	VEC	1 1 01654166 0 0612449657
## 696 2012-11-26 0.61882281	NO	YES	1 -1.01654166 -0.9613448657 -
## 697 2012-11-27	NO	YES	2 -1.17513803 -1.1371599156
1.09443965			
## 698 2012-11-28	NO	YES	1 -1.14115309 -1.0233972362 -
0.86449818			
## 699 2012-11-29 1.07784785	NO	YES	1 -1.00521335 -1.0854496068 -
## 700 2012-11-30	NO	YES	1 -1.57162895 -1.4474217685
0.82936885	NO	163	1 -1.3/102033 -1.44/421/003
## 701 2012-12-01	NO	NO	2 -1.15248140 -1.1371599156
1.21081219			
## 702 2012-12-02	NO	NO	2 -0.43879775 -0.4132155922
1.21727733		\/F6	4 0 0 400 0 400 0 0 0 0 400 400 400 5
## 703 2012-12-03	NO	YES	1 -0.04230683 -0.0512434305
0.60308891 ## 704 2012-12-04	NO	YES	1 -0.09894839 -0.1029537393
0.31215754	NO	ILS	1 -0.03034033 -0.1023337333
## 705 2012-12-05	NO	YES	1 -0.32551463 -0.3097949746 -
1.04552214			
## 706 2012-12-06	NO	YES	1 -1.45834583 -1.3957114597 -
0.72226507			
## 707 2012-12-07	NO	YES	2 -0.94857179 -1.0854496068
0.82936885 ## 708 2012-12-08	NO	NO	2 -0.66536399 -0.6717671363
1.99309430	NO	NO	2 0.00330333 0.0717071303
## 709 2012-12-09	NO	NO	2 -0.55208087 -0.5166362098
1.60518582			
## 710 2012-12-10	NO	YES	2 -0.32551463 -0.3097949746
1.99309430	NO	\/F.C	2 0 00403003 4 4374500456
## 711 2012-12-11 0.20505377	NO	YES	2 -0.89193023 -1.1371599156 -
## 712 2012-12-12	NO	YES	2 -1.11849647 -1.3440011509 -
0.52831083		5	
## 713 2012-12-13	NO	YES	1 -1.23177959 -1.2405805333 -
0.65761366			
## 714 2012-12-14	NO	YES	1 -1.23177959 -1.2405805333
0.44146037			

## 715 2012-12-15 0.07575094	NO	NO		1	-0.77864711	-0.9303186804	-
## 716 2012-12-16	NO	NO		2	-0.77864711	-0.8268980627	
1.54053440 ## 717 2012-12-17	NO	YES		2	-0.55208087	-0.5166362098	
1.79914006							
## 718 2012-12-18 0.07575094	NO	YES		1	-0.49543931	-0.4649259010	-
## 719 2012-12-19 0.07575094	NO	YES		1	-1.00521335	-1.1371599156	-
## 720 2012-12-20	NO	YES		2	-0.89193023	-1.0337392980	
0.50611178	NO	\/F.C		_	4 00524225	1 2440044500	
## 721 2012-12-21 1.17482497	NO	YES		2	-1.00521335	-1.3440011509	-
## 722 2012-12-22	NO	NO		1	-1.34506271	-1.5508423862	_
1.17482497							
## 723 2012-12-23	NO	NO		1	-1.45834583	-1.3440011509	-
0.78691649 ## 724 2012-12-24	NO	YES		2	1 45024502	-1.5508423862	
1.08797451	NO	163		2	-1.45654565	-1.5506425662	
## 725 2012-12-25	YES	YES		2	-1.17513803	-1.2922908421	
0.66774032 ## 726 2012-12-26	NO	YES		3	-1.51498739	-1.3440011509	
1.54053440	110	123		,	1.31-30/33	1.3440011303	
## 727 2012-12-27	NO	YES		2	-1.45834583	-1.5508423862	-
0.20505377		\		_	4 45024502	4 5500400040	
## 728 2012-12-28 0.20505377	NO	YES		2	-1.45834583	-1.5508423862	-
## 729 2012-12-29	NO	NO		2	-1.45834583	-1.4474217685	
0.76471744				_	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
## 730 2012-12-30	NO	NO		1	-1.34506271	-1.5508423862	-
0.78691649		\/=6		_	4 4500 4500	4 4474047405	
## 731 2012-12-31 0.26970518	NO	YES		2	-1.45834583	-1.4474217685	-
	CASUAI	REGISTERED	COUNT		MONTH		
## 1 0.75557339		654	985		January		
## 2 0.75557339		670	801		January		
## 3 0.93616826		1229	1349		January		
## 4 -0.68918562		1454	1562		January		
## 5 0.03319388		1518	1600		January		
## 6 -1.23097025		1518	1606		January		
## 7 -0.32799587		1362	1510		January		
## 8 0.75557339		891	959		January		
## 9 2.20033239		768	822		January		
## 10 0.39438363		1280	1321		January		
## 10 0.35438503 ## 11 -1.05037537		1220	1263		January		
## 12 1.65854777		1137	1162		January		
## 12 1.03834777 ## 13 1.29735801		1368	1406		January		
## 14 -0.86978050		1367	1421		January		
## 15 -0.14740099		1026	1248		January		
15 0.14/40055		1020	1270		Januar y		

ии ас	0.20420262	254	053	1204	7
## 16	0.39438363	251	953	1204	January
## 17	0.03319388	117	883	1000	January
## 18	0.21378876	9	674	683	January -
## 19	-0.50859075	78	1572	1650	January
## 20	0.39438363	83	1844	1927	January
## 21	1.65854777	75	1468	1543	January
## 22	-0.32799587	93	888	981	January
## 23	0.39438363	150	836	986	January
## 24	0.03319388	86	1330	1416	January
## 25	-0.68918562	186	1799	1985	January
## 26	1.65854777	34	472	506	January
## 27	-0.14740099	15	416	431	January
## 28	-1.05037537	38	1129	1167	January
## 29	-0.68918562	123	975	1098	January
## 30	-2.31453951	140	956	1096	January
## 31	0.03319388	42	1459	1501	January
## 32	-2.31453951	47	1313	1360	February
## 33	0.57497851	72	1454	1526	February
## 34	1.29735801	61	1489	1550	February
## 35	-0.68918562	88	1620	1708	February
## 36	-0.50859075	100	905	1005	February
## 37	-1.05037537	354	1269	1623	February
## 38	-2.31453951	120	1592	1712	February
## 39	2.56152214	64	1466	1530	February
## 40	-0.14740099	53	1552	1605	February
## 41	0.39438363	47	1491	1538	February
## 41	-1.23097025	149	1597	1746	February
## 42	-0.50859075	288	1184	1472	February
## 44	1.29735801	200 397	1184	1589	•
					February
## 45	2.92271190	208	1705	1913	February
## 46	0.75557339	140	1675	1815	February
## 47	0.39438363	218	1897	2115	February
## 48	0.39438363	259	2216	2475	February
## 49	0.57497851	579	2348	2927	February
## 50	4.00628115	532	1103	1635	February
## 51	-0.32799587	639	1173	1812	February
## 52	1.29735801	195	912	1107	February
## 53	0.75557339	74	1376	1450	February
## 54	-1.23097025	139	1778	1917	February
## 55	1.11676314	100	1707	1807	February
## 56	2.01973752	120	1341	1461	February
## 57	0.21378876	424	1545	1969	February
## 58	-0.68918562	694	1708	2402	February
## 59	1.20706058	81	1365	1446	February
## 60	0.21378876	137	1714	1851	March
## 61	1.20706058	231	1903	2134	March
## 62	0.03319388	123	1562	1685	March
## 63	0.03319388	214	1730	1944	March
## 64	1.20706058	640	1437	2077	March
## 65	1.47795289	114	491	605	March
## 05	1.4//90209	114	491	כשס	ilgi.Clj

ш	+++	66	2 20002727	244	1620	1072	Manch
		66 67	2.38092727 -0.86978050	244 316	1628 1817	1872	March March
						2133	
		68	0.75557339	191	1700	1891	March
		69	0.75557339	46	577	623	March
		70	0.75557339	247	1730	1977	March
		71	0.03319388	724	1408	2132	March
		72	1.29735801	982	1435	2417	March
		73	-0.68918562	359	1687	2046	March
		74	0.03319388	289	1767	2056	March
		75	0.03319388	321	1871	2192	March
		76	0.39438363	424	2320	2744	March
		77	0.39438363	884	2355	3239	March
		78	2.20033239	1424	1693	3117	March
		79	0.39438363	1047	1424	2471	March
		80	1.20706058	401	1676	2077	March
		81	0.57497851	460	2243	2703	March
		82	0.39438363	203	1918	2121	March
		83	0.39438363	166	1699	1865	March
		84	0.75557339	300	1910	2210	March
		85	0.03319388	981	1515	2496	March
		86	-0.14740099	472	1221	1693	March
		87	0.39438363	222	1806	2028	March
		88	0.75557339	317	2108	2425	March
		89	0.39438363	168	1368	1536	March
		90	0.39438363	179	1506	1685	March
		91	0.75557339	307	1920	2227	April
		92	-0.32799587	898	1354	2252	April
		93	0.03319388	1651	1598	3249	April
#	#	94	2.20033239	734	2381	3115	April
#	#	95	2.74211702	167	1628	1795	April
#	#	96	0.93616826	413	2395	2808	April
#	#	97	0.03319388	571	2570	3141	April
#	#	98	0.39438363	172	1299	1471	April
		99	-0.68918562	879	1576	2455	April
			-0.68918562	1188	1707	2895	April
		101	1.20706058	855	2493	3348	April
#	#	102	1.11676314	257	1777	2034	April
#	#	103	0.75557339	209	1953	2162	April
		104	-0.68918562	529	2738	3267	April
		105	0.75557339	642	2484	3126	April
#	#	106	1.65854777	121	674	795	April
#	#	107	1.65854777	1558	2186	3744	April
#	#	108	-0.32799587	669	2760	3429	April
#	#	109	-0.32799587	409	2795	3204	April
#	#	110	0.75557339	613	3331	3944	April
#	#	111	1.83914264	745	3444	4189	April
#	#	112	0.39438363	177	1506	1683	April
#	#	113	0.39438363	1462	2574	4036	April
		114	0.03319388	1710	2481	4191	April
		115	0.39438363	773	3300	4073	April
							•

