

# R PROGRAMMING

## WEATHER PREDICTIONS

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I MSC (data analytics)

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### DESCRIPTION :

- ★ Description of weather prediction

Weather prediction is the application of science and technology to predict the state of the atmosphere for a given location and time. This includes a range of activities such as monitoring the weather, collecting data related to atmospheric conditions, analyzing the data, and predicting future conditions. Predictions are based on a combination of data from observations, satellite imagery, and computer models. Weather predictions can be used to help people make decisions about how to prepare for upcoming weather events, as well as anticipate future weather patterns.

### ASSUMPTIONS :

- ★ From this dataset, we can assume that the weather in the given time period is generally rainy, with occasional days of sun, drizzle, and snow. The highest temperatures tend to occur in the spring months (April to May) while the lowest temperatures occur in the winter months (December to February). The precipitation levels are highest in the winter months and lowest in the summer months.
- ★ # The wind speeds are generally high during the winter months, and lower in the spring and summer months.
- ★ This is my assumption according to my dataset.

### CODING :

```
install.packages("dplyr")  
  
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.2'  
## (as 'lib' is unspecified)
```

```

library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

library(MASS)

##
## Attaching package: 'MASS'

## The following object is masked from 'package:dplyr':
##
##   select

data <- read.csv("seattle-weather.csv")
data

##      date precipitation temp_max temp_min wind weather
## 1 2012-01-01         0.0    12.8     5.0 4.7 drizzle
## 2 2012-01-02        10.9    10.6     2.8 4.5  rain
## 3 2012-01-03         0.8    11.7     7.2 2.3  rain
## 4 2012-01-04        20.3    12.2     5.6 4.7  rain
## 5 2012-01-05         1.3     8.9     2.8 6.1  rain
## 6 2012-01-06         2.5     4.4     2.2 2.2  rain
## 7 2012-01-07         0.0     7.2     2.8 2.3  rain
## 8 2012-01-08         0.0    10.0     2.8 2.0   sun
## 9 2012-01-09         4.3     9.4     5.0 3.4  rain
##10 2012-01-10         1.0     6.1     0.6 3.4  rain
##11 2012-01-11         0.0     6.1    -1.1 5.1   sun
##12 2012-01-12         0.0     6.1    -1.7 1.9   sun
##13 2012-01-13         0.0     5.0    -2.8 1.3   sun
##14 2012-01-14         4.1     4.4     0.6 5.3  snow
##15 2012-01-15         5.3     1.1    -3.3 3.2  snow
##16 2012-01-16         2.5     1.7    -2.8 5.0  snow
##17 2012-01-17         8.1     3.3     0.0 5.6  snow
##18 2012-01-18        19.8     0.0    -2.8 5.0  snow
##19 2012-01-19        15.2    -1.1    -2.8 1.6  snow
##20 2012-01-20        13.5     7.2    -1.1 2.3  snow
##21 2012-01-21         3.0     8.3     3.3 8.2  rain
##22 2012-01-22         6.1     6.7     2.2 4.8  rain
##23 2012-01-23         0.0     8.3     1.1 3.6  rain
##24 2012-01-24         8.6    10.0     2.2 5.1  rain
##25 2012-01-25         8.1     8.9     4.4 5.4  rain
##26 2012-01-26         4.8     8.9     1.1 4.8  rain
##27 2012-01-27         0.0     6.7    -2.2 1.4 drizzle
##28 2012-01-28         0.0     6.7     0.6 2.2  rain
##29 2012-01-29        27.7     9.4     3.9 4.5  rain
##30 2012-01-30         3.6     8.3     6.1 5.1  rain
##31 2012-01-31         1.8     9.4     6.1 3.9  rain
##32 2012-02-01        13.5     8.9     3.3 2.7  rain
##33 2012-02-02         0.0     8.3     1.7 2.6   sun

```

## 34	2012-02-03	0.0	14.4	2.2	5.3	sun
## 35	2012-02-04	0.0	15.6	5.0	4.3	sun
## 36	2012-02-05	0.0	13.9	1.7	2.9	sun
## 37	2012-02-06	0.0	16.1	1.7	5.0	sun
## 38	2012-02-07	0.3	15.6	7.8	5.3	rain
## 39	2012-02-08	2.8	10.0	5.0	2.7	rain
## 40	2012-02-09	2.5	11.1	7.8	2.4	rain
## 41	2012-02-10	2.5	12.8	6.7	3.0	rain
## 42	2012-02-11	0.8	8.9	5.6	3.4	rain
## 43	2012-02-12	1.0	8.3	5.0	1.3	rain
## 44	2012-02-13	11.4	7.2	4.4	1.4	rain
## 45	2012-02-14	2.5	6.7	1.1	3.1	rain
## 46	2012-02-15	0.0	7.2	0.6	1.8	drizzle
## 47	2012-02-16	1.8	7.2	3.3	2.1	rain
## 48	2012-02-17	17.3	10.0	4.4	3.4	rain
## 49	2012-02-18	6.4	6.7	3.9	8.1	rain
## 50	2012-02-19	0.0	6.7	2.2	4.7	sun
## 51	2012-02-20	3.0	7.8	1.7	2.9	rain
## 52	2012-02-21	0.8	10.0	7.8	7.5	rain
## 53	2012-02-22	8.6	10.0	2.8	5.9	rain
## 54	2012-02-23	0.0	8.3	2.8	3.9	sun
## 55	2012-02-24	11.4	6.7	4.4	3.5	rain
## 56	2012-02-25	0.0	7.2	2.8	6.4	rain
## 57	2012-02-26	1.3	5.0	-1.1	3.4	snow
## 58	2012-02-27	0.0	6.7	-2.2	3.0	sun
## 59	2012-02-28	3.6	6.7	-0.6	4.2	snow
## 60	2012-02-29	0.8	5.0	1.1	7.0	snow
## 61	2012-03-01	0.0	6.1	1.1	3.1	sun
## 62	2012-03-02	2.0	6.7	3.9	5.1	rain
## 63	2012-03-03	0.0	12.2	6.7	7.0	sun
## 64	2012-03-04	0.0	10.6	6.7	5.6	rain
## 65	2012-03-05	6.9	7.8	1.1	6.2	rain
## 66	2012-03-06	0.5	6.7	0.0	2.7	snow
## 67	2012-03-07	0.0	8.9	-1.7	2.7	sun
## 68	2012-03-08	0.0	15.6	0.6	2.5	sun
## 69	2012-03-09	3.6	9.4	5.0	2.8	rain
## 70	2012-03-10	10.4	7.2	6.1	3.4	rain
## 71	2012-03-11	13.7	6.7	2.8	5.8	rain
## 72	2012-03-12	19.3	8.3	0.6	6.2	snow
## 73	2012-03-13	9.4	5.6	0.6	5.3	snow
## 74	2012-03-14	8.6	7.8	1.1	4.7	rain
## 75	2012-03-15	23.9	11.1	5.6	5.8	snow
## 76	2012-03-16	8.4	8.9	3.9	5.1	rain
## 77	2012-03-17	9.4	10.0	0.6	3.8	snow
## 78	2012-03-18	3.6	5.0	-0.6	2.7	rain
## 79	2012-03-19	2.0	7.2	-1.1	3.0	rain
## 80	2012-03-20	3.6	7.8	2.2	6.4	rain
## 81	2012-03-21	1.3	8.9	1.1	2.5	rain
## 82	2012-03-22	4.1	10.0	1.7	2.1	rain
## 83	2012-03-23	0.0	12.2	0.6	2.8	sun
## 84	2012-03-24	0.0	15.0	3.3	5.2	sun
## 85	2012-03-25	0.0	13.3	2.2	2.7	rain
## 86	2012-03-26	0.0	12.8	6.1	4.3	drizzle
## 87	2012-03-27	4.8	14.4	6.7	3.8	rain
## 88	2012-03-28	1.3	10.6	7.2	5.9	rain
## 89	2012-03-29	27.4	10.0	6.1	4.4	rain
## 90	2012-03-30	5.6	9.4	5.0	4.7	rain
## 91	2012-03-31	13.2	10.0	2.8	3.4	rain

## 92	2012-04-01	1.5	8.9	4.4	6.8	rain
## 93	2012-04-02	0.0	16.7	4.4	3.1	sun
## 94	2012-04-03	1.5	11.7	3.3	3.1	rain
## 95	2012-04-04	0.0	10.6	2.8	2.1	sun
## 96	2012-04-05	4.6	9.4	2.8	1.8	snow
## 97	2012-04-06	0.3	11.1	3.3	2.6	rain
## 98	2012-04-07	0.0	16.1	1.7	4.3	sun
## 99	2012-04-08	0.0	21.1	7.2	4.1	sun
## 100	2012-04-09	0.0	20.0	6.1	2.1	sun
## 101	2012-04-10	0.0	17.8	8.9	3.2	rain
## 102	2012-04-11	2.3	11.1	7.2	2.6	rain
## 103	2012-04-12	0.5	13.9	5.6	2.6	rain
## 104	2012-04-13	0.0	15.0	3.9	4.0	drizzle
## 105	2012-04-14	0.0	15.6	3.3	3.0	sun
## 106	2012-04-15	0.0	16.1	7.2	2.9	rain
## 107	2012-04-16	8.1	13.3	6.7	5.8	rain
## 108	2012-04-17	1.8	10.0	4.4	2.0	rain
## 109	2012-04-18	1.8	13.3	7.2	3.9	rain
## 110	2012-04-19	10.9	13.9	5.0	2.6	rain
## 111	2012-04-20	6.6	13.3	6.7	2.7	rain
## 112	2012-04-21	0.0	20.0	4.4	2.3	sun
## 113	2012-04-22	0.0	23.3	8.3	2.6	rain
## 114	2012-04-23	0.0	21.7	8.9	3.5	sun
## 115	2012-04-24	4.3	13.9	10.0	2.8	rain
## 116	2012-04-25	10.7	16.7	8.9	2.6	rain
## 117	2012-04-26	3.8	13.9	6.7	5.2	rain
## 118	2012-04-27	0.8	13.3	6.1	4.8	rain
## 119	2012-04-28	0.0	16.1	8.3	2.5	drizzle
## 120	2012-04-29	4.3	15.6	8.9	1.6	rain
## 121	2012-04-30	4.3	12.8	7.2	8.0	rain
## 122	2012-05-01	0.5	11.7	6.1	6.4	rain
## 123	2012-05-02	0.5	13.3	5.6	2.5	rain
## 124	2012-05-03	18.5	11.1	7.2	3.4	rain
## 125	2012-05-04	1.8	12.2	6.1	4.6	rain
## 126	2012-05-05	0.0	13.3	5.0	2.3	sun
## 127	2012-05-06	0.0	17.8	5.0	2.4	sun
## 128	2012-05-07	0.0	23.9	6.1	2.2	sun
## 129	2012-05-08	0.0	18.3	9.4	3.0	sun
## 130	2012-05-09	0.0	13.3	6.7	3.9	rain
## 131	2012-05-10	0.0	14.4	3.9	3.0	sun
## 132	2012-05-11	0.0	18.3	4.4	4.3	sun
## 133	2012-05-12	0.0	24.4	6.7	3.4	sun
## 134	2012-05-13	0.0	25.6	9.4	4.2	sun
## 135	2012-05-14	0.0	26.7	12.8	3.8	sun
## 136	2012-05-15	0.0	24.4	9.4	4.1	drizzle
## 137	2012-05-16	0.0	19.4	9.4	3.5	sun
## 138	2012-05-17	0.0	17.8	6.7	2.9	rain
## 139	2012-05-18	0.0	15.6	7.8	3.1	rain
## 140	2012-05-19	0.0	19.4	7.2	1.5	sun
## 141	2012-05-20	6.4	14.4	11.7	1.3	rain
## 142	2012-05-21	14.0	16.7	10.0	4.0	rain
## 143	2012-05-22	6.1	12.8	8.9	4.8	rain
## 144	2012-05-23	0.3	14.4	8.9	6.3	rain
## 145	2012-05-24	0.0	17.2	8.9	3.3	rain
## 146	2012-05-25	0.0	22.2	8.9	3.1	rain
## 147	2012-05-26	0.0	22.2	8.9	3.6	sun
## 148	2012-05-27	0.0	17.2	11.7	3.7	sun
## 149	2012-05-28	0.0	16.7	10.0	3.4	rain