	116	1.65854777	678	3722	4400	April
		1.11676314	547	3325	3872	April
##	118	1.65854777	569	3489	4058	April
##	119	1.11676314	878	3717	4595	April
##	120	0.39438363	1965	3347	5312	April
##	121	-1.05037537	1138	2213	3351	May
##	122	0.03319388	847	3554	4401	May
##	123	1.83914264	603	3848	4451	May
##	124	1.65854777	255	2378	2633	May
##	125	0.75557339	614	3819	4433	May
	126	-0.32799587	894	3714	4608	May
##	127	-0.32799587	1612	3102	4714	May
	128	-1.23097025	1401	2932	4333	May
	129	0.03319388	664	3698	4362	May
	130	-0.86978050	694	4109	4803	May
		-0.68918562	550	3632	4182	May
	132	0.03319388	695	4169	4864	May
		-0.32799587	692	3413	4105	May
##		-0.68918562	902	2507	3409	May
		-0.68918562	1582	2971	4553	May
	136	-0.68918562	773	3185	3958	May
	137	1.29735801	678	3445	4123	May
	138	0.39438363	536	3319	3855	May
	139	-1.14067281	735	3840	4575	_
##						May
		-1.05037537	909 2258	4008	4917	May
##		-0.86978050	2258 1576	3547	5805	May
	142	-0.68918562	1576	3084	4660	May
	143	0.39438363	836	3438	4274	May
	144	0.03319388	659	3833	4492	May
	145	-0.68918562	740	4238	4978	May
		-0.14740099	758	3919	4677	May
##	147	0.75557339	871	3808	4679	May
	148	0.39438363	2001	2757	4758	May
	149	0.39438363	2355	2433	4788	May
		-1.05037537	1549	2549	4098	May
		-0.86978050	673	3309	3982	May
	152	0.03319388	513	3461	3974	June
	153	1.29735801	736	4232	4968	June
##	154	1.11676314	898	4414	5312	June
##	155	-1.05037537	1869	3473	5342	June
##	156	-0.32799587	1685	3221	4906	June
##	157	-0.68918562	673	3875	4548	June
		-0.14740099	763	4070	4833	June
		-0.68918562	676	3725	4401	June
		-0.50859075	563	3352	3915	June
		-0.68918562	815	3771	4586	June
		-0.50859075	1729	3237	4966	June
		-0.32799587	1467	2993	4460	June
	164	1.29735801	863	4157	5020	June
	165	0.93616826	727	4164	4891	June
π#	100	0.23010020	121	4104	-07I	Juile

			= 40		E400	-	
		-0.32799587	769	4411	5180	June	
	167	0.03319388	545	3222	3767	June	
		-0.68918562	863	3981	4844	June	
		-0.86978050	1807	3312	5119	June	
		-1.05037537	1639	3105	4744	June	
##	171	-0.32799587	699	3311	4010	June	
##	172	-0.32799587	774	4061	4835	June	
##	173	-0.14740099	661	3846	4507	June	
##	174	0.39438363	746	4044	4790	June	
##	175	0.39438363	969	4022	4991	June	
##	176	0.03319388	1782	3420	5202	June	
##	177	-1.05037537	1920	3385	5305	June	
##	178	-0.68918562	854	3854	4708	June	
##	179	-0.32799587	732	3916	4648	June	
	180	0.93616826	848	4377	5225	June	
	181	0.03319388	1027	4488	5515	June	
		-0.68918562	1246	4116	5362	July	
		-1.05037537	2204	2915	5119	July	
		-0.14740099	2282	2367	4649	July	
		-1.23097025	3065	2978	6043	July	
		-1.05037537	1031	3634	4665	July	
		-0.32799587	784	3845	4629	July	
		-0.32799587	754 754	3838	4592	July	
	189	0.39438363	692	3348	4040	July	
		-0.32799587				_	
	191		1988 1743	3348	5336	July	
		0.03319388	1743	3138	4881	July	
	192	1.11676314	723	3363	4086	July	
	193	0.03319388	662	3596	4258	July	
	194	-0.32799587	748	3594	4342	July	
	195	0.75557339	888	4196	5084	July	
	196	0.03319388	1318	4220	5538	July	
	197	0.39438363	2418	3505	5923	July	
	198	0.39438363	2006	3296	5302	July	
	199	0.39438363	841	3617	4458	July	
		-0.68918562	752	3789	4541	July	
		-1.05037537	644	3688	4332	July	
	202	0.39438363	632	3152	3784	July	
##	203	-1.05037537	562	2825	3387	July	
##	204	-0.68918562	987	2298	3285	July	
##	205	-0.50859075	1050	2556	3606	July	
##	206	-1.23097025	568	3272	3840	July	
	207	0.39438363	750	3840	4590	July	
##	208	0.21378876	755	3901	4656	July	
	209	0.03319388	606	3784	4390	July	
	210	0.03319388	670	3176	3846	July	
		-0.32799587	1559	2916	4475	July	
		-0.32799587	1524	2778	4302	July	
##		-0.14740099	729	3537	4266	August	
	214	0.39438363	801	4044	4845	August	
		-0.68918562	467	3107	3574	August	
##	21)	-0.00910302	407	210/	JJ/4	August	

41.17	24.5	0 24270076	700	2777	4576	
	216	0.21378876	799	3777	4576	August
	217	0.39438363	1023	3843	4866	August
	218	0.39438363	1521	2773	4294	August
##		0.03319388	1298	2487	3785	August
		-0.50859075	846	3480	4326	August
##	221	-0.32799587	907	3695	4602	August
##	222	0.21378876	884	3896	4780	August
##	223	-0.32799587	812	3980	4792	August
##	224	-0.68918562	1051	3854	4905	August
##	225	0.03319388	1504	2646	4150	August
##	226	0.21378876	1338	2482	3820	August
##	227	0.39438363	775	3563	4338	August
##	228	0.57497851	721	4004	4725	August
##	229	-0.32799587	668	4026	4694	August
	230	0.75557339	639	3166	3805	August
		-1.23097025	797	3356	4153	August
	232	-0.68918562	1914	3277	5191	August
	233	0.75557339	1249	2624	3873	August
	234	1.29735801	833	3925	4758	August
	235	-0.14740099	1281	4614	5895	August
##		1.29735801	949	4181	5130	August
	237	1.29735801	435	3107	3542	August
	238	-1.05037537	768	3893	4661	August
	239	3.01300933	226	889	1115	August
	240	2.38092727	1415	2919	4334	August
		-0.32799587	729	3905	4634	_
						August
		-0.68918562	775 699	4429	5204	August
		-1.23097025	688	4370	5058	August
		-0.68918562	783	4332		September
		-0.68918562	875	3852		September
		-0.32799587	1935	2549		September
	247	0.03319388	2521	2419		September
		-0.32799587	1236	2115		September
	249	2.01973752	204	2506		September
		-1.05037537	118	1878		September
		-0.32799587	153	1689		September
		-0.68918562	417	3127		September
##	253	-0.68918562	1750	3595	5345	September
##	254	-1.05037537	1633	3413	5046	September
##	255	-1.23097025	690	4023	4713	September
##	256	-0.68918562	701	4062		September
##	257	-0.50859075	647	4138		September
	258	0.93616826	428	3231		September
	259	-0.14740099	742	4018		September
	260	0.03319388	1434	3077		September
	261	0.03319388	1353	2921		September
		-0.32799587	691	3848		September
##		-0.32799587	438	3203		September
		-1.14067281	539	3813		September
		-1.14007281	555	4240		September
##	205	-1.62/202/	222	4240	4/90	seb reliinel.

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		-1.23097025	258	2137		September
		-1.23097025	1776	3647		September
		-1.77275488	1544	3466		September
		-0.68918562	684	3946		September
		-1.05037537	477	3643		September
		-0.86978050	480	3427		September
##		0.03319388	653	4186		September
	273	0.03319388	830	4372		September
	274	1.65854777	480	1949	2429	October
	275	0.39438363	616	2302	2918	October
		-1.05037537	330	3240	3570	October
	277	0.39438363	486	3970	4456	October
		-0.32799587	559	4267	4826	October
##		-0.68918562	639	4126	4765	October
##		-2.31453951	949	4036	4985	October
		-2.31453951	2235	3174	5409	October
		-1.23097025	2397	3114	5511	October
##	283	-2.31453951	1514	3603	5117	October
##	284	-0.50859075	667	3896	4563	October
##	285	0.75557339	217	2199	2416	October
##	286	-0.68918562	290	2623	2913	October
##	287	0.03319388	529	3115	3644	October
##	288	0.21378876	1899	3318	5217	October
##	289	0.93616826	1748	3293	5041	October
##	290	-0.32799587	713	3857	4570	October
		-1.05037537	637	4111	4748	October
	292	0.03319388	254	2170	2424	October
##		2.74211702	471	3724	4195	October
	294	0.39438363	676	3628	4304	October
		-1.23097025	1499	2809	4308	October
		-1.05037537	1619	2762	4381	October
		-1.05037537	699	3488	4187	October
		-0.68918562	695	3992	4687	October
		-0.32799587	404	3490	3894	October
		-0.50859075	240	2419	2659	October
	301	0.57497851	456	3291	3747	October
	302	2.01973752	57	570	627	October
	303	0.21378876	885	2446	3331	October
		-0.86978050	362	3307	3669	October
		-0.50859075	410	3658	4068	November
		-1.14067281	370	3816	4186	November
	307	-0.68918562	318	3656	3974	November
	308	1.65854777	470	3576	4046	November
	309	0.39438363	1156	2770	3926	
						November
		-1.23097025	952 272	2697	3649	November
		-1.23097025	373	3662	4035	November
		-1.23097025	376	3829	4205	November
		-2.31453951	305	3804	4109	November
	314	0.39438363	190	2743	2933	November
##	315	1.38765545	440	2928	3368	November