## 150	2012-05-29	0.0	16.1	7.8	1.8	sun
## 151	2012-05-30	0.3	18.9	11.1	1.5	rain
## 152	2012-05-31	3.8	17.8	12.2	2.7	rain
## 153	2012-06-01	6.6	20.0	12.8	3.7	rain
## 154	2012-06-02	0.3	18.9	10.6	3.7	rain
## 155	2012-06-03	0.0	17.2	9.4	2.9	sun
## 156	2012-06-04	1.3	12.8	8.9	3.1	rain
## 157	2012-06-05	16.0	13.3	8.3	3.3	rain
## 158	2012-06-06	0.0	16.1	6.1	3.4	sun
## 159	2012-06-07	16.5	16.1	8.9	3.5	rain
## 160	2012-06-08	1.5	15.0	8.3	3.0	rain
## 161	2012-06-09	0.0	17.2	8.3	4.7	rain
## 162	2012-06-10	0.0	18.9	10.0	2.9	sun
## 163	2012-06-11	0.0	23.3	10.0	1.8	rain
## 164	2012-06-12	0.8	18.3	12.8	3.9	rain
## 165	2012-06-13	0.0	16.1	11.1	4.3	sun
## 166	2012-06-14	0.0	17.2	10.0	2.7	sun
## 167	2012-06-15	0.0	22.2	9.4	1.7	sun
## 168	2012-06-16	0.0	21.1	15.0	4.1	rain
## 169	2012-06-17	0.0	18.9	11.7	6.4	sun
## 170	2012-06-18	3.0	17.2	10.0	3.8	rain
## 171	2012-06-19	1.0	19.4	10.0	3.0	rain
## 172	2012-06-20	0.0	24.4	10.0	3.0	sun
## 173	2012-06-21	0.0	23.9	11.7	2.1	sun
## 174	2012-06-22	15.7	13.9	11.7	1.9	rain
## 175	2012-06-23	8.6	15.6	9.4	2.5	rain
## 176	2012-06-24	0.0	19.4	9.4	2.0	drizzle
## 177	2012-06-25	0.5	19.4	11.1	3.1	rain
## 178	2012-06-26	0.0	18.3	10.6	3.4	rain
## 179	2012-06-27	0.0	22.8	8.9	1.8	sun
## 180	2012-06-28	0.0	22.2	11.7	2.5	rain
## 181	2012-06-29	0.3	21.7	15.0	1.9	rain
## 182	2012-06-30	3.0	20.0	13.3	2.4	rain
## 183	2012-07-01	0.0	20.0	12.2	2.3	rain
## 184	2012-07-02	2.0	18.9	11.7	2.1	rain
## 185	2012-07-03	5.8	18.3	10.6	6.0	rain
## 186	2012-07-04	0.0	20.6	9.4	3.8	sun
## 187	2012-07-05	0.0	24.4	10.6	3.1	drizzle
## 188	2012-07-06	0.0	25.0	11.1	2.1	sun
## 189	2012-07-07	0.0	26.7	12.8	3.8	sun
## 190	2012-07-08	0.0	28.3	14.4	2.8	rain
## 191	2012-07-09	1.5	25.0	12.8	2.0	rain
## 192	2012-07-10	0.0	23.9	11.1	2.3	drizzle
## 193	2012-07-11	0.0	27.8	13.3	2.9	fog
## 194	2012-07-12	0.0	25.6	13.3	2.7	drizzle
## 195	2012-07-13	0.5	23.3	13.9	2.2	rain
## 196	2012-07-14	0.0	25.0	15.0	2.2	rain
## 197	2012-07-15	0.0	18.9	13.3	3.8	rain
## 198	2012-07-16	0.3	26.1	13.3	2.5	rain
## 199	2012-07-17	0.0	21.7	15.0	2.6	sun
## 200	2012-07-18	0.0	21.1	14.4	2.9	sun
## 201	2012-07-19	0.0	25.0	14.4	2.2	sun
## 202	2012-07-20	15.2	19.4	13.9	4.0	rain
## 203	2012-07-21	0.0	23.9	13.9	2.3	sun
## 204	2012-07-22	1.0	20.6	12.2	3.9	rain
## 205	2012-07-23	0.0	18.9	11.1	3.3	rain
## 206	2012-07-24	0.0	23.3	12.2	4.3	sun
## 207	2012-07-25	0.0	26.7	12.8	2.6	sun

## 208	2012-07-26	0.0	25.6	12.8	2.2	drizzle
## 209	2012-07-27	0.0	18.9	13.9	2.8	drizzle
## 210	2012-07-28	0.0	22.2	13.3	1.7	drizzle
## 211	2012-07-29	0.0	22.8	15.0	2.0	sun
## 212	2012-07-30	0.0	19.4	13.3	3.0	sun
## 213	2012-07-31	0.0	22.8	13.9	2.8	sun
## 214	2012-08-01	0.0	23.9	13.3	2.2	drizzle
## 215	2012-08-02	0.0	23.3	12.2	2.5	sun
## 216	2012-08-03	0.0	27.2	12.8	3.9	sun
## 217	2012-08-04	0.0	33.9	16.7	3.7	sun
## 218	2012-08-05	0.0	33.9	17.8	1.9	sun
## 219	2012-08-06	0.0	28.3	15.6	2.5	rain
## 220	2012-08-07	0.0	21.1	15.0	2.6	drizzle
## 221	2012-08-08	0.0	22.2	15.0	3.1	sun
## 222	2012-08-09	0.0	24.4	14.4	3.8	drizzle
## 223	2012-08-10	0.0	25.6	12.2	2.3	sun
## 224	2012-08-11	0.0	28.3	13.3	2.5	sun
## 225	2012-08-12	0.0	30.6	15.0	3.0	sun
## 226	2012-08-13	0.0	30.6	15.0	2.8	sun
## 227	2012-08-14	0.0	28.9	13.9	2.8	sun
## 228	2012-08-15	0.0	31.1	16.7	4.7	sun
## 229	2012-08-16	0.0	34.4	18.3	2.8	sun
## 230	2012-08-17	0.0	32.8	16.1	1.8	sun
## 231	2012-08-18	0.0	21.7	14.4	3.0	drizzle
## 232	2012-08-19	0.0	23.3	15.0	2.7	drizzle
## 233	2012-08-20	0.0	25.6	15.0	1.9	sun
## 234	2012-08-21	0.0	23.3	13.3	3.0	rain
## 235	2012-08-22	0.0	22.2	13.3	2.3	sun
## 236	2012-08-23	0.0	21.1	13.9	3.8	sun
## 237	2012-08-24	0.0	22.2	10.0	3.3	sun
## 238	2012-08-25	0.0	26.1	11.7	3.2	sun
## 239	2012-08-26	0.0	21.1	12.2	3.4	sun
## 240	2012-08-27	0.0	23.9	13.3	1.8	sun
## 241	2012-08-28	0.0	22.8	12.2	3.2	sun
## 242	2012-08-29	0.0	22.8	13.3	2.4	sun
## 243	2012-08-30	0.0	22.8	12.8	1.9	sun
## 244	2012-08-31	0.0	22.2	10.6	2.9	sun
## 245	2012-09-01	0.0	21.7	10.6	2.1	sun
## 246	2012-09-02	0.0	21.1	10.0	2.0	sun
## 247	2012-09-03	0.0	22.8	12.8	3.3	sun
## 248	2012-09-04	0.0	24.4	11.1	3.1	sun
## 249	2012-09-05	0.0	26.1	11.7	2.6	sun
## 250	2012-09-06	0.0	28.3	14.4	4.2	sun
## 251	2012-09-07	0.0	32.2	13.3	3.1	sun
## 252	2012-09-08	0.0	25.0	13.3	3.0	sun
## 253	2012-09-09	0.3	18.9	13.9	5.0	rain
## 254	2012-09-10	0.3	20.0	11.7	3.9	rain
## 255	2012-09-11	0.0	20.0	8.9	4.2	sun
## 256	2012-09-12	0.0	22.2	10.0	5.6	sun
## 257	2012-09-13	0.0	27.8	11.7	3.6	sun
## 258	2012-09-14	0.0	26.1	11.1	1.5	sun
## 259	2012-09-15	0.0	22.2	11.1	1.9	sun
## 260	2012-09-16	0.0	24.4	9.4	2.3	sun
## 261	2012-09-17	0.0	27.8	11.7	2.2	fog
## 262	2012-09-18	0.0	27.8	11.7	1.4	sun
## 263	2012-09-19	0.0	23.9	11.7	1.9	drizzle
## 264	2012-09-20	0.0	19.4	10.0	2.5	drizzle
## 265	2012-09-21	0.0	16.1	12.8	2.1	drizzle

## 266	2012-09-22	0.3	19.4	11.7	1.1	rain
## 267	2012-09-23	0.0	19.4	10.0	1.4	fog
## 268	2012-09-24	0.0	21.1	10.0	1.8	fog
## 269	2012-09-25	0.0	19.4	11.1	1.7	sun
## 270	2012-09-26	0.0	19.4	9.4	1.7	drizzle
## 271	2012-09-27	0.0	22.8	10.0	1.7	drizzle
## 272	2012-09-28	0.0	25.0	12.2	1.1	rain
## 273	2012-09-29	0.0	20.6	12.2	4.3	sun
## 274	2012-09-30	0.0	21.1	7.8	3.1	sun
## 275	2012-10-01	0.0	23.3	8.9	3.0	sun
## 276	2012-10-02	0.0	17.8	10.0	4.1	sun
## 277	2012-10-03	0.0	18.9	7.8	7.3	sun
## 278	2012-10-04	0.0	18.9	8.3	6.5	sun
## 279	2012-10-05	0.0	21.7	8.9	5.7	sun
## 280	2012-10-06	0.0	23.9	7.8	5.1	sun
## 281	2012-10-07	0.0	23.9	7.8	1.3	sun
## 282	2012-10-08	0.0	21.1	7.8	1.9	sun
## 283	2012-10-09	0.0	16.1	8.9	1.6	drizzle
## 284	2012-10-10	0.0	12.2	8.3	1.4	drizzle
## 285	2012-10-11	0.0	13.9	7.2	1.3	drizzle
## 286	2012-10-12	2.0	13.9	8.9	4.6	rain
## 287	2012-10-13	4.8	15.6	12.2	3.9	rain
## 288	2012-10-14	16.5	17.8	13.3	3.4	rain
## 289	2012-10-15	7.9	17.2	11.1	4.6	rain
## 290	2012-10-16	0.0	16.1	8.3	5.5	sun
## 291	2012-10-17	0.0	14.4	6.1	1.6	sun
## 292	2012-10-18	20.8	17.8	6.7	2.0	rain
## 293	2012-10-19	4.8	15.0	9.4	5.3	rain
## 294	2012-10-20	0.5	11.1	6.1	5.7	rain
## 295	2012-10-21	6.4	11.7	4.4	2.7	rain
## 296	2012-10-22	8.9	7.8	3.3	2.6	rain
## 297	2012-10-23	0.0	11.1	5.6	3.0	rain
## 298	2012-10-24	7.1	11.7	6.1	2.1	rain
## 299	2012-10-25	0.0	11.7	6.7	1.5	sun
## 300	2012-10-26	1.5	11.1	7.2	2.5	rain
## 301	2012-10-27	23.1	14.4	9.4	5.1	rain
## 302	2012-10-28	6.1	14.4	10.0	3.8	rain
## 303	2012-10-29	10.9	15.6	10.0	4.9	rain
## 304	2012-10-30	34.5	15.0	12.2	2.8	rain
## 305	2012-10-31	14.5	15.6	11.1	2.7	rain
## 306	2012-11-01	9.7	15.0	10.6	3.0	rain
## 307	2012-11-02	5.6	15.0	10.6	1.0	rain
## 308	2012-11-03	0.5	15.6	11.1	3.6	rain
## 309	2012-11-04	8.1	17.8	12.8	3.8	rain
## 310	2012-11-05	0.8	15.0	7.8	4.0	rain
## 311	2012-11-06	0.3	12.8	6.7	3.5	rain
## 312	2012-11-07	0.0	12.2	3.9	3.4	rain
## 313	2012-11-08	0.0	10.0	1.1	3.4	rain
## 314	2012-11-09	0.0	8.9	1.1	2.0	rain
## 315	2012-11-10	0.0	7.8	-0.6	2.2	sun
## 316	2012-11-11	15.2	8.9	1.1	3.0	rain
## 317	2012-11-12	3.6	12.8	6.1	3.0	rain
## 318	2012-11-13	5.3	11.1	7.8	2.5	rain
## 319	2012-11-14	0.8	11.1	5.0	2.6	rain
## 320	2012-11-15	0.0	9.4	2.8	2.4	drizzle
## 321	2012-11-16	5.6	9.4	2.2	1.6	rain
## 322	2012-11-17	6.1	12.2	6.1	5.3	rain
## 323	2012-11-18	7.9	10.0	6.1	4.9	rain

## 324	2012-11-19	54.1	13.3	8.3	6.0	rain
## 325	2012-11-20	3.8	11.1	7.2	4.2	rain
## 326	2012-11-21	11.2	8.3	3.9	5.5	rain
## 327	2012-11-22	0.0	8.9	2.8	1.5	rain
## 328	2012-11-23	32.0	9.4	6.1	2.4	rain
## 329	2012-11-24	0.0	8.9	3.9	1.2	rain
## 330	2012-11-25	0.0	8.3	1.1	3.6	drizzle
## 331	2012-11-26	0.0	9.4	1.7	3.8	fog
## 332	2012-11-27	0.0	10.0	1.7	1.5	sun
## 333	2012-11-28	2.8	9.4	2.2	2.9	rain
## 334	2012-11-29	1.5	12.8	7.8	4.2	rain
## 335	2012-11-30	35.6	15.0	7.8	4.6	rain
## 336	2012-12-01	4.1	13.3	8.3	5.5	rain
## 337	2012-12-02	19.6	8.3	7.2	6.2	rain
## 338	2012-12-03	13.0	9.4	7.2	4.4	rain
## 339	2012-12-04	14.2	11.7	7.2	6.2	rain
## 340	2012-12-05	1.5	8.9	4.4	5.0	rain
## 341	2012-12-06	1.5	7.2	6.1	5.1	rain
## 342	2012-12-07	1.0	7.8	3.3	4.6	rain
## 343	2012-12-08	0.0	6.7	3.3	2.0	sun
## 344	2012-12-09	1.5	6.7	2.8	2.1	rain
## 345	2012-12-10	0.5	7.2	5.6	1.8	rain
## 346	2012-12-11	3.0	7.8	5.6	4.5	rain
## 347	2012-12-12	8.1	6.7	4.4	2.0	rain
## 348	2012-12-13	2.3	7.2	3.3	2.8	rain
## 349	2012-12-14	7.9	6.1	1.1	1.7	rain
## 350	2012-12-15	5.3	4.4	0.6	5.1	snow
## 351	2012-12-16	22.6	6.7	3.3	5.5	snow
## 352	2012-12-17	2.0	8.3	1.7	9.5	rain
## 353	2012-12-18	3.3	3.9	0.6	5.3	snow
## 354	2012-12-19	13.7	8.3	1.7	5.8	snow
## 355	2012-12-20	13.2	7.2	0.6	3.7	rain
## 356	2012-12-21	1.8	8.3	-1.7	1.7	rain
## 357	2012-12-22	3.3	8.3	3.9	3.5	rain
## 358	2012-12-23	6.6	7.2	3.3	2.5	rain
## 359	2012-12-24	0.3	5.6	2.8	2.8	rain
## 360	2012-12-25	13.5	5.6	2.8	4.2	snow
## 361	2012-12-26	4.6	6.7	3.3	4.9	rain
## 362	2012-12-27	4.1	7.8	3.3	3.2	rain
## 363	2012-12-28	0.0	8.3	3.9	1.7	rain
## 364	2012-12-29	1.5	5.0	3.3	1.7	rain
## 365	2012-12-30	0.0	4.4	0.0	1.8	drizzle
## 366	2012-12-31	0.0	3.3	-1.1	2.0	drizzle
## 367	2013-01-01	0.0	5.0	-2.8	2.7	sun
## 368	2013-01-02	0.0	6.1	-1.1	3.2	sun
## 369	2013-01-03	4.1	6.7	-1.7	3.0	rain
## 370	2013-01-04	2.5	10.0	2.2	2.8	rain
## 371	2013-01-05	3.0	6.7	4.4	3.1	rain
## 372	2013-01-06	2.0	7.2	2.8	3.0	rain
## 373	2013-01-07	2.3	10.0	4.4	7.3	rain
## 374	2013-01-08	16.3	11.7	5.6	6.3	rain
## 375	2013-01-09	38.4	10.0	1.7	5.1	rain
## 376	2013-01-10	0.3	3.3	-0.6	2.1	snow
## 377	2013-01-11	0.0	2.8	-2.8	1.9	drizzle
## 378	2013-01-12	0.0	2.8	-3.9	2.0	sun
## 379	2013-01-13	0.0	2.2	-4.4	1.5	sun
## 380	2013-01-14	0.0	3.3	-2.2	1.3	sun
## 381	2013-01-15	0.0	6.7	-0.6	2.3	sun



## 382	2013-01-16	0.0	6.1	-3.9	1.8	drizzle
## 383	2013-01-17	0.0	3.9	-2.8	1.0	drizzle
## 384	2013-01-18	0.0	3.3	-1.1	1.3	drizzle
## 385	2013-01-19	0.0	1.1	-0.6	1.9	drizzle
## 386	2013-01-20	0.0	3.3	-0.6	2.1	drizzle
## 387	2013-01-21	0.0	2.2	-1.7	1.1	drizzle
## 388	2013-01-22	0.0	3.3	-1.7	0.6	drizzle
## 389	2013-01-23	5.1	7.2	2.2	3.1	rain
## 390	2013-01-24	5.8	7.2	1.1	2.6	rain
## 391	2013-01-25	3.0	10.6	2.8	2.1	rain
## 392	2013-01-26	2.3	8.3	3.9	4.5	rain
## 393	2013-01-27	1.8	5.6	3.9	4.5	rain
## 394	2013-01-28	7.9	6.1	3.3	3.2	rain
## 395	2013-01-29	4.3	8.3	5.0	3.9	rain
## 396	2013-01-30	3.6	8.9	6.7	3.9	rain
## 397	2013-01-31	3.0	9.4	7.2	4.0	rain
## 398	2013-02-01	0.3	11.7	5.0	2.9	rain
## 399	2013-02-02	0.0	6.1	2.8	2.0	drizzle
## 400	2013-02-03	2.3	8.9	2.8	2.9	rain
## 401	2013-02-04	0.0	10.6	6.7	2.6	rain
## 402	2013-02-05	3.3	10.0	6.7	5.1	rain
## 403	2013-02-06	1.0	10.6	6.1	4.5	rain
## 404	2013-02-07	1.3	9.4	3.3	4.1	rain
## 405	2013-02-08	0.0	7.8	2.2	1.3	sun
## 406	2013-02-09	0.3	8.3	4.4	1.3	rain
## 407	2013-02-10	0.0	8.9	1.7	2.0	drizzle
## 408	2013-02-11	0.3	8.3	4.4	1.4	rain
## 409	2013-02-12	1.0	11.1	7.2	5.6	rain
## 410	2013-02-13	2.3	9.4	7.2	4.1	rain
## 411	2013-02-14	1.0	9.4	5.6	2.2	rain
## 412	2013-02-15	0.0	13.3	5.0	2.4	drizzle
## 413	2013-02-16	0.0	11.1	3.9	5.6	rain
## 414	2013-02-17	0.0	9.4	4.4	3.4	rain
## 415	2013-02-18	0.0	7.8	3.9	1.9	rain
## 416	2013-02-19	0.0	10.6	1.7	3.4	sun
## 417	2013-02-20	1.5	7.8	1.1	2.1	rain
## 418	2013-02-21	0.5	6.7	3.9	6.2	rain
## 419	2013-02-22	9.4	7.8	3.9	8.1	rain
## 420	2013-02-23	0.3	10.0	3.9	4.6	rain
## 421	2013-02-24	0.0	8.9	5.0	5.5	rain
## 422	2013-02-25	2.3	10.6	3.3	7.1	rain
## 423	2013-02-26	0.5	8.9	3.9	3.8	rain
## 424	2013-02-27	4.6	10.0	4.4	1.8	rain
## 425	2013-02-28	8.1	11.7	6.7	3.8	rain
## 426	2013-03-01	4.1	15.0	11.1	5.4	rain
## 427	2013-03-02	0.8	13.9	5.0	4.5	rain
## 428	2013-03-03	0.0	11.1	2.2	2.8	sun
## 429	2013-03-04	0.0	13.3	0.0	3.9	sun
## 430	2013-03-05	0.0	9.4	6.1	2.4	rain
## 431	2013-03-06	11.9	7.2	5.0	4.1	rain
## 432	2013-03-07	7.4	12.2	5.0	2.5	rain
## 433	2013-03-08	0.0	11.7	2.2	2.6	drizzle
## 434	2013-03-09	0.0	12.8	1.1	1.3	fog
## 435	2013-03-10	0.8	7.8	3.9	1.6	rain
## 436	2013-03-11	1.3	10.6	6.1	1.1	rain
## 437	2013-03-12	2.0	12.8	10.0	5.7	rain
## 438	2013-03-13	2.3	11.7	9.4	3.7	rain
## 439	2013-03-14	2.8	11.7	9.4	3.0	rain

## 440	2013-03-15	0.0	14.4	8.9	4.3	rain
## 441	2013-03-16	4.3	10.6	4.4	6.4	rain
## 442	2013-03-17	0.0	8.9	3.9	6.1	sun
## 443	2013-03-18	0.0	11.7	3.9	5.9	rain
## 444	2013-03-19	11.7	12.8	1.7	3.4	rain
## 445	2013-03-20	9.9	11.1	4.4	7.6	rain
## 446	2013-03-21	8.1	10.0	2.2	4.9	snow
## 447	2013-03-22	0.0	9.4	0.6	2.2	sun
## 448	2013-03-23	0.0	10.0	1.1	2.6	sun
## 449	2013-03-24	0.0	12.2	0.6	2.1	sun
## 450	2013-03-25	0.0	16.7	4.4	2.8	sun
## 451	2013-03-26	0.0	16.7	6.1	1.7	sun
## 452	2013-03-27	0.3	13.3	7.2	1.6	rain
## 453	2013-03-28	2.0	16.1	8.3	1.3	rain
## 454	2013-03-29	0.0	18.3	7.8	2.5	rain
## 455	2013-03-30	0.0	20.0	5.6	4.4	drizzle
## 456	2013-03-31	0.0	20.6	6.7	2.9	sun
## 457	2013-04-01	0.0	17.2	8.3	3.6	sun
## 458	2013-04-02	0.0	13.9	8.9	2.2	sun
## 459	2013-04-03	0.0	16.7	7.8	1.6	sun
## 460	2013-04-04	8.4	14.4	10.0	3.0	rain
## 461	2013-04-05	18.5	13.9	10.0	5.6	rain
## 462	2013-04-06	12.7	12.2	7.2	5.0	rain
## 463	2013-04-07	39.1	8.3	5.0	3.9	rain
## 464	2013-04-08	0.8	13.3	6.1	3.1	rain
## 465	2013-04-09	0.0	12.2	6.1	2.4	sun
## 466	2013-04-10	9.4	15.0	8.9	6.4	rain
## 467	2013-04-11	1.5	12.2	6.7	3.8	rain
## 468	2013-04-12	9.7	7.8	4.4	4.6	rain
## 469	2013-04-13	9.4	10.6	3.3	5.7	rain
## 470	2013-04-14	5.8	12.8	4.4	2.3	rain
## 471	2013-04-15	0.0	13.9	4.4	2.4	fog
## 472	2013-04-16	0.3	13.9	3.3	2.6	rain
## 473	2013-04-17	0.0	15.0	3.9	3.3	drizzle
## 474	2013-04-18	5.3	11.7	6.7	4.0	rain
## 475	2013-04-19	20.6	13.3	9.4	4.9	rain
## 476	2013-04-20	0.0	13.9	8.3	5.8	sun
## 477	2013-04-21	3.3	12.2	6.7	4.1	rain
## 478	2013-04-22	0.0	16.1	5.0	4.3	sun
## 479	2013-04-23	0.0	17.8	3.9	2.8	sun
## 480	2013-04-24	0.0	21.1	6.1	3.0	sun
## 481	2013-04-25	0.0	21.7	6.7	1.1	sun
## 482	2013-04-26	0.0	20.6	8.3	2.2	fog
## 483	2013-04-27	0.0	13.9	10.6	5.9	sun
## 484	2013-04-28	1.0	15.0	9.4	5.2	rain
## 485	2013-04-29	3.8	13.9	6.7	4.2	rain
## 486	2013-04-30	0.0	12.8	4.4	2.4	sun
## 487	2013-05-01	0.0	18.3	3.3	3.1	sun
## 488	2013-05-02	0.0	20.6	6.7	4.0	sun
## 489	2013-05-03	0.0	21.7	9.4	4.9	sun
## 490	2013-05-04	0.0	25.0	11.1	6.5	sun
## 491	2013-05-05	0.0	28.9	11.7	5.3	sun
## 492	2013-05-06	0.0	30.6	12.2	2.0	sun
## 493	2013-05-07	0.0	20.6	11.1	3.3	sun
## 494	2013-05-08	0.0	19.4	11.1	1.9	sun
## 495	2013-05-09	0.0	22.8	10.0	1.3	sun
## 496	2013-05-10	0.0	26.1	9.4	1.0	sun
## 497	2013-05-11	0.0	27.2	12.2	2.6	sun

## 498	2013-05-12	6.6	21.7	13.9	3.9	rain
## 499	2013-05-13	3.3	18.9	9.4	5.0	rain
## 500	2013-05-14	0.0	18.3	7.8	2.4	sun
## 501	2013-05-15	1.0	17.2	8.9	2.3	rain
## 502	2013-05-16	0.0	21.7	12.2	2.7	fog
## 503	2013-05-17	0.5	17.2	11.7	3.7	rain
## 504	2013-05-18	0.0	16.7	11.1	2.9	sun
## 505	2013-05-19	0.0	18.3	10.6	2.3	sun
## 506	2013-05-20	0.0	19.4	9.4	1.8	sun
## 507	2013-05-21	13.7	15.6	8.3	4.8	rain
## 508	2013-05-22	13.7	11.1	7.2	3.0	rain
## 509	2013-05-23	4.1	12.2	6.7	1.9	rain
## 510	2013-05-24	0.3	16.7	8.9	2.7	rain
## 511	2013-05-25	0.0	17.8	10.0	2.7	sun
## 512	2013-05-26	1.5	18.3	10.6	2.2	rain
## 513	2013-05-27	9.7	16.7	11.1	3.1	rain
## 514	2013-05-28	0.5	17.2	11.7	2.8	rain
## 515	2013-05-29	5.6	16.1	9.4	4.0	rain
## 516	2013-05-30	0.0	16.7	9.4	5.3	sun
## 517	2013-05-31	0.0	19.4	11.1	2.5	sun
## 518	2013-06-01	0.0	22.8	12.2	2.5	sun
## 519	2013-06-02	1.0	20.6	12.2	3.1	rain
## 520	2013-06-03	0.0	22.2	11.1	2.9	sun
## 521	2013-06-04	0.0	26.1	12.2	3.4	sun
## 522	2013-06-05	0.0	26.7	14.4	3.1	sun
## 523	2013-06-06	0.0	26.7	12.2	2.5	sun
## 524	2013-06-07	0.0	21.7	13.3	3.2	sun
## 525	2013-06-08	0.0	20.6	12.8	3.1	sun
## 526	2013-06-09	0.0	20.6	11.1	3.7	sun
## 527	2013-06-10	0.0	21.7	11.7	3.2	sun
## 528	2013-06-11	0.0	20.0	10.0	5.7	sun
## 529	2013-06-12	0.3	20.6	11.7	4.2	rain
## 530	2013-06-13	0.0	21.1	11.7	2.6	sun
## 531	2013-06-14	0.0	20.0	12.2	3.7	sun
## 532	2013-06-15	0.0	25.6	10.0	2.9	sun
## 533	2013-06-16	0.0	23.9	12.8	3.4	sun
## 534	2013-06-17	0.0	25.6	13.9	3.0	sun
## 535	2013-06-18	0.3	23.3	13.3	3.4	rain
## 536	2013-06-19	0.0	20.0	12.8	3.7	sun
## 537	2013-06-20	3.0	17.2	12.8	5.0	rain
## 538	2013-06-21	0.3	20.6	12.2	1.5	rain
## 539	2013-06-22	0.0	25.6	11.7	1.7	sun
## 540	2013-06-23	7.9	22.2	15.0	2.1	rain
## 541	2013-06-24	4.8	21.1	13.9	3.7	rain
## 542	2013-06-25	9.9	23.3	14.4	2.8	rain
## 543	2013-06-26	2.0	22.2	15.0	2.3	rain
## 544	2013-06-27	3.6	21.1	16.7	1.3	rain
## 545	2013-06-28	0.0	30.6	16.1	2.2	sun
## 546	2013-06-29	0.0	30.0	18.3	1.7	sun
## 547	2013-06-30	0.0	33.9	17.2	2.5	sun
## 548	2013-07-01	0.0	31.7	18.3	2.3	sun
## 549	2013-07-02	0.0	28.3	15.6	3.0	sun
## 550	2013-07-03	0.0	26.1	16.7	3.2	sun
## 551	2013-07-04	0.0	21.7	13.9	2.2	fog
## 552	2013-07-05	0.0	23.3	13.9	2.6	sun
## 553	2013-07-06	0.0	26.1	13.3	2.2	sun
## 554	2013-07-07	0.0	23.9	13.9	2.9	sun
## 555	2013-07-08	0.0	26.7	13.3	2.8	sun