## 316	##	216	0 20420262	1275	2702	1007	November
## 318							
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## 321 1.29735801 139 2914 3053 November ## 322 -0.32799587 245 3147 3392 November ## 323 0.75557339 943 2720 3663 November ## 324 0.03319388 787 2733 3520 November ## 325 -0.50859075 220 2545 2765 November ## 326 -1.05037537 69 1538 1607 November ## 327 2.38092727 112 2454 2566 November ## 328 -0.50859075 560 935 1495 November ## 330 -1.23097025 1249 1819 3068 November ## 331 0.75557339 810 2261 3071 November ## 332 -0.68918562 253 3614 3867 November ## 333 1.29735801 96 2818 2914 November ## 335 0.39438363 182 3545 3727 December ## 336 -1.23097025 268 3672 3940 December ## 337 -1.23097025 706 2908 3614 December ## 339 -1.23097025 706 2908 3614 December ## 340 0.39438363 126 2468 2594 December ## 341 0.57497851 50 655 705 December ## 341 0.57497851 50 655 705 December ## 342 0.39438363 150 3172 3322 December ## 344 0.39438363 150 3172 3322 December ## 344 0.39438363 150 3172 3322 December ## 347 -0.32799587 155 3368 359 December ## 347 -0.32799587 155 3368 359 December ## 349 1.11676314 181 3528 3709 December ## 349 1.11676314 181 3528 3709 December ## 340 0.39438363 150 3172 3322 December ## 341 0.57497851 50 655 705 December ## 342 0.39438363 150 3172 3322 December ## 344 0.39438363 150 3172 3322 December ## 349 0.39438363 150 3172 3322 December ## 349 0.39438363 150 3172 3322 December ## 349 1.11676314 181 3528 3709 December ## 349 0.39451851 275 2464 2739 December ## 350 0.93616826 178 3399 3577 December ## 350 0.93616826 178 3399 3577 December ## 350 0.32799587 250 3143 3403 December ## 350 0.32799587 250 3143 3403 December ## 350 0.32799587 250 3143 3403 December ## 350 0.57557339 107 2553 2660 December ## 350 0.57557339 107 2553 2660 December ## 350 0.57557339 107 2553 2660 December ## 350 0.57557339 163 2046 2209 December ## 350 0.57557339 163 2046 2209 December ## 350 0.57557339 163 2046 2209 December ## 350 0.57557339 255 2047 2302 December ## 360 0.57497851 430 887 1317 December							
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## 346 -1.23097025 143 3167 3310 December ## 347 -0.32799587 155 3368 3523 December ## 348 -1.23097025 178 3562 3740 December ## 349 1.11676314 181 3528 3709 December ## 350 0.93616826 178 3399 3577 December ## 351 0.57497851 275 2464 2739 December ## 352 -0.32799587 220 2211 2431 December ## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 347 -0.32799587 155 3368 3523 December ## 348 -1.23097025 178 3562 3740 December ## 349 1.11676314 181 3528 3709 December ## 350 0.93616826 178 3399 3577 December ## 351 0.57497851 275 2464 2739 December ## 352 -0.32799587 220 2211 2431 December ## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 348 -1.23097025							
## 349 1.11676314 181 3528 3709 December ## 350 0.93616826 178 3399 3577 December ## 351 0.57497851 275 2464 2739 December ## 352 -0.32799587 220 2211 2431 December ## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 350 0.93616826 178 3399 3577 December ## 351 0.57497851 275 2464 2739 December ## 352 -0.32799587 220 2211 2431 December ## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 351 0.57497851 275 2464 2739 December ## 352 -0.32799587 220 2211 2431 December ## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December		_					
## 352 -0.32799587 220 2211 2431 December ## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 353 -0.32799587 260 3143 3403 December ## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 354 -2.31453951 216 3534 3750 December ## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 355 0.75557339 107 2553 2660 December ## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 356 -2.31453951 227 2841 3068 December ## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 357 0.75557339 163 2046 2209 December ## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 358 -0.32799587 155 856 1011 December ## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 359 -0.50859075 303 451 754 December ## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 360 0.57497851 430 887 1317 December ## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 361 -0.68918562 103 1059 1162 December ## 362 0.75557339 255 2047 2302 December ## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
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## 363 -0.86978050 254 2169 2423 December ## 364 -1.05037537 491 2508 2999 December							
## 364 -1.05037537 491 2508 2999 December							
## 365 0.03319388 665 1820 2485 December							
	##	365	0.03319388	665	1820	2485	December

щи	200	0 7555733	606	1.000	2204	7-0
	366	0.75557339	686	1608	2294	January
	367	1.47795289	244	1707	1951	January
	368	2.01973752	89	2147	2236	January
##		0.03319388	95	2273	2368	January
		-1.23097025	140	3132	3272	January
##		-0.14740099	307	3791	4098	January
##		0.03319388	1070	3451	4521	January
	373	0.21378876	599	2826	3425	January
##	374	-1.05037537	106	2270	2376	January
##	375	-0.32799587	173	3425	3598	January
##	376	-0.68918562	92	2085	2177	January
##	377	0.03319388	269	3828	4097	January
##	378	2.01973752	174	3040	3214	January
##	379	0.39438363	333	2160	2493	January
##	380	0.57497851	284	2027	2311	January
##	381	1.20706058	217	2081	2298	January
	382	1.65854777	127	2808	2935	January
	383	2.56152214	109	3267	3376	January
	384	0.75557339	130	3162	3292	January
##		0.21378876	115	3048	3163	January
##		0.75557339	67	1234	1301	January
	387	0.03319388	196	1781	1977	January
	388	-0.68918562	145	2287	2432	January
		-0.86978050	439	3900	4339	January
		-0.32799587	467	3803	4270	January
		-1.05037537	244	3831	4075	January
	392	1.65854777	2 44 269	3187	3456	-
##						January
		0.21378876	775 550	3248	4023	January
	394	0.57497851	558 126	2685	3243	January
	395	0.03319388	126	3498	3624	January
	396	0.93616826	324	4185	4509	January
	397	-0.32799587	304	4275	4579	February
		-0.50859075	190	3571	3761	February
		-0.14740099	310	3841	4151	February
		-0.68918562	384	2448	2832	February
##		-0.32799587	318	2629	2947	February
		-0.68918562	206	3578	3784	February
		-0.14740099	199	4176	4375	February
		-0.68918562	109	2693	2802	February
##	405	0.39438363	163	3667	3830	February
##	406	-0.68918562	227	3604	3831	February
##	407	0.75557339	192	1977	2169	February
	408	2.38092727	73	1456	1529	February
	409	-0.68918562	94	3328	3422	February
		-1.05037537	135	3787	3922	February
		-0.32799587	141	4028	4169	February
		-1.23097025	74	2931	3005	February
	413	0.03319388	349	3805	4154	February
	414	0.39438363	1435	2883	4318	February
	415	0.75557339	618	2003	2689	-
##	415	0./555/559	019	20/1	2009	February

11.11	110	0.20420262	F02	2627	2420	Г - l
	416	0.39438363	502	2627	3129	February
	417	0.21378876	163	3614	3777	February
	418	0.93616826	394	4379	4773	February
	419	0.03319388	516	4546	5062	February
	420	-0.14740099	246	3241	3487	February
	421	2.74211702	317	2415	2732	February
	422	0.39438363	515	2874	3389	February
##	423	0.75557339	253	4069	4322	February
##	424	-0.68918562	229	4134	4363	February
##	425	-0.68918562	65	1769	1834	February
##	426	0.39438363	325	4665	4990	March
##	427	-0.32799587	246	2948	3194	March
##	428	-0.32799587	956	3110	4066	March
##	429	1.47795289	710	2713	3423	March
##	430	0.21378876	203	3130	3333	March
	431	0.39438363	221	3735	3956	March
	432	1.65854777	432	4484	4916	March
	433	3.10330677	486	4896	5382	March
	434	2.38092727	447	4122	4569	March
	435	0.75557339	968	3150	4118	March
	436	0.39438363	1658	3253	4911	March
	437	0.21378876	838	4460	5298	March
	438	0.39438363	762	5085	5847	March
	439	-1.05037537	997	5315	6312	March
		-0.86978050	1005	5187	6192	March
		-1.23097025	548	3830	4378	March
		-1.05037537	3155	4681	7836	March
		-0.68918562	2207	3685 5171	5892	March
		-0.32799587	982	5171	6153	March
		-0.68918562	1051	5042	6093	March
		-1.23097025	1122	5108	6230	March
		-1.14067281	1334	5537	6871	March
		-1.05037537	2469	5893	8362	March
	449	0.03319388	1033	2339	3372	March
	450	0.57497851	1532	3464	4996	March
	451	3.10330677	795	4763	5558	March
	452	0.03319388	531	4571	5102	March
	453	1.29735801	674	5024	5698	March
##	454	1.29735801	834	5299	6133	March
##	455	-0.50859075	796	4663	5459	March
##	456	0.75557339	2301	3934	6235	March
##	457	-0.32799587	2347	3694	6041	April
	458	1.29735801	1208	4728	5936	April
	459	-1.23097025	1348	5424	6772	April
	460	0.03319388	1058	5378	6436	April
	461	0.03319388	1192	5265	6457	April
	462	1.47795289	1807	4653	6460	April
	463	0.75557339	3252	3605	6857	April
	464	0.39438363	2230	2939	5169	April
	465	2.01973752	905	4680	5585	April
##	403	Z.013/3/3Z	903	4000	2202	Ahi.11