## 556	2013-07-09	0.0	30.0	15.0	2.5	sun
## 557	2013-07-10	0.0	22.2	13.9	2.6	sun
## 558	2013-07-11	0.0	22.8	12.2	3.0	sun
## 559	2013-07-12	0.0	19.4	13.3	2.2	sun
## 560	2013-07-13	0.0	26.1	11.1	3.1	sun
## 561	2013-07-14	0.0	27.8	12.8	3.0	sun
## 562	2013-07-15	0.0	27.8	14.4	4.6	sun
## 563	2013-07-16	0.0	31.1	18.3	4.1	sun
## 564	2013-07-17	0.0	22.2	15.0	3.7	sun
## 565	2013-07-18	0.0	26.1	13.9	2.0	sun
## 566	2013-07-19	0.0	27.8	13.3	1.9	sun
## 567	2013-07-20	0.0	25.0	13.3	2.0	sun
## 568	2013-07-21	0.0	23.9	12.8	2.3	sun
## 569	2013-07-22	0.0	26.1	13.3	2.4	fog
## 570	2013-07-23	0.0	31.1	13.9	3.0	sun
## 571	2013-07-24	0.0	31.1	14.4	2.5	sun
## 572	2013-07-25	0.0	31.1	12.8	2.3	sun
## 573	2013-07-26	0.0	31.1	14.4	2.9	sun
## 574	2013-07-27	0.0	25.6	12.8	2.6	sun
## 575	2013-07-28	0.0	21.1	12.2	3.4	fog
## 576	2013-07-29	0.0	25.0	13.3	1.4	sun
## 577	2013-07-30	0.0	25.0	13.3	2.8	sun
## 578	2013-07-31	0.0	21.7	13.3	1.8	sun
## 579	2013-08-01	0.0	20.6	13.3	3.9	sun
## 580	2013-08-02	2.0	17.2	15.0	2.0	rain
## 581	2013-08-03	0.0	25.0	15.6	2.4	fog
## 582	2013-08-04	0.0	28.9	15.0	3.4	sun
## 583	2013-08-05	0.0	30.0	15.0	2.1	sun
## 584	2013-08-06	0.0	30.6	13.9	1.4	sun
## 585	2013-08-07	0.0	31.1	13.9	1.9	sun
## 586	2013-08-08	0.0	28.3	14.4	2.5	sun
## 587	2013-08-09	0.0	28.3	14.4	2.1	sun
## 588	2013-08-10	2.3	25.6	15.0	2.9	rain
## 589	2013-08-11	0.0	25.0	14.4	2.9	sun
## 590	2013-08-12	0.0	25.6	16.1	1.9	sun
## 591	2013-08-13	0.0	27.8	15.0	1.8	sun
## 592	2013-08-14	0.8	27.2	15.0	2.0	rain
## 593	2013-08-15	1.8	21.1	17.2	1.0	rain
## 594	2013-08-16	0.0	28.9	16.1	2.2	fog
## 595	2013-08-17	0.0	25.6	17.2	3.0	sun
## 596	2013-08-18	0.0	26.1	15.6	3.1	sun
## 597	2013-08-19	0.0	26.7	15.6	3.0	sun
## 598	2013-08-20	0.0	25.6	16.1	4.6	sun
## 599	2013-08-21	0.0	27.8	15.0	4.3	sun
## 600	2013-08-22	0.0	28.9	15.0	1.9	sun
## 601	2013-08-23	0.0	25.0	16.1	4.1	sun
## 602	2013-08-24	0.0	25.0	16.7	2.7	sun
## 603	2013-08-25	0.3	22.2	16.1	2.6	rain
## 604	2013-08-26	1.0	24.4	16.1	1.9	rain
## 605	2013-08-27	1.3	26.7	17.2	1.4	rain
## 606	2013-08-28	5.6	26.7	15.6	1.3	rain
## 607	2013-08-29	19.3	23.9	18.3	3.0	rain
## 608	2013-08-30	0.0	26.1	16.1	2.9	sun
## 609	2013-08-31	0.0	27.8	13.9	2.6	sun
## 610	2013-09-01	0.0	27.8	15.6	2.5	sun
## 611	2013-09-02	0.0	27.8	17.2	2.1	sun
## 612	2013-09-03	2.3	25.0	16.7	1.7	rain
## 613	2013-09-04	0.3	22.8	16.1	2.4	rain

## 614	2013-09-05	27.7	20.0	15.6	2.5	rain
## 615	2013-09-06	21.3	21.7	16.1	2.6	rain
## 616	2013-09-07	0.0	23.3	17.2	2.0	sun
## 617	2013-09-08	0.0	26.7	14.4	1.5	fog
## 618	2013-09-09	0.0	26.1	13.9	2.1	sun
## 619	2013-09-10	0.0	26.7	15.0	3.7	sun
## 620	2013-09-11	0.0	33.9	16.1	2.4	sun
## 621	2013-09-12	0.0	25.6	15.0	1.7	sun
## 622	2013-09-13	0.0	18.9	15.6	2.0	sun
## 623	2013-09-14	0.0	21.7	15.6	1.4	fog
## 624	2013-09-15	3.3	18.9	14.4	2.2	rain
## 625	2013-09-16	0.3	21.7	15.0	4.3	rain
## 626	2013-09-17	0.0	17.8	13.9	2.3	sun
## 627	2013-09-18	0.0	21.1	13.3	2.5	sun
## 628	2013-09-19	0.0	25.6	10.0	1.5	sun
## 629	2013-09-20	3.6	23.3	13.3	3.0	rain
## 630	2013-09-21	0.0	21.1	13.3	2.5	sun
## 631	2013-09-22	13.5	17.2	13.3	5.5	rain
## 632	2013-09-23	2.8	16.1	11.1	4.5	rain
## 633	2013-09-24	0.0	17.8	10.0	2.6	sun
## 634	2013-09-25	2.0	16.1	9.4	3.0	rain
## 635	2013-09-26	0.0	17.2	7.2	2.2	sun
## 636	2013-09-27	1.0	13.9	10.6	4.3	rain
## 637	2013-09-28	43.4	16.7	11.7	6.0	rain
## 638	2013-09-29	16.8	14.4	11.1	7.1	rain
## 639	2013-09-30	18.5	13.9	10.0	6.3	rain
## 640	2013-10-01	7.9	14.4	8.9	4.7	rain
## 641	2013-10-02	5.3	12.8	9.4	2.4	rain
## 642	2013-10-03	0.8	14.4	8.9	0.9	rain
## 643	2013-10-04	0.0	17.8	5.6	1.1	sun
## 644	2013-10-05	0.0	20.0	8.3	1.6	sun
## 645	2013-10-06	4.1	22.8	7.8	2.6	rain
## 646	2013-10-07	0.5	16.1	11.7	6.3	rain
## 647	2013-10-08	6.9	13.9	7.8	3.0	rain
## 648	2013-10-09	0.0	15.0	5.6	1.6	sun
## 649	2013-10-10	1.0	14.4	8.3	1.7	rain
## 650	2013-10-11	9.1	13.9	10.6	1.0	rain
## 651	2013-10-12	1.0	14.4	8.9	2.2	rain
## 652	2013-10-13	0.0	15.0	6.7	1.8	fog
## 653	2013-10-14	0.0	15.6	3.9	1.6	sun
## 654	2013-10-15	0.0	15.6	5.0	0.9	sun
## 655	2013-10-16	0.0	12.8	8.9	2.7	fog
## 656	2013-10-17	0.0	14.4	8.9	1.7	fog
## 657	2013-10-18	0.0	12.8	7.2	1.2	sun
## 658	2013-10-19	0.0	10.6	7.8	1.4	sun
## 659	2013-10-20	0.0	10.6	7.8	2.4	sun
## 660	2013-10-21	0.0	11.7	8.3	2.5	sun
## 661	2013-10-22	0.0	14.4	7.2	1.9	sun
## 662	2013-10-23	0.0	12.8	6.1	0.4	sun
## 663	2013-10-24	0.0	10.0	6.1	0.6	sun
## 664	2013-10-25	0.0	12.2	7.8	1.8	sun
## 665	2013-10-26	0.0	11.7	8.3	2.7	sun
## 666	2013-10-27	1.8	13.9	8.3	4.4	rain
## 667	2013-10-28	0.0	14.4	7.2	5.1	sun
## 668	2013-10-29	0.0	13.3	3.3	2.2	sun
## 669	2013-10-30	0.5	15.0	5.6	3.9	rain
## 670	2013-10-31	0.3	14.4	10.6	2.2	rain
## 671	2013-11-01	1.3	17.8	11.7	1.4	rain

## 672	2013-11-02	12.7	14.4	8.3	7.9	rain
## 673	2013-11-03	0.5	12.2	4.4	2.4	rain
## 674	2013-11-04	0.0	10.6	3.9	1.6	drizzle
## 675	2013-11-05	2.5	13.3	7.2	3.1	rain
## 676	2013-11-06	3.8	12.8	7.8	1.7	rain
## 677	2013-11-07	30.0	11.1	10.0	7.2	rain
## 678	2013-11-08	0.0	13.3	7.2	4.1	sun
## 679	2013-11-09	1.8	11.1	5.0	1.4	rain
## 680	2013-11-10	0.0	11.1	8.3	4.4	sun
## 681	2013-11-11	0.0	16.1	6.1	2.6	fog
## 682	2013-11-12	4.1	15.6	8.9	2.2	rain
## 683	2013-11-13	0.0	13.9	10.6	3.8	sun
## 684	2013-11-14	1.3	11.1	6.1	1.1	rain
## 685	2013-11-15	3.0	10.6	7.2	6.0	rain
## 686	2013-11-16	0.0	10.0	5.0	4.6	sun
## 687	2013-11-17	5.3	11.7	7.2	5.4	rain
## 688	2013-11-18	26.2	12.8	9.4	3.9	rain
## 689	2013-11-19	1.0	13.3	4.4	5.1	rain
## 690	2013-11-20	0.0	7.8	1.7	4.3	sun
## 691	2013-11-21	0.0	7.8	-0.5	3.6	sun
## 692	2013-11-22	0.0	9.4	0.0	4.6	sun
## 693	2013-11-23	0.0	11.1	1.1	2.6	sun
## 694	2013-11-24	0.0	11.7	0.6	0.9	fog
## 695	2013-11-25	0.0	12.2	2.2	0.5	sun
## 696	2013-11-26	0.0	12.2	2.8	1.0	sun
## 697	2013-11-27	0.0	14.4	5.6	1.3	sun
## 698	2013-11-28	0.0	11.7	3.3	0.7	sun
## 699	2013-11-29	0.5	9.4	5.0	2.1	rain
## 700	2013-11-30	2.3	11.1	7.2	3.9	rain
## 701	2013-12-01	3.0	13.3	7.8	8.8	rain
## 702	2013-12-02	4.6	7.8	1.7	3.5	rain
## 703	2013-12-03	0.0	5.0	-0.5	5.6	sun
## 704	2013-12-04	0.0	4.4	-2.1	1.6	sun
## 705	2013-12-05	0.0	1.1	-4.9	2.6	sun
## 706	2013-12-06	0.0	1.1	-4.3	4.7	sun
## 707	2013-12-07	0.0	0.0	-7.1	3.1	sun
## 708	2013-12-08	0.0	2.2	-6.6	2.2	sun
## 709	2013-12-09	0.0	1.1	-4.9	1.3	sun
## 710	2013-12-10	0.0	5.6	0.6	1.5	sun
## 711	2013-12-11	0.0	5.0	-1.6	0.8	sun
## 712	2013-12-12	6.9	5.6	-0.5	2.3	rain
## 713	2013-12-13	0.5	9.4	5.6	2.9	rain
## 714	2013-12-14	0.0	9.4	6.1	3.7	sun
## 715	2013-12-15	1.3	11.7	8.3	3.9	rain
## 716	2013-12-16	0.3	10.0	4.4	1.0	rain
## 717	2013-12-17	0.0	8.3	4.4	2.7	sun
## 718	2013-12-18	1.3	7.8	2.2	2.8	rain
## 719	2013-12-19	0.0	5.0	0.0	2.1	sun
## 720	2013-12-20	5.6	8.3	0.6	3.7	snow
## 721	2013-12-21	5.6	8.9	5.6	2.3	rain
## 722	2013-12-22	10.7	10.6	8.3	4.0	rain
## 723	2013-12-23	1.5	11.7	6.1	5.9	rain
## 724	2013-12-24	0.0	8.3	2.8	1.7	sun
## 725	2013-12-25	0.0	6.7	1.7	0.8	sun
## 726	2013-12-26	0.0	6.7	0.6	0.5	sun
## 727	2013-12-27	0.3	8.9	0.0	2.1	rain
## 728	2013-12-28	0.0	9.4	3.3	1.3	sun
## 729	2013-12-29	0.0	7.2	1.7	1.1	sun