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	466	0.21378876	819	5099	5918	April
	467	1.29735801	482	4380	4862	April
	468	1.11676314	663	4746	5409	April
	469	-0.32799587	1252	5146	6398	April
	470	-0.32799587	2795	4665	7460	April
	471	0.75557339	2846	4286	7132	April
	472	0.75557339	1198	5172	6370	April
	473	0.75557339	989	5702	6691	April
	474	0.03319388	347	4020	4367	April
	475	-1.23097025	846	5719	6565	April
	476	0.03319388	1340	5950	7290	April
	477	0.93616826	2541	4083	6624	April
	478	1.83914264	120	907	1027	April
	479	1.65854777	195	3019	3214	April
	480	0.57497851	518	5115	5633	April
	481	-1.23097025	655	5541	6196	April
	482	-0.14740099	475	4551	5026	April
	483	1.83914264	1014	5219	6233	April
		-0.68918562	1120	3100	4220	April
		-0.68918562	2229	4075	6304	April
		-0.32799587	665	4907	5572	April
		-0.68918562	653	5087	5740	May
		-0.14740099	667	5502	6169	May
		-0.68918562	764	5657	6421	May
		-0.86978050	1069	5227	6296	May
		-0.68918562	2496	4387	6883	May
		-0.32799587	2135	4224	6359	May
	493	0.39438363	1008	5265	6273	May
	494	1.11676314	738	4990	5728	May
	495	0.03319388	620	4097	4717	May
	496	1.83914264	1026	5546	6572	May
	497	0.75557339	1319	5711	7030	May
	498	-0.68918562	2622	4807	7429	May
	499	0.21378876	2172	3946	6118	May
	500	0.39438363	342	2501	2843	May
		-0.68918562	625	4490	5115	May
	502	-0.68918562	991	6433	7424	May
##	503	0.03319388	1242	6142	7384	May
		-0.68918562	1521	6118	7639	May
##	505	-1.23097025	3410	4884	8294	May
##	506	1.65854777	2704	4425	7129	May
##	507	0.75557339	630	3729	4359	May
##	508	-1.05037537	819	5254	6073	May
##	509	-1.05037537	766	4494	5260	May
##	510	-0.32799587	1059	5711	6770	May
##	511	-0.68918562	1417	5317	6734	May
	512	0.03319388	2855	3681	6536	May
##	513	0.39438363	3283	3308	6591	May
	514	-0.32799587	2557	3486	6043	May
##	515	1.29735801	880	4863	5743	May

	- 4.6	0.60040560	- A-	6440	6055	1.4
		-0.68918562	745	6110	6855	May
	517	0.03319388	1100	6238	7338	May
	518	0.39438363	533	3594	4127	June
##	519	0.03319388	2795	5325	8120	June
##	520	-0.14740099	2494	5147	7641	June
##	521	1.29735801	1071	5927	6998	June
##	522	0.03319388	968	6033	7001	June
##	523	-1.23097025	1027	6028	7055	June
		-0.32799587	1038	6456	7494	June
		-0.32799587	1488	6248	7736	June
		-0.32799587	2708	4790	7498	June
		-0.86978050	2224	4374	6598	June
	528	0.03319388	1017	5647	6664	June
	529	0.03319388	477	4495	4972	June
	530	2.38092727	1173 1180	6248	7421	June
	531	0.75557339		6183	7363	June
		-0.32799587	1563	6102	7665	June
		-0.14740099	2963	4739	7702	June
		-0.32799587	2634	4344	6978	June
		-0.14740099	653	4446	5099	June
		-0.68918562	968	5857	6825	June
		-1.05037537	872	5339	6211	June
		-0.86978050	778	5127	5905	June
		-0.32799587	964	4859	5823	June
	540	0.03319388	2657	4801	7458	June
##	541	-0.68918562	2551	4340	6891	June
##	542	1.29735801	1139	5640	6779	June
##	543	2.01973752	1077	6365	7442	June
##	544	1.20706058	1077	6258	7335	June
##	545	-0.32799587	921	5958	6879	June
##	546	0.03319388	829	4634	5463	June
##	547	-0.50859075	1455	4232	5687	June
##	548	-0.68918562	1421	4110	5531	July
##	549	0.03319388	904	5323	6227	July
		-0.68918562	1052	5608		July
		-0.68918562	2562	4841	7403	July
	552	0.21378876	1405	4836	6241	July
		-0.68918562	1366	4841	6207	July
		-0.32799587	1448	3392	4840	July
		-1.05037537	1203	3469	4672	July
		-0.32799587	998	5571	6569	July
		-0.68918562	954	5336	6290	July
		-0.50859075	975	6289	7264	July
						•
		-0.68918562	1032	6414	7446	July
		-1.05037537	1511	5988 4614	7499	July
		-1.05037537	2355	4614	6969	July
		-0.68918562	1920	4111	6031	July
		-0.86978050	1088	5742	6830	July
		-0.86978050	921	5865	6786	July
##	565	-0.68918562	799	4914	5713	July

## 566 -0.68918562 888 5703 6591 July ## 567 -0.32799587 747 5123 5870 July ## 569 -1.05037537 2544 4866 7410 July ## 570 -0.68918562 1135 5831 6966 July ## 571 0.21378876 1140 6452 7592 July ## 573 0.75557339 1036 5825 6861 July ## 573 0.75557339 1036 5825 6861 July ## 574 -0.50859075 1259 5645 6904 July ## 575 -0.32799587 2133 4444 6597 July ## 577 -0.32799587 2153 4444 6597 July ## 577 -0.32799587 2153 4444 6597 July ## 578 -0.32799587 1040 6065 7105 July ## 578 -0.32799587 968 6248 7216 July ## 578 -0.32799587 968 6248 7216 July ## 580 -0.86918562 1074 6566 7580 August ## 581 0.39438363 1328 5847 7175 August ## 582 0.75557339 1707 3757 5464 August ## 583 0.68918562 1233 5780 7013 August ## 584 -0.68918562 1233 5780 7013 August ## 585 -0.68918562 1233 5780 7013 August ## 586 -0.86978050 1263 6271 7534 August ## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 1228 4362 6544 August ## 589 0.03319388 1228 4656 6784 August ## 589 0.03319388 1128 5656 6784 August ## 590 -0.68918562 1182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 592 0.03319388 1128 5655 7148 August ## 593 0.03319388 1128 5655 7148 August ## 594 0.03319388 128 5656 6784 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 128 5656 6784 August ## 597 -1.05037537 1207 5676 6883 August ## 599 -0.21378876 1483 5665 7148 August ## 599 0.21378876 1483 5665 7148 August ## 599 0.21378876 1483 5665 7148 August ## 599 0.21378876 1483 5665 7148 August ## 599 -1.77275488 1325 6257 7582 August ## 599 -1.77275488 1325 6257 7582 August ## 600 -2.31453951 1094 6281 7375 August ## 600 -0.31453951 1094 6281 7375 August ## 600 -0.32799587 1338 6267 7605 August ## 600 -0.48978850 2352 3788 6140 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 177 6520 7697 August ## 609 -0.32799587 1433 5917 7350 August ## 600 -0.32799587 1433 5917 7350 August ##	ш.,	F.C.C	0 (0040560	000	F-700	6506	
## 568							-
## 569							-
## 570							
## 571							-
## 572							-
## 573					6452	7592	July
## 574 -0.50859075	##	572	-0.32799587	1383	6790	8173	July
## 575	##	573	0.75557339	1036	5825	6861	July
## 576	##	574	-0.50859075	1259	5645	6904	July
## 577 -0.32799587	##	575	-0.32799587	2234	4451	6685	July
## 577 -0.32799587 1040 6065 7105 July ## 578 -0.32799587 968 6248 7216 July ## 579 -0.68918562 1074 6506 7580 August ## 580 -0.86978050 983 6278 7261 August ## 581 0.39438363 1328 5847 7175 August ## 583 0.75557339 2345 4479 6824 August ## 584 -0.68918562 1233 5780 7013 August ## 585 -0.68918562 1278 5995 7273 August ## 586 -0.86978050 1263 6271 7534 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 592 0.03319388 1128 5656 6784 August ## 593 0.03319388 1128 5656 6784 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 598 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 601 -1.23097025 1363 6402 7765 August ## 604 0.39438363 1483 3772 5255 August ## 606 -0.14740099 935 6105 7040 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 611 -1.23097025 2613 3197 8810 September ## 612 -0.68918562 1177 6520 7697 August ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September	##	576	-0.32799587	2153	4444	6597	July
## 578	##	577	-0.32799587	1040	6065	7105	July
## 579	##	578	-0.32799587	968	6248	7216	-
## 580 -0.86978050 983 6278 7261 August ## 581 0.39438363 1328 5847 7175 August ## 582 0.75557339 2345 4479 6824 August ## 583 0.75557339 1707 3757 5464 August ## 584 -0.68918562 1233 5780 7013 August ## 585 -0.68918562 1278 5995 7273 August ## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 593 0.03319388 1128 5656 6784 August ## 593 0.03319388 1128 5656 6784 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 598 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 600 -2.31453951 1094 6281 7375 August ## 600 -1.23097025 1363 6402 7765 August ## 604 0.39438363 1483 3772 5255 August ## 605 -0.68918562 989 5928 6917 August ## 606 -0.14740099 935 6105 7040 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 601 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							-
## 581							_
## 582 0.75557339 2345 4479 6824 August ## 583 0.75557339 1707 3757 5464 August ## 584 -0.68918562 1233 5780 7013 August ## 585 -0.68918562 1278 5995 7273 August ## 586 -0.86978050 1263 6271 7534 August ## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 592 0.03319388 1128 5656 6784 August ## 593 0.03319388 1128 5656 6784 August ## 594 -0.32799587 1338 6267 7605 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 599 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 600 -2.31453951 1094 6281 7375 August ## 601 -1.23097025 1363 6402 7765 August ## 602 -1.77275488 1325 6257 7582 August ## 603 0.93616826 1829 4224 6053 August ## 604 0.39438363 1483 3772 5255 August ## 605 -0.68918562 989 5928 6917 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -0.14740099 935 6105 7040 August ## 609 -0.32799587 1433 5917 7350 August ## 601 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 583							_
## 584 -0.68918562 1233 5780 7013 August ## 585 -0.68918562 1278 5995 7273 August ## 586 -0.86978050 1263 6271 7534 August ## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 593 0.03319388 1128 5656 6784 August ## 593 0.03319388 1198 6149 7347 August ## 594 -0.32799587 1338 6267 7605 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 598 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 601 -1.23097025 1363 6402 7765 August ## 602 -1.77275488 1325 6257 7582 August ## 603 0.93616826 1829 4224 6053 August ## 604 0.39438363 1483 3772 5255 August ## 605 -0.68918562 989 5928 6917 August ## 606 -0.14740099 935 6105 7040 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 585 -0.68918562 1278 5995 7273 August ## 586 -0.86978050 1263 6271 7534 August ## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 592 0.03319388 1128 5656 6784 August ## 593 0.03319388 1128 5656 6784 August ## 594 -0.32799587 1338 6267 7605 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 598 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 601 -1.23097025 1363 6402 7765 August ## 602 -1.77275488 1325 6257 7582 August ## 603 0.93616826 1829 4224 6053 August ## 604 0.39438363 1483 3772 5255 August ## 605 -0.68918562 989 5928 6917 August ## 606 -0.14740099 935 6105 7040 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 601 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 586 -0.86978050 1263 6271 7534 August ## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 592 0.03319388 1128 5656 6784 August ## 593 0.03319388 1128 5656 6784 August ## 594 -0.32799587 1338 6267 7605 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 598 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 601 -1.23097025 1363 6402 7765 August ## 602 -1.77275488 1325 6257 7582 August ## 604 0.39438363 1483 3772 5255 August ## 605 -0.68918562 989 5928 6917 August ## 606 -0.14740099 935 6105 7040 August ## 607 -0.68918562 1177 6520 7697 August ## 609 -0.32799587 1433 5917 7350 August ## 601 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 611 -0.68918562 1965 4069 6034 September ## 612 -0.68918562 1965 4069 6034 September ## 611 -0.68918562 1965 4069 6034 September ## 614 0.03319388 832							_
## 587 -0.32799587 1196 6090 7286 August ## 588 1.11676314 1065 4721 5786 August ## 589 0.03319388 2247 4052 6299 August ## 590 -0.68918562 2182 4362 6544 August ## 591 -1.05037537 1207 5676 6883 August ## 592 0.03319388 1128 5656 6784 August ## 593 0.03319388 1198 6149 7347 August ## 594 -0.32799587 1338 6267 7605 August ## 595 0.21378876 1483 5665 7148 August ## 596 0.03319388 2827 5038 7865 August ## 597 -1.05037537 1208 3341 4549 August ## 598 -0.86978050 1026 5504 6530 August ## 599 -1.77275488 1081 5925 7006 August ## 600 -2.31453951 1094 6281 7375 August ## 601 -1.23097025 1363 6402 7765 August ## 602 -1.77275488 1325 6257 7582 August ## 603 0.93616826 1829 4224 6053 August ## 604 0.39438363 1483 3772 5255 August ## 605 -0.68918562 989 5928 6917 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 609 -0.32799587 1433 5917 7350 August ## 601 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
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## 606 -0.14740099 935 6105 7040 August ## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 610 -0.86978050 2352 3788 6140 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 607 -0.68918562 1177 6520 7697 August ## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 610 -0.86978050 2352 3788 6140 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							•
## 608 -1.14067281 1172 6541 7713 August ## 609 -0.32799587 1433 5917 7350 August ## 610 -0.86978050 2352 3788 6140 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 609 -0.32799587 1433 5917 7350 August ## 610 -0.86978050 2352 3788 6140 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 610 -0.86978050 2352 3788 6140 September ## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							_
## 611 -1.23097025 2613 3197 5810 September ## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							•
## 612 -0.68918562 1965 4069 6034 September ## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							-
## 613 0.75557339 867 5997 6864 September ## 614 0.03319388 832 6280 7112 September							•
## 614 0.03319388 832 6280 7112 September							•
·							-
## 615 -0.50859075 611 5592 6203 September							-
	##	615	-0.50859075	611	5592	6203	September

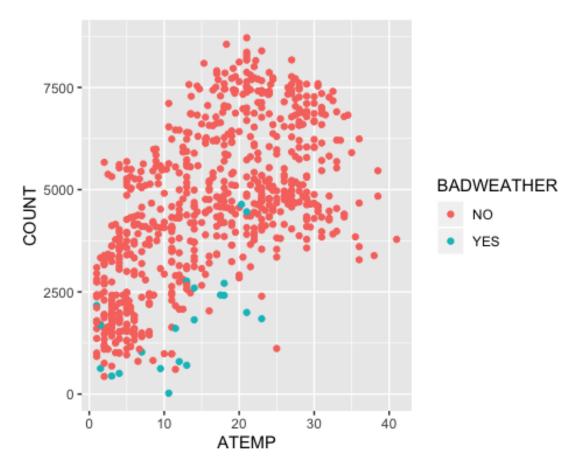
		-0.68918562	1045	6459		September
	617	0.75557339	1557	4419		September
	618	0.75557339	2570	5657		September
##	619	1.11676314	1118	6407	7525	September
##	620	-1.05037537	1070	6697	7767	September
##	621	-0.68918562	1050	6820	7870	September
##	622	-1.23097025	1054	6750	7804	September
##	623	-1.05037537	1379	6630		September
##	624	0.93616826	3160	5554		September
##	625	-1.05037537	2166	5167		September
##	626	-0.32799587	1022	5847	6869	September
##	627	1.47795289	371	3702		September
##	628	0.75557339	788	6803		September
	629	-1.05037537	939	6781		September
	630	-0.14740099	1250	6917		September
	631	1.11676314	2512	5883		September
	632	0.57497851	2454	5453		September
	633	-0.68918562	1001	6435		September
##	634	0.75557339	845	6693		September
	635	0.75557339	787	6946		September
		-1.23097025	751	6642		September
		-0.37856244	1045	6370		September
	638	0.31492189	2589	5966		September
		-0.43635280	2015	4874		September
##		-1.18762748	763	6015	6778	October
##		-0.95646604	315	4324	4639	October October
		-1.47657928	728	6844	7572	October
		-0.86978050	891	6437	7328	October
		-0.98536122	1516	6640	8156	October October
	645	0.89282549	3031	4934	7965	October
		-0.49414316	781	2729	3510	October
##		-0.03182027	874	4604	5478	October
##	648	0.02597009	601	5791	6392	October
		-0.43635280	780	6911	7691	October
	650	0.02597009	834	6736	7570	October
	651	0.51718815	1060	6222	7282	October
	652	-0.34966726	2252	4857	7109	October
	653	1.00840621	2080	4657 4559	6639	October
	654		2080 760			
		1.06619657		5115 6612	5875	October
		-0.14740099	922	6612	7534	October
		-1.10094194	979	6482	7461	October
	657	0.51718815	1008	6501	7509	October
		-0.63861906	753	4671	5424	October
		-0.72530460	2806	5284	8090	October
		-0.32077208	2132	4692	6824	October
		-1.24541784	830	6228	7058	October
		-1.21652266	841	6625	7466	October
		-1.44768410	795	6898	7693	October
		-0.63861906	875	6484	7359	October
##	665	-0.63861906	1182	6262	7444	0ctober

	666	0.54608333	2643	5209	7852	October	
##	667	2.53985076	998	3461	4459	October	
	668	4.93815071	2	20	22	October	
##		1.49962427	87	1009	1096	October	
##	670	-0.34966726	419	5147	5566	October	
##	671	-0.46524798	466	5520	5986	November	
##	672	1.00840621	618	5229	5847	November	
##	673	0.97951103	1029	4109	5138	November	
##	674	-0.08961063	1201	3906	5107	November	
##	675	0.48829297	378	4881	5259	November	
##	676	-0.14740099	466	5220	5686	November	
##	677	1.35514837	326	4709	5035	November	
##	678	1.99084234	340	4975	5315	November	
##	679	0.17044599	709	5283	5992	November	
##	680	-1.62105518	2090	4446	6536	November	
##	681	-0.75419978	2290	4562	6852	November	
##	682	-0.08961063	1097	5172	6269	November	
##	683	1.81747126	327	3767	4094	November	
##	684	0.02597009	373	5122	5495	November	
##	685	-0.46524798	320	5125	5445	November	
##	686	-0.23408653	484	5214	5698	November	
##	687	-0.14740099	1313	4316	5629	November	
##	688	0.45939779	922	3747	4669	November	
##	689	0.40160743	449	5050	5499	November	
##	690	-1.33210338	534	5100	5634	November	
##	691	-1.01425640	615	4531	5146	November	
##	692	-1.67884554	955	1470	2425	November	
##	693	-0.37856244	1603	2307	3910	November	
##	694	2.13531824	532	1745	2277	November	
##	695	-0.55193352	309	2115	2424	November	
##	696	-1.70774072	337	4750	5087	November	
##	697	0.66166405	123	3836	3959	November	
##	698	0.14155081	198	5062	5260	November	
##	699	-0.50859075	243	5080	5323	November	
		-2.31453951	362	5306	5668	November	
		-1.44768410	951	4240	5191	December	
		-0.68918562	892	3757	4649	December	
		-1.05037537	555	5679	6234	December	
	704	0.03319388	551	6055	6606	December	
	705	1.11676314	331	5398	5729	December	
		-0.14740099	340	5035	5375	December	
		-0.68918562	349	4659	5008	December	
		-1.05037537	1153	4429	5582	December	
		-0.68918562	441	2787	3228	December	
	710	0.39438363	329	4841	5170	December	
	711	1.47795289	282	5219	5501	December	
	712	0.21378876	310	5009	5319	December	
	713	0.03319388	425	5107	5532	December	
		-1.05037537	429	5182	5611	December	
		-1.05037537	767	4280	5047	December	
		,	, , ,	. 200	2017		