## 730	2013-12-30	0.3	8.9	4.4	2.6	rain
## 731	2013-12-31	0.5	8.3	5.0	1.7	rain
## 732	2014-01-01	0.0	7.2	3.3	1.2	sun
## 733	2014-01-02	4.1	10.6	6.1	3.2	rain
## 734	2014-01-03	1.5	8.9	2.8	2.6	rain
## 735	2014-01-04	0.0	7.8	0.6	2.7	fog
## 736	2014-01-05	0.0	8.3	-0.5	3.7	sun
## 737	2014-01-06	0.3	7.8	-0.5	2.6	rain
## 738	2014-01-07	12.2	8.3	5.0	1.6	rain
## 739	2014-01-08	9.7	10.0	7.2	4.6	rain
## 740	2014-01-09	5.8	9.4	5.6	6.3	rain
## 741	2014-01-10	4.3	12.8	8.3	7.0	rain
## 742	2014-01-11	21.3	14.4	7.2	8.8	rain
## 743	2014-01-12	1.5	11.1	5.6	8.1	rain
## 744	2014-01-13	0.0	10.6	10.0	7.1	sun
## 745	2014-01-14	0.0	11.1	7.2	1.3	sun
## 746	2014-01-15	0.0	11.1	5.6	2.5	sun
## 747	2014-01-16	0.0	6.7	4.4	2.7	sun
## 748	2014-01-17	0.0	5.6	2.8	2.3	sun
## 749	2014-01-18	0.0	9.4	0.6	2.2	sun
## 750	2014-01-19	0.0	6.1	3.3	2.5	sun
## 751	2014-01-20	0.0	10.0	2.8	2.2	sun
## 752	2014-01-21	0.0	10.0	1.7	1.5	sun
## 753	2014-01-22	0.5	9.4	5.6	2.6	rain
## 754	2014-01-23	0.0	10.0	2.8	5.2	fog
## 755	2014-01-24	0.0	12.8	1.1	1.9	sun
## 756	2014-01-25	0.0	12.2	1.1	0.8	sun
## 757	2014-01-26	0.0	8.3	0.6	1.3	sun
## 758	2014-01-27	0.0	9.4	1.7	1.3	sun
## 759	2014-01-28	8.9	11.1	6.1	1.6	rain
## 760	2014-01-29	21.6	11.1	7.2	3.4	rain
## 761	2014-01-30	0.0	8.3	6.1	6.4	sun
## 762	2014-01-31	2.3	7.8	5.6	2.6	rain
## 763	2014-02-01	2.0	7.8	2.8	0.8	rain
## 764	2014-02-02	0.0	8.9	1.1	2.5	sun
## 765	2014-02-03	0.0	5.0	0.0	4.3	sun
## 766	2014-02-04	0.0	2.8	-2.1	4.7	sun
## 767	2014-02-05	0.0	-0.5	-5.5	6.6	sun
## 768	2014-02-06	0.0	-1.6	-6.0	4.5	sun
## 769	2014-02-07	0.0	3.3	-4.9	4.2	sun
## 770	2014-02-08	5.1	5.6	-0.5	4.6	snow
## 771	2014-02-09	0.5	3.9	0.0	2.4	rain
## 772	2014-02-10	18.3	10.0	2.2	4.7	rain
## 773	2014-02-11	17.0	12.2	5.6	3.8	rain
## 774	2014-02-12	4.6	12.2	7.2	6.4	rain
## 775	2014-02-13	1.8	12.8	7.8	6.3	rain
## 776	2014-02-14	9.4	11.7	6.1	6.4	rain
## 777	2014-02-15	11.7	11.1	5.0	5.1	rain
## 778	2014-02-16	26.4	9.4	3.9	7.9	rain
## 779	2014-02-17	14.5	8.3	4.4	5.5	rain
## 780	2014-02-18	15.2	8.9	5.0	6.2	rain
## 781	2014-02-19	1.0	8.3	3.9	6.0	rain
## 782	2014-02-20	3.0	10.0	5.6	6.9	rain
## 783	2014-02-21	2.8	6.7	3.9	2.9	rain
## 784	2014-02-22	2.5	5.6	2.8	3.1	rain
## 785	2014-02-23	6.1	7.2	3.9	2.6	rain
## 786	2014-02-24	13.0	6.7	3.3	3.2	rain
## 787	2014-02-25	0.3	12.2	3.9	4.5	rain

## 788	2014-02-26	0.0	13.9	5.6	2.5	sun
## 789	2014-02-27	0.0	12.8	4.4	2.3	sun
## 790	2014-02-28	0.0	14.4	4.4	5.9	sun
## 791	2014-03-01	0.5	7.2	4.4	4.7	rain
## 792	2014-03-02	19.1	11.1	2.8	5.7	rain
## 793	2014-03-03	10.7	14.4	8.9	5.1	rain
## 794	2014-03-04	16.5	13.9	7.8	3.9	rain
## 795	2014-03-05	46.7	15.6	10.6	3.9	rain
## 796	2014-03-06	3.0	13.3	10.0	6.2	rain
## 797	2014-03-07	0.0	15.6	8.9	4.2	sun
## 798	2014-03-08	32.3	12.8	6.7	2.7	rain
## 799	2014-03-09	4.3	15.0	9.4	4.3	rain
## 800	2014-03-10	18.8	12.2	6.1	2.2	rain
## 801	2014-03-11	0.0	14.4	4.4	2.3	fog
## 802	2014-03-12	0.0	16.1	3.3	1.9	fog
## 803	2014-03-13	0.5	13.9	5.0	2.5	rain
## 804	2014-03-14	6.9	14.4	8.3	6.1	rain
## 805	2014-03-15	8.1	16.7	4.4	3.0	rain
## 806	2014-03-16	27.7	10.6	4.4	3.8	rain
## 807	2014-03-17	0.3	10.0	2.8	3.2	rain
## 808	2014-03-18	0.0	10.0	3.3	1.6	sun
## 809	2014-03-19	0.5	11.1	3.3	5.1	rain
## 810	2014-03-20	0.0	11.1	1.7	3.0	sun
## 811	2014-03-21	0.0	10.6	2.8	3.8	sun
## 812	2014-03-22	0.0	11.1	1.1	1.8	sun
## 813	2014-03-23	0.0	12.8	4.4	3.3	sun
## 814	2014-03-24	0.0	18.9	2.8	2.2	sun
## 815	2014-03-25	4.1	13.9	6.7	4.4	rain
## 816	2014-03-26	3.6	11.1	5.6	2.4	rain
## 817	2014-03-27	0.3	12.2	6.7	2.8	rain
## 818	2014-03-28	22.1	11.7	7.2	3.9	rain
## 819	2014-03-29	14.0	11.7	7.2	5.1	rain
## 820	2014-03-30	0.0	11.1	5.0	5.1	sun
## 821	2014-03-31	0.0	15.6	2.2	3.8	sun
## 822	2014-04-01	0.0	14.4	6.7	2.8	sun
## 823	2014-04-02	0.0	14.4	5.6	4.2	sun
## 824	2014-04-03	2.5	13.3	6.1	3.9	rain
## 825	2014-04-04	0.0	12.8	6.1	4.7	sun
## 826	2014-04-05	4.6	11.7	7.8	4.3	rain
## 827	2014-04-06	0.0	13.9	8.3	2.6	sun
## 828	2014-04-07	0.0	21.1	9.4	2.5	sun
## 829	2014-04-08	4.6	15.6	8.3	4.2	rain
## 830	2014-04-09	0.0	14.4	6.7	2.9	sun
## 831	2014-04-10	0.0	15.0	6.7	3.6	sun
## 832	2014-04-11	0.0	17.2	5.0	2.8	sun
## 833	2014-04-12	0.0	16.1	7.8	4.4	sun
## 834	2014-04-13	0.0	20.6	5.6	3.1	sun
## 835	2014-04-14	0.0	20.0	5.6	2.6	sun
## 836	2014-04-15	0.5	14.4	7.8	4.0	rain
## 837	2014-04-16	10.9	11.1	8.9	4.6	rain
## 838	2014-04-17	18.5	11.7	7.2	4.7	rain
## 839	2014-04-18	0.0	14.4	5.6	3.8	sun
## 840	2014-04-19	13.7	11.7	5.6	4.7	rain
## 841	2014-04-20	0.0	15.6	5.6	2.7	sun
## 842	2014-04-21	5.1	17.2	7.8	2.5	rain
## 843	2014-04-22	14.2	12.2	5.0	4.2	rain
## 844	2014-04-23	8.9	11.7	6.1	5.0	rain
## 845	2014-04-24	12.4	13.9	6.1	5.3	rain



## 846	2014-04-25	0.0	14.4	5.6	2.3	sun
## 847	2014-04-26	3.3	15.0	5.6	3.9	rain
## 848	2014-04-27	6.9	11.1	6.1	5.8	rain
## 849	2014-04-28	0.0	16.1	4.4	2.6	sun
## 850	2014-04-29	0.0	25.0	9.4	2.3	sun
## 851	2014-04-30	0.0	27.8	9.4	3.9	sun
## 852	2014-05-01	0.0	29.4	11.1	3.0	sun
## 853	2014-05-02	0.0	18.3	10.6	4.7	sun
## 854	2014-05-03	33.3	15.0	8.9	3.4	rain
## 855	2014-05-04	16.0	14.4	8.9	4.2	rain
## 856	2014-05-05	5.1	15.6	9.4	3.8	rain
## 857	2014-05-06	0.0	16.7	8.3	2.6	sun
## 858	2014-05-07	0.0	18.3	7.2	1.7	sun
## 859	2014-05-08	13.7	13.9	9.4	3.4	rain
## 860	2014-05-09	2.0	13.3	7.2	5.6	rain
## 861	2014-05-10	0.5	15.6	7.2	2.1	rain
## 862	2014-05-11	0.0	18.9	8.3	1.7	sun
## 863	2014-05-12	0.0	24.4	9.4	2.7	sun
## 864	2014-05-13	0.0	26.7	12.8	3.8	sun
## 865	2014-05-14	0.0	27.8	13.3	3.3	sun
## 866	2014-05-15	0.0	26.7	12.8	3.0	sun
## 867	2014-05-16	0.0	20.0	11.7	4.1	sun
## 868	2014-05-17	0.0	20.0	11.7	3.2	sun
## 869	2014-05-18	0.0	20.0	10.6	3.2	sun
## 870	2014-05-19	0.0	21.1	10.0	2.2	sun
## 871	2014-05-20	0.0	22.2	10.0	2.7	sun
## 872	2014-05-21	0.0	20.0	10.6	1.7	sun
## 873	2014-05-22	0.0	24.4	11.7	2.5	sun
## 874	2014-05-23	3.8	20.0	12.8	4.0	rain
## 875	2014-05-24	0.0	18.3	11.1	2.4	sun
## 876	2014-05-25	5.6	15.0	10.6	1.4	rain
## 877	2014-05-26	0.0	18.3	11.1	4.5	sun
## 878	2014-05-27	0.0	20.0	10.0	2.5	sun
## 879	2014-05-28	0.0	18.9	10.0	3.4	sun
## 880	2014-05-29	0.0	18.9	11.1	4.3	sun
## 881	2014-05-30	0.0	20.6	8.9	4.5	sun
## 882	2014-05-31	0.0	23.3	10.0	2.2	sun
## 883	2014-06-01	0.0	22.2	10.6	2.3	sun
## 884	2014-06-02	0.0	23.3	11.1	2.4	sun
## 885	2014-06-03	0.0	18.3	11.1	3.2	sun
## 886	2014-06-04	0.0	19.4	10.0	2.6	sun
## 887	2014-06-05	0.0	22.2	10.0	2.4	sun
## 888	2014-06-06	0.0	25.0	10.6	3.2	sun
## 889	2014-06-07	0.0	24.4	13.3	3.1	sun
## 890	2014-06-08	0.0	23.3	12.2	2.1	sun
## 891	2014-06-09	0.0	21.1	13.3	3.6	sun
## 892	2014-06-10	0.0	20.0	12.2	2.9	sun
## 893	2014-06-11	0.0	23.9	11.1	2.7	sun
## 894	2014-06-12	1.8	21.7	12.2	4.0	rain
## 895	2014-06-13	6.4	15.6	11.1	5.0	rain
## 896	2014-06-14	0.0	17.8	11.7	3.2	sun
## 897	2014-06-15	0.5	18.3	10.0	3.6	rain
## 898	2014-06-16	3.6	17.8	8.9	2.4	rain
## 899	2014-06-17	1.3	17.8	10.0	3.0	rain
## 900	2014-06-18	0.0	18.9	11.1	2.7	sun
## 901	2014-06-19	0.8	25.6	11.7	3.7	rain
## 902	2014-06-20	0.3	20.0	10.0	3.4	rain
## 903	2014-06-21	0.0	22.2	10.6	3.6	sun