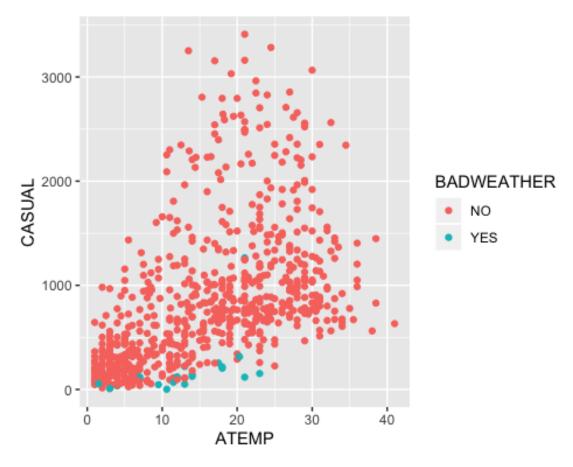
```
## 716 -1.05037537
                                      3786
                      538
                                3248
                                             December
## 717 -1.05037537
                      212
                                4373
                                      4585
                                             December
## 718
       0.21378876
                      433
                                5124
                                      5557
                                             December
                                4934
                                      5267
## 719 -0.68918562
                      333
                                             December
## 720 -0.32799587
                      314
                                3814
                                      4128
                                             December
## 721
        2.38092727
                      221
                                3402
                                      3623
                                             December
       2.74211702
## 722
                                1544
                                      1749
                      205
                                             December
## 723 -0.68918562
                      408
                                1379
                                      1787
                                             December
                                       920
## 724 -1.23097025
                      174
                                 746
                                             December
## 725 -0.32799587
                      440
                                 573
                                      1013
                                             December
                        9
                                             December
## 726
       1.65854777
                                 432
                                       441
                                      2114
## 727
        1.47795289
                      247
                                1867
                                             December
## 728 -0.68918562
                      644
                                2451
                                      3095
                                             December
## 729 -1.23097025
                      159
                                1182
                                      1341
                                             December
## 730
       2.01973752
                                1432
                                      1796
                      364
                                             December
## 731 -0.32799587
                      439
                                2290
                                      2729
                                             December
#2.Basic Regression
fitAll <- lm(formula = COUNT ~ ., data = dfbStd )</pre>
summary(fitAll)
## Warning in summary.lm(fitAll): essentially perfect fit: summary may be
## unreliable
##
## Call:
## lm(formula = COUNT ~ ., data = dfbStd)
##
## Residuals:
##
          Min
                      1Q
                             Median
                                             30
## -2.130e-11 -1.608e-13 1.820e-14
                                     1.972e-13
##
## Coefficients:
##
                    Estimate Std. Error
                                            t value Pr(>|t|)
                  -4.289e-11 7.537e-12 -5.691e+00 1.85e-08 ***
## (Intercept)
                              5.104e-16   5.698e+00   1.77e-08 ***
## DATE
                   2.909e-15
## HOLIDAYYES
                  -4.205e-14
                              3.764e-13 -1.120e-01
                                                      0.9111
## WEEKDAYYES
                  -8.479e-13 2.125e-13 -3.990e+00 7.29e-05 ***
                              1.447e-13
                                                      0.0140 *
## WEATHERSIT
                   3.566e-13
                                         2.465e+00
## TEMP
                   3.776e-13 4.324e-13 8.730e-01
                                                      0.3828
## ATEMP
                   4.367e-13 4.049e-13 1.079e+00
                                                      0.2812
                                                      0.0942 .
## HUMIDITY
                   1.400e-13 8.356e-14
                                         1.676e+00
## WINDSPEED
                   7.337e-14 6.537e-14 1.122e+00
                                                      0.2621
                                                     < 2e-16 ***
## CASUAL
                   1.000e+00 1.612e-16 6.204e+15
## REGISTERED
                                                     < 2e-16 ***
                   1.000e+00 8.696e-17 1.150e+16
## MONTHAugust
                  -1.965e-13
                              3.362e-13 -5.840e-01
                                                      0.5591
## MONTHDecember
                   1.561e-13 3.439e-13 4.540e-01
                                                      0.6501
## MONTHFebruary
                   2.302e-13 3.202e-13
                                         7.190e-01
                                                      0.4724
## MONTHJanuary
                  -7.314e-14 3.410e-13 -2.150e-01
                                                      0.8302
## MONTHJuly
                  -2.267e-13 3.643e-13 -6.220e-01
                                                      0.5339
```

```
## MONTHJune
                 -2.030e-13 3.283e-13 -6.180e-01
                                                    0.5366
                 1.247e-13 2.839e-13 4.390e-01
                                                    0.6607
## MONTHMarch
                 -6.726e-14 2.953e-13 -2.280e-01
                                                    0.8199
## MONTHMay
## MONTHNovember 1.349e-13 3.157e-13 4.270e-01
                                                    0.6694
## MONTHOctober -2.730e-15 2.900e-13 -9.000e-03
                                                    0.9925
## MONTHSeptember -1.123e-13 3.088e-13 -3.640e-01
                                                    0.7162
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 1.52e-12 on 709 degrees of freedom
## Multiple R-squared: 1, Adjusted R-squared:
## F-statistic: 5.648e+31 on 21 and 709 DF, p-value: < 2.2e-16
#3.a
dfbOrg <-
 dfb0rg %>%
 mutate(BADWEATHER = ifelse(WEATHERSIT == 3 | WEATHERSIT == 4, 'YES', 'NO'))
dfb0rg
## # A tibble: 731 x 13
                HOLIDAY WEEKDAY WEATHERSIT TEMP ATEMP HUMIDITY WINDSPEED
     DATE
CASUAL
##
     <date>
                <chr>
                        <chr>>
                                    <dbl> <dbl> <dbl>
                                                          <dbl>
                                                                    <dbl>
<dbl>
## 1 2011-01-01 NO
                        NO
                                         2 11
                                                  11
                                                           81
                                                                       17
331
## 2 2011-01-02 NO
                        NO
                                             9
                                                   6.5
                                         2
                                                           71.5
                                                                       17
131
## 3 2011-01-03 NO
                        YES
                                         1
                                             1
                                                   4
                                                           44
                                                                       18
120
                        YES
                                                   2.5
                                                                        9
## 4 2011-01-04 NO
                                         1
                                             2
                                                           64
108
                                             2.5
                                                   1
                                                           42.5
## 5 2011-01-05 NO
                        YES
                                         1
                                                                       13
82
## 6 2011-01-06 NO
                        YES
                                             2
                                                   2
                                                           52
                                         1
                                                                        6
88
## 7 2011-01-07 NO
                        YES
                                             1
                                                   3
                                                           47.5
                                         2
                                                                       11
148
## 8 2011-01-08 NO
                        NO
                                         2
                                             1
                                                   5
                                                           51
                                                                       17
68
## 9 2011-01-09 NO
                        NO
                                         1
                                             2
                                                   8.5
                                                           46
                                                                       25
54
## 10 2011-01-10 NO
                        YES
                                         1
                                             2
                                                   6
                                                           50
                                                                       15
41
## # ... with 721 more rows, and 4 more variables: REGISTERED <dbl>, COUNT
<dbl>,
## #
     MONTH <chr>, BADWEATHER <chr>
#3.b
scat1 <- dfb0rg %>%
```

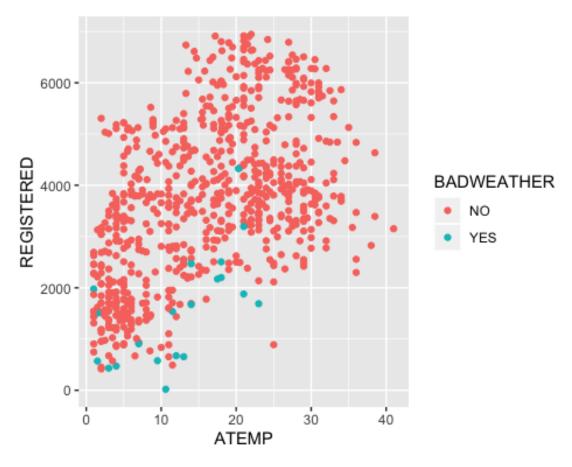
```
ggplot(aes(x = ATEMP, y = COUNT)) + geom_point(aes(color = BADWEATHER))
scat1
```



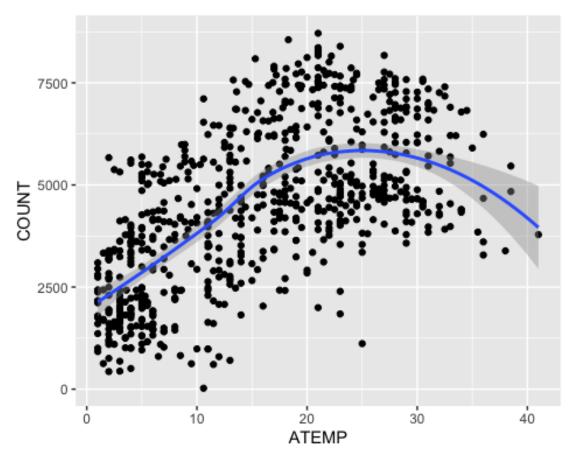
```
#3.c
scat2 <- dfb0rg %>%
    ggplot(aes(x = ATEMP, y = CASUAL)) + geom_point(aes(color = BADWEATHER))
scat2
```



```
scat3 <- dfbOrg %>%
   ggplot(aes(x = ATEMP, y = REGISTERED)) + geom_point(aes(color =
BADWEATHER))
scat3
```

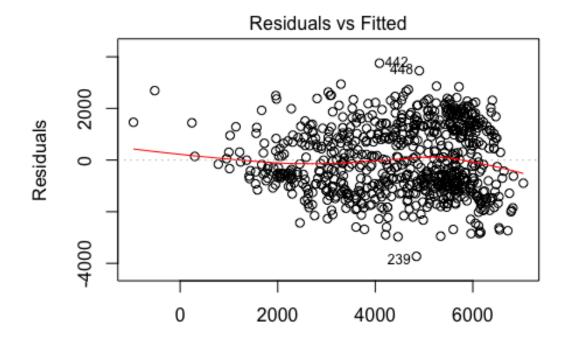


```
#3.c.iv
scat4 <- dfbOrg %>%
    ggplot(aes(x = ATEMP, y = COUNT)) + geom_point() + geom_smooth()
scat4
## `geom_smooth()` using method = 'loess' and formula 'y ~ x'
```