## 904	2014-06-22	0.0	25.0	11.1	2.7	sun
## 905	2014-06-23	0.0	25.0	13.3	2.5	sun
## 906	2014-06-24	0.0	24.4	14.4	2.5	sun
## 907	2014-06-25	0.0	26.1	13.9	2.4	sun
## 908	2014-06-26	0.0	21.1	14.4	4.1	sun
## 909	2014-06-27	1.8	21.1	13.9	4.5	rain
## 910	2014-06-28	2.3	20.0	13.3	4.3	rain
## 911	2014-06-29	0.0	20.6	12.8	3.2	sun
## 912	2014-06-30	0.0	25.6	12.8	4.4	sun
## 913	2014-07-01	0.0	34.4	15.6	3.5	sun
## 914	2014-07-02	0.0	27.2	14.4	3.6	sun
## 915	2014-07-03	0.0	21.7	13.9	3.1	sun
## 916	2014-07-04	0.0	23.9	13.9	3.6	sun
## 917	2014-07-05	0.0	24.4	13.3	2.2	fog
## 918	2014-07-06	0.0	28.9	15.0	3.0	sun
## 919	2014-07-07	0.0	27.2	17.8	4.1	fog
## 920	2014-07-08	0.0	30.0	15.6	3.5	sun
## 921	2014-07-09	0.0	26.7	13.9	2.3	sun
## 922	2014-07-10	0.0	28.9	12.8	2.2	fog
## 923	2014-07-11	0.0	31.1	15.0	2.2	sun
## 924	2014-07-12	0.0	32.2	16.7	2.2	sun
## 925	2014-07-13	0.0	29.4	15.0	2.6	sun
## 926	2014-07-14	0.0	27.8	15.0	2.8	sun
## 927	2014-07-15	0.0	31.1	13.9	2.3	sun
## 928	2014-07-16	0.0	31.1	14.4	2.4	sun
## 929	2014-07-17	0.0	26.7	13.9	3.7	sun
## 930	2014-07-18	0.0	23.9	11.7	2.8	sun
## 931	2014-07-19	0.0	25.6	15.0	5.4	fog
## 932	2014-07-20	0.0	19.4	14.4	2.8	sun
## 933	2014-07-21	0.0	23.9	13.3	2.2	sun
## 934	2014-07-22	0.3	21.1	13.3	1.1	rain
## 935	2014-07-23	19.3	18.9	13.3	3.3	rain
## 936	2014-07-24	0.0	20.6	12.8	4.7	sun
## 937	2014-07-25	0.0	22.8	12.2	2.7	sun
## 938	2014-07-26	0.0	26.1	13.3	3.6	sun
## 939	2014-07-27	0.0	28.3	15.0	4.1	sun
## 940	2014-07-28	0.0	30.6	15.0	3.7	sun
## 941	2014-07-29	0.0	30.0	15.6	2.8	sun
## 942	2014-07-30	0.0	29.4	14.4	3.4	sun
## 943	2014-07-31	0.0	30.6	17.8	4.1	sun
## 944	2014-08-01	0.0	28.9	15.0	3.3	sun
## 945	2014-08-02	0.5	29.4	15.6	1.7	rain
## 946	2014-08-03	0.0	31.7	14.4	2.6	sun
## 947	2014-08-04	0.0	32.8	16.1	2.6	sun
## 948	2014-08-05	0.0	25.0	13.9	2.7	sun
## 949	2014-08-06	0.0	26.1	15.0	2.2	fog
## 950	2014-08-07	0.0	25.6	13.3	2.4	fog
## 951	2014-08-08	0.0	25.6	13.3	2.9	sun
## 952	2014-08-09	0.0	27.2	15.6	4.1	sun
## 953	2014-08-10	0.0	30.6	13.9	3.4	sun
## 954	2014-08-11	0.5	35.6	17.8	2.6	rain
## 955	2014-08-12	12.7	27.2	17.2	3.1	rain
## 956	2014-08-13	21.6	23.3	15.0	2.7	rain
## 957	2014-08-14	0.0	21.1	17.2	0.6	sun
## 958	2014-08-15	1.0	24.4	16.7	1.5	rain
## 959	2014-08-16	0.0	25.6	15.6	2.2	sun
## 960	2014-08-17	0.0	27.8	15.0	2.8	sun
## 961	2014-08-18	0.0	29.4	15.6	3.3	sun

## 962	2014-08-19	0.0	27.2	15.6	2.4	sun
## 963	2014-08-20	0.0	21.7	13.9	3.6	sun
## 964	2014-08-21	0.0	21.1	11.1	1.7	sun
## 965	2014-08-22	0.0	23.9	13.3	2.9	sun
## 966	2014-08-23	0.0	27.8	13.9	2.0	sun
## 967	2014-08-24	0.0	25.0	13.3	2.3	sun
## 968	2014-08-25	0.0	28.9	14.4	2.0	sun
## 969	2014-08-26	0.0	31.1	15.6	1.8	sun
## 970	2014-08-27	0.0	28.9	16.1	1.6	sun
## 971	2014-08-28	0.0	23.3	14.4	2.3	sun
## 972	2014-08-29	0.0	22.8	15.0	3.4	sun
## 973	2014-08-30	8.4	17.8	15.0	2.2	rain
## 974	2014-08-31	1.3	21.1	13.9	1.9	rain
## 975	2014-09-01	0.0	23.3	12.8	2.5	sun
## 976	2014-09-02	3.0	20.0	13.9	4.3	rain
## 977	2014-09-03	0.0	20.6	12.8	2.7	sun
## 978	2014-09-04	0.0	23.9	11.1	3.1	fog
## 979	2014-09-05	0.0	27.8	13.9	6.5	fog
## 980	2014-09-06	0.0	32.2	15.0	2.9	sun
## 981	2014-09-07	0.0	28.3	13.3	2.1	sun
## 982	2014-09-08	0.0	21.1	13.3	2.8	sun
## 983	2014-09-09	0.0	21.7	13.3	2.3	sun
## 984	2014-09-10	0.0	22.2	12.2	3.9	sun
## 985	2014-09-11	0.0	24.4	12.8	5.3	sun
## 986	2014-09-12	0.0	24.4	12.8	5.9	sun
## 987	2014-09-13	0.0	28.3	10.0	4.2	sun
## 988	2014-09-14	0.0	30.0	11.7	1.8	sun
## 989	2014-09-15	0.0	30.6	12.2	1.2	sun
## 990	2014-09-16	0.0	22.2	13.9	2.8	sun
## 991	2014-09-17	0.5	22.8	14.4	2.3	rain
## 992	2014-09-18	0.3	19.4	15.0	3.1	rain
## 993	2014-09-19	0.0	23.9	16.1	2.8	sun
## 994	2014-09-20	0.0	24.4	14.4	4.4	fog
## 995	2014-09-21	0.0	26.1	12.8	3.0	sun
## 996	2014-09-22	0.3	22.2	15.0	2.1	rain
## 997	2014-09-23	18.3	18.9	14.4	2.5	rain
## 998	2014-09-24	20.3	18.9	14.4	2.7	rain
## 999	2014-09-25	4.3	21.7	14.4	2.5	rain
## 1000	2014-09-26	8.9	20.0	13.9	3.3	rain
## 1001	2014-09-27	0.0	20.6	11.7	3.2	fog
## 1002	2014-09-28	0.0	18.9	12.2	2.0	fog
## 1003	2014-09-29	0.8	16.7	11.1	3.5	rain
## 1004	2014-09-30	0.0	19.4	12.2	2.6	sun
## 1005	2014-10-01	0.0	18.3	11.1	2.1	sun
## 1006	2014-10-02	0.0	19.4	10.0	2.0	sun
## 1007	2014-10-03	0.0	22.2	8.9	1.0	sun
## 1008	2014-10-04	0.0	21.7	12.2	1.2	sun
## 1009	2014-10-05	0.0	23.9	11.7	1.4	fog
## 1010	2014-10-06	0.0	25.6	13.3	2.5	fog
## 1011	2014-10-07	0.0	18.9	13.9	1.0	fog
## 1012	2014-10-08	0.0	20.6	12.8	1.8	fog
## 1013	2014-10-09	0.0	17.2	11.1	1.0	fog
## 1014	2014-10-10	0.3	18.3	10.0	3.8	rain
## 1015	2014-10-11	7.4	18.3	11.7	3.5	rain
## 1016	2014-10-12	0.0	17.8	11.7	2.1	sun
## 1017	2014-10-13	7.6	21.1	10.0	3.1	rain
## 1018	2014-10-14	7.1	16.7	11.7	2.2	rain
## 1019	2014-10-15	8.6	16.1	11.7	4.7	rain

## 1020 2014-10-16	0.0	20.6	11.1	3.3	sun
## 1021 2014-10-17	3.3	16.7	11.7	3.0	rain
## 1022 2014-10-18	15.0	19.4	13.9	1.9	rain
## 1023 2014-10-19	0.0	22.2	12.8	3.2	sun
## 1024 2014-10-20	11.7	16.1	12.2	3.1	rain
## 1025 2014-10-21	1.0	16.1	11.7	4.7	rain
## 1026 2014-10-22	32.0	15.6	11.7	5.0	rain
## 1027 2014-10-23	9.4	14.4	8.3	4.6	rain
## 1028 2014-10-24	4.1	14.4	8.9	3.2	rain
## 1029 2014-10-25	6.1	16.7	8.3	5.4	rain
## 1030 2014-10-26	1.5	12.8	7.8	5.0	rain
## 1031 2014-10-27	0.8	15.6	6.7	2.4	rain
## 1032 2014-10-28	12.7	15.0	9.4	3.9	rain
## 1033 2014-10-29	0.5	16.7	11.7	3.1	rain
## 1034 2014-10-30	25.4	15.6	11.1	3.2	rain
## 1035 2014-10-31	17.0	12.8	8.3	2.0	rain
## 1036 2014-11-01	0.0	11.1	7.2	1.2	fog
## 1037 2014-11-02	1.8	13.3	7.2	2.9	rain
## 1038 2014-11-03	10.9	13.9	11.1	4.8	rain
## 1039 2014-11-04	4.1	14.4	10.6	3.3	rain
## 1040 2014-11-05	4.8	15.0	10.6	2.1	rain
## 1041 2014-11-06	4.1	16.7	10.6	6.7	rain
## 1042 2014-11-07	0.0	14.4	7.2	2.3	sun
## 1043 2014-11-08	0.0	12.8	3.9	0.8	fog
## 1044 2014-11-09	5.1	13.3	7.8	3.0	rain
## 1045 2014-11-10	0.0	11.1	5.6	3.9	sun
## 1046 2014-11-11	0.0	7.8	1.1	7.7	sun
## 1047 2014-11-12	0.0	6.7	0.0	7.6	sun
## 1048 2014-11-13	0.0	7.2	0.6	4.7	sun
## 1049 2014-11-14	0.0	7.2	-2.1	4.5	sun
## 1050 2014-11-15	0.0	8.3	-1.6	4.2	sun
## 1051 2014-11-16	0.0	9.4	-2.1	4.2	sun
## 1052 2014-11-17	0.0	10.6	-2.1	1.9	sun
## 1053 2014-11-18	0.0	7.2	-0.5	0.9	sun
## 1054 2014-11-19	0.0	11.1	2.2	1.9	sun
## 1055 2014-11-20	3.6	11.1	5.6	2.1	rain
## 1056 2014-11-21	15.2	11.1	8.3	4.7	rain
## 1057 2014-11-22	0.5	9.4	6.7	4.7	rain
## 1058 2014-11-23	11.9	12.8	5.6	5.1	rain
## 1059 2014-11-24	1.3	11.7	4.4	3.8	rain
## 1060 2014-11-25	18.3	13.9	9.4	4.5	rain
## 1061 2014-11-26	0.3	15.0	12.2	3.9	rain
## 1062 2014-11-27	3.3	14.4	11.7	6.6	rain
## 1063 2014-11-28	34.3	12.8	3.3	5.8	rain
## 1064 2014-11-29	3.6	4.4	-4.3	5.3	snow
## 1065 2014-11-30	0.0	2.8	-4.9	4.4	sun
## 1066 2014-12-01	0.0	4.4	-3.2	2.2	sun
## 1067 2014-12-02	0.0	5.6	-3.2	5.7	fog
## 1068 2014-12-03	0.0	10.0	0.0	3.6	sun
## 1069 2014-12-04	0.8	8.3	3.9	1.1	rain
## 1070 2014-12-05	3.0	12.8	6.7	3.1	rain
## 1071 2014-12-06	7.4	11.7	7.8	3.6	rain
## 1072 2014-12-07	0.0	14.4	6.1	2.8	sun
## 1073 2014-12-08	9.1	14.4	8.9	4.2	rain
## 1074 2014-12-09	9.9	16.1	10.6	5.1	rain
## 1075 2014-12-10	13.0	18.9	10.0	6.7	rain
## 1076 2014-12-11	6.9	14.4	8.3	6.4	rain
## 1077 2014-12-12	0.0	11.1	7.2	3.7	sun

## 1078 2014-12-13	0.0	10.0	3.9	1.1	fog
## 1079 2014-12-14	0.0	12.8	1.7	3.5	fog
## 1080 2014-12-15	0.0	12.2	6.7	5.9	sun
## 1081 2014-12-16	0.0	10.0	8.3	4.0	sun
## 1082 2014-12-17	2.8	8.9	6.1	1.6	rain
## 1083 2014-12-18	13.0	9.4	6.7	3.1	rain
## 1084 2014-12-19	3.0	11.1	7.2	4.3	rain
## 1085 2014-12-20	19.6	12.8	6.7	5.5	rain
## 1086 2014-12-21	0.0	12.8	10.0	5.2	sun
## 1087 2014-12-22	0.0	10.6	6.1	1.5	sun
## 1088 2014-12-23	20.6	12.2	5.0	3.8	rain
## 1089 2014-12-24	5.3	7.2	3.9	1.8	rain
## 1090 2014-12-25	0.0	7.8	2.8	2.2	fog
## 1091 2014-12-26	0.0	5.6	1.7	1.2	fog
## 1092 2014-12-27	3.3	9.4	4.4	4.9	rain
## 1093 2014-12-28	4.1	6.7	2.8	1.8	rain
## 1094 2014-12-29	0.0	6.1	0.6	4.3	fog
## 1095 2014-12-30	0.0	3.3	-2.1	3.6	sun
## 1096 2014-12-31	0.0	3.3	-2.7	3.0	sun
## 1097 2015-01-01	0.0	5.6	-3.2	1.2	sun
## 1098 2015-01-02	1.5	5.6	0.0	2.3	rain
## 1099 2015-01-03	0.0	5.0	1.7	1.7	fog
## 1100 2015-01-04	10.2	10.6	3.3	4.5	rain
## 1101 2015-01-05	8.1	12.2	9.4	6.4	rain
## 1102 2015-01-06	0.0	12.2	6.1	1.3	fog
## 1103 2015-01-07	0.0	7.8	5.6	1.6	fog
## 1104 2015-01-08	0.0	7.8	1.7	2.6	fog
## 1105 2015-01-09	0.3	10.0	3.3	0.6	rain
## 1106 2015-01-10	5.8	7.8	6.1	0.5	rain
## 1107 2015-01-11	1.5	9.4	7.2	1.1	rain
## 1108 2015-01-12	0.0	11.1	4.4	1.6	fog
## 1109 2015-01-13	0.0	9.4	2.8	2.7	fog
## 1110 2015-01-14	0.0	6.1	0.6	2.8	fog
## 1111 2015-01-15	9.7	7.8	1.1	3.2	rain
## 1112 2015-01-16	0.0	11.7	5.6	4.5	fog
## 1113 2015-01-17	26.2	13.3	3.3	2.8	rain
## 1114 2015-01-18	21.3	13.9	7.2	6.6	rain
## 1115 2015-01-19	0.5	10.0	6.1	2.8	rain
## 1116 2015-01-20	0.0	10.0	3.3	3.0	fog
## 1117 2015-01-21	0.0	7.2	-0.5	1.3	fog
## 1118 2015-01-22	0.8	9.4	6.1	1.3	rain
## 1119 2015-01-23	5.8	12.2	8.3	2.6	rain
## 1120 2015-01-24	0.5	14.4	11.1	3.3	rain
## 1121 2015-01-25	0.0	17.2	7.2	1.4	fog
## 1122 2015-01-26	0.0	16.1	6.1	2.2	fog
## 1123 2015-01-27	0.8	11.1	8.3	2.0	rain
## 1124 2015-01-28	0.0	12.2	5.0	1.8	fog
## 1125 2015-01-29	0.0	12.2	3.3	2.9	sun
## 1126 2015-01-30	0.0	8.3	1.1	0.8	fog
## 1127 2015-01-31	0.0	7.2	3.3	1.9	fog
## 1128 2015-02-01	1.5	9.4	4.4	2.6	rain
## 1129 2015-02-02	7.4	11.1	5.0	4.0	rain
## 1130 2015-02-03	1.3	10.0	5.6	1.9	rain
## 1131 2015-02-04	8.4	10.6	4.4	1.7	rain
## 1132 2015-02-05	26.2	13.3	8.3	4.6	rain
## 1133 2015-02-06	17.3	14.4	10.0	4.5	rain
## 1134 2015-02-07	23.6	12.2	9.4	4.6	rain
## 1135 2015-02-08	3.6	15.0	8.3	3.9	rain

## 1136 2015-02-09	6.1	13.3	8.3	2.5	rain
## 1137 2015-02-10	0.3	12.8	8.3	4.0	rain
## 1138 2015-02-11	0.0	12.8	5.6	1.0	fog
## 1139 2015-02-12	1.0	16.7	9.4	2.1	rain
## 1140 2015-02-13	0.0	15.6	6.7	1.7	fog
## 1141 2015-02-14	0.3	14.4	6.7	2.9	rain
## 1142 2015-02-15	0.0	12.2	3.9	4.8	sun
## 1143 2015-02-16	0.0	15.0	5.6	6.6	fog
## 1144 2015-02-17	0.0	16.1	4.4	4.0	sun
## 1145 2015-02-18	0.0	12.2	4.4	2.6	sun
## 1146 2015-02-19	4.6	10.6	8.3	2.2	rain
## 1147 2015-02-20	0.8	11.1	7.2	0.9	rain
## 1148 2015-02-21	0.0	12.2	5.6	4.5	sun
## 1149 2015-02-22	0.0	11.7	3.3	4.2	sun
## 1150 2015-02-23	0.0	12.8	0.6	1.4	sun
## 1151 2015-02-24	0.0	11.1	2.2	1.5	sun
## 1152 2015-02-25	4.1	10.0	6.7	1.0	rain
## 1153 2015-02-26	9.4	11.7	7.8	1.4	rain
## 1154 2015-02-27	18.3	10.0	6.7	4.0	rain
## 1155 2015-02-28	0.0	12.2	3.3	5.1	sun
## 1156 2015-03-01	0.0	11.1	1.1	2.2	sun
## 1157 2015-03-02	0.0	11.1	4.4	4.8	sun
## 1158 2015-03-03	0.0	10.6	0.0	2.1	sun
## 1159 2015-03-04	0.0	12.8	-0.5	1.8	sun
## 1160 2015-03-05	0.0	13.3	2.8	1.3	sun
## 1161 2015-03-06	0.0	15.0	3.3	1.4	sun
## 1162 2015-03-07	0.0	16.7	3.9	2.7	fog
## 1163 2015-03-08	0.0	17.2	3.9	1.7	fog
## 1164 2015-03-09	0.0	14.4	4.4	1.8	fog
## 1165 2015-03-10	0.8	13.3	5.0	2.6	rain
## 1166 2015-03-11	2.5	14.4	8.9	3.1	rain
## 1167 2015-03-12	0.0	17.8	9.4	3.2	sun
## 1168 2015-03-13	2.0	17.2	7.8	2.2	rain
## 1169 2015-03-14	17.0	13.9	9.4	3.8	rain
## 1170 2015-03-15	55.9	10.6	6.1	4.2	rain
## 1171 2015-03-16	1.0	13.9	6.1	3.0	rain
## 1172 2015-03-17	0.8	13.3	4.4	2.6	rain
## 1173 2015-03-18	0.0	15.6	7.2	2.5	sun
## 1174 2015-03-19	0.0	15.6	8.3	1.9	sun
## 1175 2015-03-20	4.1	13.9	8.9	1.9	rain
## 1176 2015-03-21	3.8	13.3	8.3	4.7	rain
## 1177 2015-03-22	1.0	11.7	6.1	2.3	rain
## 1178 2015-03-23	8.1	11.1	5.6	2.8	rain
## 1179 2015-03-24	7.6	12.8	6.1	3.9	rain
## 1180 2015-03-25	5.1	14.4	7.2	4.4	rain
## 1181 2015-03-26	0.0	20.6	10.0	2.2	sun
## 1182 2015-03-27	1.0	18.3	8.9	4.0	rain
## 1183 2015-03-28	0.0	15.6	9.4	5.7	sun
## 1184 2015-03-29	0.0	15.6	8.9	3.0	sun
## 1185 2015-03-30	1.8	17.8	10.6	2.9	rain
## 1186 2015-03-31	1.0	12.8	6.1	4.2	rain
## 1187 2015-04-01	5.1	12.8	5.6	3.2	rain
## 1188 2015-04-02	0.0	13.3	5.6	2.4	sun
## 1189 2015-04-03	1.5	11.1	5.0	3.6	rain
## 1190 2015-04-04	0.0	12.8	3.9	1.7	sun
## 1191 2015-04-05	0.0	16.7	2.8	2.4	sun
## 1192 2015-04-06	1.0	13.9	6.7	3.5	rain
## 1193 2015-04-07	0.5	14.4	6.7	3.9	rain

## 1194 2015-04-08	0.0	17.2	6.1	1.7	sun
## 1195 2015-04-09	0.0	17.2	6.1	2.3	sun
## 1196 2015-04-10	10.9	13.9	7.8	4.6	rain
## 1197 2015-04-11	0.0	11.7	5.6	6.5	sun
## 1198 2015-04-12	0.0	13.3	5.6	3.6	sun
## 1199 2015-04-13	14.0	11.7	3.9	3.6	rain
## 1200 2015-04-14	3.3	11.7	2.8	3.3	rain
## 1201 2015-04-15	0.0	13.9	3.3	2.4	sun
## 1202 2015-04-16	0.0	17.8	3.9	3.1	sun
## 1203 2015-04-17	0.0	18.9	6.1	3.6	sun
## 1204 2015-04-18	0.0	18.9	8.3	3.9	sun
## 1205 2015-04-19	0.0	21.1	8.3	3.6	sun
## 1206 2015-04-20	0.0	22.8	7.8	2.6	sun
## 1207 2015-04-21	5.6	17.2	6.7	3.4	rain
## 1208 2015-04-22	0.0	15.6	5.0	2.3	sun
## 1209 2015-04-23	3.0	12.2	6.7	4.1	rain
## 1210 2015-04-24	3.3	12.2	6.1	5.0	rain
## 1211 2015-04-25	1.3	13.3	5.6	3.0	rain
## 1212 2015-04-26	0.0	15.6	4.4	2.7	fog
## 1213 2015-04-27	0.3	25.0	10.6	2.3	rain
## 1214 2015-04-28	1.8	15.6	8.9	4.3	rain
## 1215 2015-04-29	0.0	16.1	7.2	4.7	sun
## 1216 2015-04-30	0.0	17.2	7.8	2.1	sun
## 1217 2015-05-01	0.0	18.3	8.9	3.7	sun
## 1218 2015-05-02	0.0	18.3	7.8	3.7	sun
## 1219 2015-05-03	0.0	20.6	7.8	2.6	sun
## 1220 2015-05-04	0.0	17.2	7.2	5.2	sun
## 1221 2015-05-05	6.1	14.4	7.2	5.1	rain
## 1222 2015-05-06	0.0	16.7	7.2	2.6	fog
## 1223 2015-05-07	0.0	20.6	6.1	3.0	sun
## 1224 2015-05-08	0.0	23.9	8.3	3.0	sun
## 1225 2015-05-09	0.0	26.7	9.4	2.6	sun
## 1226 2015-05-10	0.0	19.4	11.1	2.8	sun
## 1227 2015-05-11	0.0	13.9	10.0	2.5	fog
## 1228 2015-05-12	4.3	15.6	10.6	3.3	rain
## 1229 2015-05-13	4.1	12.2	10.0	2.8	rain
## 1230 2015-05-14	0.3	17.8	9.4	2.0	rain
## 1231 2015-05-15	0.0	20.0	9.4	2.8	fog
## 1232 2015-05-16	0.0	15.6	11.1	3.0	sun
## 1233 2015-05-17	0.0	19.4	10.6	2.1	sun
## 1234 2015-05-18	0.0	25.6	12.2	3.0	sun
## 1235 2015-05-19	0.0	21.7	11.7	2.6	sun
## 1236 2015-05-20	0.0	23.3	10.6	1.8	fog
## 1237 2015-05-21	0.0	25.6	11.7	2.1	sun
## 1238 2015-05-22	0.0	16.7	11.7	3.7	sun
## 1239 2015-05-23	0.0	16.1	11.7	2.6	sun
## 1240 2015-05-24	0.0	17.8	11.1	2.7	sun
## 1241 2015-05-25	0.0	15.6	11.1	2.7	sun
## 1242 2015-05-26	0.0	21.7	11.7	2.1	sun
## 1243 2015-05-27	0.0	24.4	11.7	1.8	sun
## 1244 2015-05-28	0.0	27.8	12.2	2.1	sun
## 1245 2015-05-29	0.0	26.1	12.8	2.5	sun
## 1246 2015-05-30	0.0	22.8	10.0	2.5	sun
## 1247 2015-05-31	0.0	25.0	11.7	2.2	sun
## 1248 2015-06-01	4.6	16.1	11.7	3.4	rain
## 1249 2015-06-02	0.5	17.8	12.8	5.0	rain
## 1250 2015-06-03	0.0	20.0	11.7	3.0	sun
## 1251 2015-06-04	0.0	22.8	11.7	3.9	sun

## 1252 2015-06-05	0.0	26.7	12.8	4.3	sun
## 1253 2015-06-06	0.0	29.4	13.3	2.6	sun
## 1254 2015-06-07	0.0	31.1	15.6	3.2	sun
## 1255 2015-06-08	0.0	30.6	14.4	3.5	sun
## 1256 2015-06-09	0.0	28.9	14.4	2.7	sun
## 1257 2015-06-10	0.0	25.6	11.1	3.0	sun
## 1258 2015-06-11	0.0	24.4	11.1	3.5	sun
## 1259 2015-06-12	0.0	20.0	11.7	2.3	sun
## 1260 2015-06-13	0.0	23.9	9.4	2.6	sun
## 1261 2015-06-14	0.0	27.8	11.7	3.7	sun
## 1262 2015-06-15	0.0	30.0	16.1	3.5	drizzle
## 1263 2015-06-16	0.0	22.8	11.1	3.0	sun
## 1264 2015-06-17	0.0	25.0	11.1	3.1	sun
## 1265 2015-06-18	0.0	24.4	13.9	3.0	sun
## 1266 2015-06-19	0.5	23.9	13.3	3.2	rain
## 1267 2015-06-20	0.0	25.0	12.8	4.3	sun
## 1268 2015-06-21	0.0	25.6	13.9	3.4	sun
## 1269 2015-06-22	0.0	25.0	12.8	2.4	sun
## 1270 2015-06-23	0.0	26.1	11.7	2.4	sun
## 1271 2015-06-24	0.0	25.6	16.1	2.6	sun
## 1272 2015-06-25	0.0	30.6	15.6	3.0	sun
## 1273 2015-06-26	0.0	31.7	17.8	4.7	sun
## 1274 2015-06-27	0.0	33.3	17.2	3.9	sun
## 1275 2015-06-28	0.3	28.3	18.3	2.1	rain
## 1276 2015-06-29	0.0	28.9	17.2	2.7	sun
## 1277 2015-06-30	0.0	30.6	15.0	3.4	fog
## 1278 2015-07-01	0.0	32.2	17.2	4.3	sun
## 1279 2015-07-02	0.0	33.9	17.8	3.4	sun
## 1280 2015-07-03	0.0	33.3	17.8	2.6	sun
## 1281 2015-07-04	0.0	33.3	15.0	2.9	sun
## 1282 2015-07-05	0.0	32.8	16.7	2.1	sun
## 1283 2015-07-06	0.0	29.4	15.6	3.2	drizzle
## 1284 2015-07-07	0.0	27.2	13.9	2.4	sun
## 1285 2015-07-08	0.0	30.0	14.4	1.9	drizzle
## 1286 2015-07-09	0.0	28.9	14.4	3.4	sun
## 1287 2015-07-10	0.0	21.1	16.7	3.7	sun
## 1288 2015-07-11	0.0	22.2	16.7	3.0	sun
## 1289 2015-07-12	0.0	26.1	16.7	2.2	sun
## 1290 2015-07-13	0.0	25.6	16.1	3.1	sun
## 1291 2015-07-14	0.0	27.8	16.1	3.3	sun
## 1292 2015-07-15	0.0	26.1	14.4	3.2	sun
## 1293 2015-07-16	0.0	26.1	15.0	2.8	sun
## 1294 2015-07-17	0.0	27.8	13.9	3.3	sun
## 1295 2015-07-18	0.0	33.3	17.8	3.4	sun
## 1296 2015-07-19	0.0	35.0	17.2	3.3	sun
## 1297 2015-07-20	0.0	26.7	16.7	3.9	sun
## 1298 2015-07-21	0.0	23.9	15.0	2.4	sun
## 1299 2015-07-22	0.0	23.9	13.9	2.8	sun
## 1300 2015-07-23	0.0	26.1	14.4	1.9	sun
## 1301 2015-07-24	0.3	22.8	13.3	3.8	rain
## 1302 2015-07-25	0.0	21.1	14.4	2.4	fog
## 1303 2015-07-26	2.0	22.2	13.9	2.6	rain
## 1304 2015-07-27	0.0	23.3	12.2	1.9	fog
## 1305 2015-07-28	0.0	27.8	13.9	3.4	sun
## 1306 2015-07-29	0.0	32.2	14.4	3.8	sun
## 1307 2015-07-30	0.0	34.4	17.2	3.5	sun
## 1308 2015-07-31	0.0	34.4	17.8	2.6	sun
## 1309 2015-08-01	0.0	33.3	15.6	3.1	sun