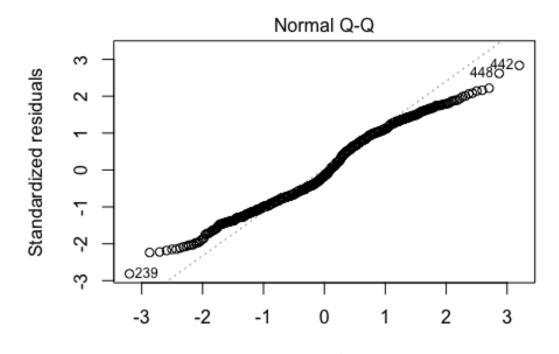
```
#4
regOrg <- lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
HUMIDITY, data = dfbOrg)
summary(regOrg)
##
## Call:
## lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
       HUMIDITY, data = dfbOrg)
##
##
## Residuals:
       Min
                1Q Median
                                 3Q
                                        Max
## -3729.0 -1005.1
                    -190.3 1115.0 3750.1
##
## Coefficients:
##
                   Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                   3967.981
                                335.628
                                         11.823
                                                < 2e-16 ***
## MONTHAugust
                   -209.660
                                291.004
                                         -0.720
                                                 0.47147
## MONTHDecember
                    105.664
                                265.660
                                          0.398
                                                 0.69094
                                         -2.939
## MONTHFebruary
                   -802.319
                                273.000
                                                 0.00340 **
## MONTHJanuary
                   -858.334
                                293.371
                                         -2.926
                                                 0.00355 **
## MONTHJuly
                   -676.644
                                312.956
                                         -2.162
                                                 0.03094 *
## MONTHJune
                   -189.229
                                286.067 -0.661
                                                 0.50851
```

```
## MONTHMarch
                  -242.020
                              249.333 -0.971 0.33204
## MONTHMay
                   279.730
                              259.634 1.077 0.28166
## MONTHNovember
                  651.966
                              257.460 2.532 0.01154 *
                              246.970 4.342 1.62e-05 ***
## MONTHOctober
                  1072.312
                   742.473
                              267.293 2.778 0.00562 **
## MONTHSeptember
## WEEKDAYYES
                    69.745
                              110.118
                                       0.633 0.52670
                              316.601 -6.174 1.11e-09 ***
## BADWEATHERYES -1954.835
                                      4.394 1.28e-05 ***
## TEMP
                   184.596
                              42.011
## ATEMP
                   -48.640
                               36.621 -1.328 0.18454
                                3.623 -6.995 6.09e-12 ***
## HUMIDITY
                   -25.341
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1341 on 714 degrees of freedom
## Multiple R-squared: 0.5315, Adjusted R-squared: 0.521
## F-statistic: 50.64 on 16 and 714 DF, p-value: < 2.2e-16
#5
diagnostics <- plot(regOrg)</pre>
```



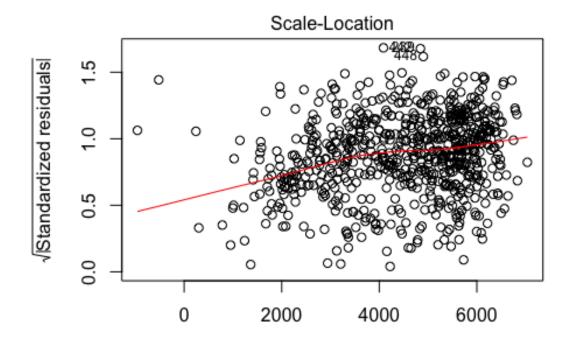
Fitted values

JNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +



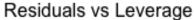
Theoretical Quantiles

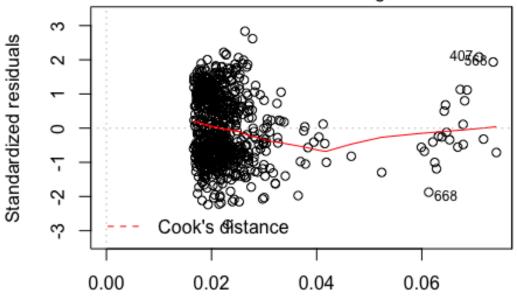
JNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +



Fitted values

JNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +





Leverage

JNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +

```
car::vif(regOrg)
##
                   GVIF Df GVIF^(1/(2*Df))
## MONTH
               8.480466 11
                                   1.102049
## WEEKDAY
               1.009743
                                  1.004859
## BADWEATHER 1.137470
                        1
                                   1.066522
## TEMP
              55.856782
                        1
                                  7.473739
## ATEMP
              50.923158
                        1
                                  7.136046
               1.275120 1
## HUMIDITY
                                  1.129212
regOrgCol <- lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + ATEMP +
HUMIDITY, data = dfbOrg)
summary(regOrgCol)
##
## Call:
## lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + ATEMP + HUMIDITY,
##
       data = dfb0rg)
##
## Residuals:
       Min
                1Q Median
                                 30
                                        Max
                    -207.5 1154.8 3822.9
## -3760.9 -1058.5
##
## Coefficients:
```

```
##
                    Estimate Std. Error t value Pr(>|t|)
                               316.6962 14.220 < 2e-16 ***
## (Intercept)
                   4503.4952
                               292.9479 -0.240 0.81072
## MONTHAugust
                    -70.1865
                                          0.002 0.99807
## MONTHDecember
                      0.6468
                               267.9485
## MONTHFebruary
                  -1016.9096
                               272.0127 -3.738 0.00020 ***
## MONTHJanuary
                  -1386.5736
                               271.0121 -5.116 4.01e-07 ***
## MONTHJuly
                   -585.3680
                               316.2385 -1.851 0.06458 .
## MONTHJune
                    -17.4214
                               286.9867
                                        -0.061 0.95161
## MONTHMarch
                   -285.6783
                               252.3046 -1.132 0.25790
## MONTHMay
                    378.1598
                               261.9562
                                          1.444 0.14929
## MONTHNovember
                   462.3246
                               257.0456
                                          1.799 0.07250
                                          4.136 3.95e-05 ***
## MONTHOctober
                   1033.8276
                               249.9540
## MONTHSeptember
                               269.7273
                                          3.120 0.00188 **
                    841.6233
## WEEKDAYYES
                     91.4446
                               111.4065
                                          0.821 0.41202
                               320.6243 -6.119 1.55e-09 ***
## BADWEATHERYES
                 -1961.8521
                                          8.392 2.55e-16 ***
## ATEMP
                    103.1721
                               12.2943
## HUMIDITY
                    -25.4375
                                 3.6686 -6.934 9.16e-12 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1358 on 715 degrees of freedom
## Multiple R-squared: 0.5189, Adjusted R-squared: 0.5088
## F-statistic: 51.41 on 15 and 715 DF, p-value: < 2.2e-16
#reducing multi collinearity
car::vif(regOrgCol)
##
                  GVIF Df GVIF^(1/(2*Df))
## MONTH
              6.353495 11
                                 1.087679
## WEEKDAY
              1.007712
                                 1.003848
## BADWEATHER 1.137441
                                 1.066509
## ATEMP
              5.596197 1
                                 2.365628
## HUMIDITY
              1.275073 1
                                 1.129191
#6
regBad <- lm(formula = COUNT ~ BADWEATHER, data = dfbOrg)
summary(regBad)
##
## Call:
## lm(formula = COUNT ~ BADWEATHER, data = dfbOrg)
##
## Residuals:
##
      Min
                1Q Median
                                3Q
                                       Max
## -4153.2 -1257.7
                           1404.8 4129.8
                       1.8
##
## Coefficients:
##
                 Estimate Std. Error t value Pr(>|t|)
                                     64.908 < 2e-16 ***
## (Intercept)
                 4584.24
                               70.63
## BADWEATHERYES -2780.95
                              416.69 -6.674 4.93e-11 ***
## ---
```

```
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1882 on 729 degrees of freedom
## Multiple R-squared: 0.05758,
                                   Adjusted R-squared: 0.05629
## F-statistic: 44.54 on 1 and 729 DF, p-value: 4.934e-11
#6.c
regBadWeekday <- lm(formula = COUNT ~ BADWEATHER*WEEKDAY, data = dfbOrg)
summary(regBadWeekday)
##
## Call:
## lm(formula = COUNT ~ BADWEATHER * WEEKDAY, data = dfbOrg)
## Residuals:
##
      Min
                10 Median
                                30
                                       Max
## -4206.7 -1262.1
                     -3.7 1405.3 4261.5
##
## Coefficients:
##
                            Estimate Std. Error t value Pr(>|t|)
                                          131.5 33.861 < 2e-16 ***
## (Intercept)
                              4452.5
## BADWEATHERYES
                             -2637.1
                                          852.2 -3.095 0.00205 **
## WEEKDAYYES
                               185.3
                                          155.9
                                                  1.188 0.23514
## BADWEATHERYES:WEEKDAYYES
                                          977.1 -0.206 0.83695
                              -201.2
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1883 on 727 degrees of freedom
## Multiple R-squared: 0.05941,
                                   Adjusted R-squared: 0.05553
## F-statistic: 15.31 on 3 and 727 DF, p-value: 1.15e-09
#7.a
set.seed(333)
dfbTrain <- dfbOrg %>% sample frac(0.8)
dfbTest <- dplyr::setdiff(dfbOrg, dfbTrain)</pre>
#7.c fitOrg
fitOrg <- lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
HUMIDITY, data = dfbTrain)
summary(fitOrg)
##
## Call:
## lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
       HUMIDITY, data = dfbTrain)
##
##
## Residuals:
##
      Min
              1Q Median
                            3Q
                                  Max
##
   -3696 -1027 -128
                          1131
                                 3867
```

```
##
## Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
##
                               371.749 11.270 < 2e-16 ***
## (Intercept)
                   4189.494
## MONTHAugust
                   -309.365
                               324.366 -0.954 0.340614
## MONTHDecember
                     46.563
                               294.392
                                         0.158 0.874382
                               304.763 -3.030 0.002558 **
## MONTHFebruary
                   -923.390
## MONTHJanuary
                   -967.766
                               326.939
                                       -2.960 0.003204 **
## MONTHJuly
                   -612.408
                               344.307
                                       -1.779 0.075829 .
## MONTHJune
                   -227.634
                                       -0.733 0.463773
                               310.489
## MONTHMarch
                   -451.147
                               277.753 -1.624 0.104871
## MONTHMay
                   245.195
                               286.788
                                       0.855 0.392929
## MONTHNovember
                               291.562
                                         2.026 0.043190 *
                    590.822
## MONTHOctober
                   1010.110
                               278.910 3.622 0.000319 ***
                               300.473
                                         1.950 0.051615 .
## MONTHSeptember
                    586.055
## WEEKDAYYES
                     68.086
                               123.321
                                         0.552 0.581096
## BADWEATHERYES
                 -2145.580
                               364.240 -5.891 6.59e-09 ***
                               48.247 3.642 0.000295 ***
## TEMP
                    175.738
## ATEMP
                    -43.247
                                42.066 -1.028 0.304355
## HUMIDITY
                    -26.261
                                 4.057 -6.473 2.08e-10 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1339 on 568 degrees of freedom
## Multiple R-squared: 0.5328, Adjusted R-squared: 0.5196
## F-statistic: 40.48 on 16 and 568 DF, p-value: < 2.2e-16
resultsOrg <- dfbTest %>%
  mutate(predictedOrg = predict(fitOrg, dfbTest))
performanceOrg <- metric_set(rmse, mae)</pre>
performanceOrg(resultsOrg, truth = COUNT, estimate = predictedOrg)
## # A tibble: 2 x 3
     .metric .estimator .estimate
##
##
     <chr>>
            <chr>>
                            <dbl>
## 1 rmse
             standard
                            1358.
## 2 mae
             standard
                            1153.
#fitNew
fitNew <- lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
HUMIDITY + WINDSPEED, data = dfbTrain)
summary(fitNew)
##
## Call:
## lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
##
       HUMIDITY + WINDSPEED, data = dfbTrain)
##
## Residuals:
      Min
               1Q Median 3Q
                                       Max
```

```
## -3210.6 -1012.3 -156.4 1083.6 3517.2
##
## Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
##
## (Intercept)
                   5488.298
                               430.937 12.736 < 2e-16 ***
## MONTHAugust
                   -424.317
                               316.802
                                       -1.339 0.180985
                               289.712
## MONTHDecember
                   -176.926
                                       -0.611 0.541645
## MONTHFebruary
                 -1026.291
                               297.598
                                       -3.449 0.000605 ***
                                       -3.248 0.001233 **
## MONTHJanuary
                  -1035.533
                               318.869
## MONTHJuly
                               337.755
                                       -2.446 0.014731 *
                   -826.290
## MONTHJune
                   -368.085
                               303.654 -1.212 0.225947
## MONTHMarch
                   -491.403
                               270.796
                                       -1.815 0.070104 .
## MONTHMay
                                         0.494 0.621553
                    138.378
                               280.163
## MONTHNovember
                    443.200
                               285.392 1.553 0.120993
## MONTHOctober
                                         3.099 0.002037 **
                    847.305
                               273.396
## MONTHSeptember
                    415.414
                               294.443 1.411 0.158838
## WEEKDAYYES
                     46.728
                               120.251
                                         0.389 0.697728
                               360.433 -4.989 8.08e-07 ***
## BADWEATHERYES
                 -1798.195
                                47.120 4.088 4.98e-05 ***
## TEMP
                    192.631
## ATEMP
                    -60.573
                                41.116 -1.473 0.141246
## HUMIDITY
                    -32.522
                                 4.111 -7.911 1.34e-14 ***
                                10.751 -5.567 4.01e-08 ***
## WINDSPEED
                    -59.846
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 1305 on 567 degrees of freedom
## Multiple R-squared: 0.557, Adjusted R-squared: 0.5437
## F-statistic: 41.93 on 17 and 567 DF, p-value: < 2.2e-16
resultsNew <- dfbTest %>%
  mutate(predictedNew = predict(fitNew, dfbTest))
performanceNew <- metric_set(rmse, mae)</pre>
performanceNew(resultsNew, truth = COUNT, estimate = predictedNew)
## # A tibble: 2 x 3
##
     .metric .estimator .estimate
##
     <chr>>
             <chr>>
                            <dbl>
## 1 rmse
             standard
                            1315.
## 2 mae
             standard
                            1133.
#8.
dfbTrain1 <- dfbOrg %>% filter(year(DATE) == 2011)
dfbTest1 <- dfbOrg %>% filter(year(DATE) == 2012)
# random
fitOrg1 <- lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
HUMIDITY, data = dfbTrain1)
summary(fit0rg1)
```

```
##
## Call:
## lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
       HUMIDITY, data = dfbTrain1)
##
## Residuals:
                       Median
##
        Min
                  10
                                     30
                                             Max
## -2894.67
            -286.48
                        54.04
                                363.67
                                         2061.53
## Coefficients:
##
                   Estimate Std. Error t value Pr(>|t|)
                                        12.683 < 2e-16 ***
## (Intercept)
                   3152.714
                               248.571
                    499.693
                               199.955
                                          2.499 0.012914 *
## MONTHAugust
## MONTHDecember
                     98.991
                               178.106
                                          0.556 0.578706
                  -1074.926
                                         -5.610 4.13e-08 ***
## MONTHFebruary
                               191.612
## MONTHJanuary
                  -1253.748
                               219.656
                                        -5.708 2.45e-08 ***
## MONTHJuly
                    464.458
                               220.241
                                          2.109 0.035670 *
                                         4.230 2.99e-05 ***
## MONTHJune
                    845.186
                               199.805
## MONTHMarch
                   -751.683
                               177.509
                                       -4.235 2.93e-05 ***
                                        5.420 1.11e-07 ***
## MONTHMay
                    934.792
                               172.461
## MONTHNovember
                    590.487
                               169.370
                                         3.486 0.000552 ***
                                          6.163 1.98e-09 ***
## MONTHOctober
                   1013.992
                               164.529
                                          5.195 3.50e-07 ***
## MONTHSeptember
                    936.297
                               180.238
## WEEKDAYYES
                      8.987
                                74.359
                                          0.121 0.903872
## BADWEATHERYES
                  -1419.036
                               184.526
                                        -7.690 1.52e-13 ***
## TEMP
                     85.520
                                28.813
                                          2.968 0.003204 **
                                        -0.999 0.318588
## ATEMP
                    -24.672
                                24.702
                    -12.838
                                       -5.186 3.65e-07 ***
## HUMIDITY
                                  2.476
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 638.8 on 348 degrees of freedom
## Multiple R-squared: 0.7948, Adjusted R-squared: 0.7854
## F-statistic: 84.25 on 16 and 348 DF, p-value: < 2.2e-16
resultsOrg1 <- dfbTest1 %>%
  mutate(predictedOrg1 = predict(fitOrg1, dfbTest1))
performanceOrg1 <- metric_set(rmse, mae)</pre>
performanceOrg1(resultsOrg1, truth = COUNT, estimate = predictedOrg1)
## # A tibble: 2 x 3
##
     .metric .estimator .estimate
##
     <chr>>
             <chr>>
                            <dbl>
## 1 rmse
             standard
                            2370.
## 2 mae
             standard
                            2179.
# fixed date
dfbTrain1.5<- dfbOrg%>%
 filter(DATE >= "2011-01-01" & DATE <= "2012-06-30")
```

```
dfbTest1.5<- dfbOrg%>%
 filter(DATE >= "2012-07-01" & DATE <= "2012-12-31")
fitOrg1.5 <- lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP
+ HUMIDITY, data = dfbTrain1.5)
summary(fitOrg1.5)
##
## Call:
## lm(formula = COUNT ~ MONTH + WEEKDAY + BADWEATHER + TEMP + ATEMP +
      HUMIDITY, data = dfbTrain1.5)
##
## Residuals:
##
      Min
               10 Median
                               3Q
                                      Max
## -2788.7 -810.6
                   -80.4
                            786.0 3631.9
##
## Coefficients:
##
                  Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                  3748.914
                              301.529 12.433 < 2e-16 ***
                              285.315 -5.278 1.91e-07 ***
## MONTHAugust
                 -1505.946
                                      -2.069 0.03904 *
## MONTHDecember
                  -543.482
                              262,686
## MONTHFebruary
                  -758.310
                              230.069 -3.296 0.00105 **
## MONTHJanuary
                   -743.473
                              250.199 -2.972 0.00310 **
                              308.676 -5.554 4.43e-08 ***
## MONTHJuly
                 -1714.360
                              244.357 -0.722 0.47083
## MONTHJune
                  -176.338
## MONTHMarch
                              206.759 -1.194 0.23304
                  -246.853
## MONTHMay
                  258.702
                              217.650 1.189 0.23512
## MONTHNovember
                  -255.958
                              254.385 -1.006 0.31479
                              248.751 -0.197 0.84429
## MONTHOctober
                   -48.880
## MONTHSeptember -601.362
                              268.788
                                      -2.237 0.02568 *
## WEEKDAYYES
                   -50.188
                              104.846 -0.479 0.63236
## BADWEATHERYES -1428.751
                              291.660 -4.899 1.28e-06 ***
                              37.120 6.233 9.36e-10 ***
## TEMP
                   231.361
## ATEMP
                   -90.002
                               32.379 -2.780 0.00564 **
## HUMIDITY
                   -22.092
                                3.307 -6.681 6.01e-11 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 1104 on 530 degrees of freedom
## Multiple R-squared: 0.5963, Adjusted R-squared: 0.5841
## F-statistic: 48.93 on 16 and 530 DF, p-value: < 2.2e-16
resultsOrg1.5 <- dfbTest1.5 %>%
 mutate(predictedOrg1.5 = predict(fitOrg1.5, dfbTest1.5))
performanceOrg1.5 <- metric set(rmse, mae)</pre>
performanceOrg1.5(resultsOrg1.5, truth = COUNT, estimate = predictedOrg1.5)
```