## 1310 2015-08-02	0.0	30.6	16.1	2.0	sun
## 1311 2015-08-03	0.0	28.3	17.2	2.3	sun
## 1312 2015-08-04	0.0	26.1	14.4	2.6	fog
## 1313 2015-08-05	0.0	23.3	12.2	3.5	sun
## 1314 2015-08-06	0.0	25.0	15.0	2.9	sun
## 1315 2015-08-07	0.0	28.3	15.6	3.7	sun
## 1316 2015-08-08	0.0	25.0	15.6	3.6	fog
## 1317 2015-08-09	0.0	28.3	15.0	2.2	sun
## 1318 2015-08-10	0.0	28.9	16.1	2.4	sun
## 1319 2015-08-11	0.0	30.0	16.7	4.4	sun
## 1320 2015-08-12	7.6	28.3	16.7	2.7	rain
## 1321 2015-08-13	0.0	28.3	15.6	2.2	sun
## 1322 2015-08-14	30.5	18.3	15.0	5.2	rain
## 1323 2015-08-15	0.0	21.7	13.9	3.7	sun
## 1324 2015-08-16	0.0	25.0	14.4	3.7	sun
## 1325 2015-08-17	0.0	27.2	13.9	3.0	sun
## 1326 2015-08-18	0.0	30.0	15.0	3.0	sun
## 1327 2015-08-19	0.0	31.7	16.1	2.1	drizzle
## 1328 2015-08-20	2.0	22.8	14.4	4.2	rain
## 1329 2015-08-21	0.0	22.2	14.4	2.6	sun
## 1330 2015-08-22	0.0	26.7	12.2	2.5	drizzle
## 1331 2015-08-23	0.0	27.8	13.9	1.8	drizzle
## 1332 2015-08-24	0.0	23.9	12.2	2.3	sun
## 1333 2015-08-25	0.0	25.6	12.2	3.4	sun
## 1334 2015-08-26	0.0	28.3	13.9	1.7	sun
## 1335 2015-08-27	0.0	29.4	14.4	2.1	sun
## 1336 2015-08-28	0.5	23.3	15.6	2.6	rain
## 1337 2015-08-29	32.5	22.2	13.3	5.8	rain
## 1338 2015-08-30	10.2	20.0	12.8	4.7	rain
## 1339 2015-08-31	0.0	18.9	16.1	5.8	sun
## 1340 2015-09-01	5.8	19.4	13.9	5.0	rain
## 1341 2015-09-02	0.0	19.4	11.1	3.8	sun
## 1342 2015-09-03	0.0	18.3	10.6	2.9	sun
## 1343 2015-09-04	0.0	18.3	10.0	2.9	sun
## 1344 2015-09-05	0.3	20.6	8.9	3.5	rain
## 1345 2015-09-06	5.3	16.1	11.7	2.4	rain
## 1346 2015-09-07	0.3	21.1	13.3	1.5	rain
## 1347 2015-09-08	0.0	22.8	13.3	2.4	sun
## 1348 2015-09-09	0.0	24.4	13.9	3.3	sun
## 1349 2015-09-10	0.0	25.0	14.4	3.6	fog
## 1350 2015-09-11	0.0	27.2	15.0	3.1	sun
## 1351 2015-09-12	0.0	26.7	14.4	2.1	sun
## 1352 2015-09-13	0.5	20.6	12.8	3.0	rain
## 1353 2015-09-14	0.0	16.7	10.6	3.4	sun
## 1354 2015-09-15	0.0	17.8	10.0	2.8	sun
## 1355 2015-09-16	1.0	20.0	10.0	1.9	rain
## 1356 2015-09-17	1.8	18.3	12.8	3.8	rain
## 1357 2015-09-18	0.0	19.4	12.8	2.6	sun
## 1358 2015-09-19	0.0	21.1	14.4	4.3	sun
## 1359 2015-09-20	4.1	22.8	12.2	6.8	rain
## 1360 2015-09-21	0.0	18.3	9.4	2.7	fog
## 1361 2015-09-22	0.0	18.9	7.8	2.0	sun
## 1362 2015-09-23	0.0	20.6	8.3	1.8	sun
## 1363 2015-09-24	0.0	22.2	11.1	2.5	fog
## 1364 2015-09-25	2.0	15.6	12.8	2.6	rain
## 1365 2015-09-26	0.0	18.3	10.0	2.7	sun
## 1366 2015-09-27	0.0	17.8	7.2	3.8	sun
## 1367 2015-09-28	0.0	21.1	9.4	5.1	sun

## 1368 2015-09-29	0.0	21.7	8.9	1.9	sun
## 1369 2015-09-30	0.0	18.3	10.0	1.3	fog
## 1370 2015-10-01	0.0	21.1	9.4	1.3	fog
## 1371 2015-10-02	0.0	15.6	10.0	2.9	fog
## 1372 2015-10-03	0.0	19.4	11.1	4.8	sun
## 1373 2015-10-04	0.0	22.8	10.0	3.7	sun
## 1374 2015-10-05	0.0	23.3	9.4	1.6	sun
## 1375 2015-10-06	0.0	18.3	10.0	2.6	drizzle
## 1376 2015-10-07	9.9	16.1	13.9	2.2	rain
## 1377 2015-10-08	0.0	18.9	13.3	1.1	fog
## 1378 2015-10-09	0.3	19.4	12.2	2.6	rain
## 1379 2015-10-10	28.7	21.1	13.3	4.7	rain
## 1380 2015-10-11	0.0	17.8	10.6	2.6	sun
## 1381 2015-10-12	4.6	18.3	10.6	2.8	rain
## 1382 2015-10-13	1.3	16.7	9.4	3.2	rain
## 1383 2015-10-14	0.0	15.0	10.0	5.0	fog
## 1384 2015-10-15	0.0	21.1	9.4	3.4	fog
## 1385 2015-10-16	0.0	20.0	8.9	1.3	sun
## 1386 2015-10-17	0.3	19.4	11.7	1.3	rain
## 1387 2015-10-18	3.8	15.0	12.8	2.0	rain
## 1388 2015-10-19	0.3	17.2	12.2	2.6	rain
## 1389 2015-10-20	0.0	17.8	10.6	1.8	fog
## 1390 2015-10-21	0.0	16.1	8.3	1.3	fog
## 1391 2015-10-22	0.0	16.1	8.9	2.7	fog
## 1392 2015-10-23	0.0	12.8	7.2	2.6	fog
## 1393 2015-10-24	0.0	15.0	8.9	2.9	fog
## 1394 2015-10-25	8.9	19.4	8.9	3.4	rain
## 1395 2015-10-26	6.9	12.2	10.0	4.6	rain
## 1396 2015-10-27	0.0	16.1	7.8	1.7	fog
## 1397 2015-10-28	3.3	13.9	11.1	2.8	rain
## 1398 2015-10-29	1.8	15.0	12.2	4.7	rain
## 1399 2015-10-30	19.3	17.2	11.7	6.7	rain
## 1400 2015-10-31	33.0	15.6	11.7	7.2	rain
## 1401 2015-11-01	26.2	12.2	8.9	6.0	rain
## 1402 2015-11-02	0.3	11.1	7.2	2.8	rain
## 1403 2015-11-03	0.8	10.6	5.0	1.4	rain
## 1404 2015-11-04	0.0	10.0	3.3	2.2	sun
## 1405 2015-11-05	1.3	11.7	7.8	2.3	rain
## 1406 2015-11-06	0.0	15.6	8.3	2.7	fog
## 1407 2015-11-07	12.7	12.2	9.4	3.0	rain
## 1408 2015-11-08	6.6	11.1	7.8	1.8	rain
## 1409 2015-11-09	3.3	10.0	5.0	1.3	rain
## 1410 2015-11-10	1.3	11.1	3.9	3.9	rain
## 1411 2015-11-11	1.5	11.1	6.1	4.6	rain
## 1412 2015-11-12	9.9	11.1	5.0	5.1	rain
## 1413 2015-11-13	33.5	13.3	9.4	6.5	rain
## 1414 2015-11-14	47.2	9.4	6.1	4.5	rain
## 1415 2015-11-15	22.4	8.9	2.2	4.1	rain
## 1416 2015-11-16	2.0	8.9	1.7	4.0	rain
## 1417 2015-11-17	29.5	13.3	6.7	8.0	rain
## 1418 2015-11-18	1.5	8.9	3.3	3.8	rain
## 1419 2015-11-19	2.0	8.9	2.8	4.2	rain
## 1420 2015-11-20	0.0	8.3	0.6	4.0	fog
## 1421 2015-11-21	0.0	8.9	0.6	4.7	sun
## 1422 2015-11-22	0.0	10.0	1.7	3.1	fog
## 1423 2015-11-23	3.0	6.7	0.0	1.3	rain
## 1424 2015-11-24	7.1	6.7	2.8	4.5	rain
## 1425 2015-11-25	0.0	7.2	0.0	5.7	sun

```

## 1426 2015-11-26      0.0   9.4  -1.0  4.3  sun
## 1427 2015-11-27      0.0   9.4  -1.6  3.0  sun
## 1428 2015-11-28      0.0   7.2  -2.7  1.0  sun
## 1429 2015-11-29      0.0   1.7  -2.1  0.9  fog
## 1430 2015-11-30      0.5   5.6  -3.8  1.7  rain
## 1431 2015-12-01     12.2  10.0   3.9  3.5  rain
## 1432 2015-12-02      2.5  10.6   4.4  5.0  rain
## 1433 2015-12-03     12.7  15.6   7.8  5.9  rain
## 1434 2015-12-04      2.0  10.6   6.1  4.7  rain
## 1435 2015-12-05     15.7  10.0   6.1  4.0  rain
## 1436 2015-12-06     11.2  12.8   7.2  5.9  rain
## 1437 2015-12-07     27.4  11.1   8.3  3.4  rain
## 1438 2015-12-08     54.1  15.6  10.0  6.2  rain
## 1439 2015-12-09     13.5  12.2   7.8  6.3  rain
## 1440 2015-12-10      9.4  11.7   6.1  7.5  rain
## 1441 2015-12-11      0.3   9.4   4.4  2.8  rain
## 1442 2015-12-12     16.0   8.9   5.6  5.6  rain
## 1443 2015-12-13      1.3   7.8   6.1  6.1  rain
## 1444 2015-12-14      0.0   7.8   1.7  1.7  sun
## 1445 2015-12-15      1.5   6.7   1.1  2.9  rain
## 1446 2015-12-16      3.6   6.1   2.8  2.3  rain
## 1447 2015-12-17     21.8   6.7   3.9  6.0  rain
## 1448 2015-12-18     18.5   8.9   4.4  5.1  rain
## 1449 2015-12-19      0.0   8.3   2.8  4.1  fog
## 1450 2015-12-20      4.3   7.8   4.4  6.7  rain
## 1451 2015-12-21     27.4   5.6   2.8  4.3  rain
## 1452 2015-12-22      4.6   7.8   2.8  5.0  rain
## 1453 2015-12-23      6.1   5.0   2.8  7.6  rain
## 1454 2015-12-24      2.5   5.6   2.2  4.3  rain
## 1455 2015-12-25      5.8   5.0   2.2  1.5  rain
## 1456 2015-12-26      0.0   4.4   0.0  2.5  sun
## 1457 2015-12-27      8.6   4.4   1.7  2.9  rain
## 1458 2015-12-28      1.5   5.0   1.7  1.3  rain
## 1459 2015-12-29      0.0   7.2   0.6  2.6  fog
## 1460 2015-12-30      0.0   5.6  -1.0  3.4  sun
## 1461 2015-12-31      0.0   5.6  -2.1  3.5  sun

```

```
#View(data)
```

```
nrow(data)
```

```
## [1] 1461
```

```
ncol(data)
```

```
## [1] 6
```

```
colnames(data)
```

```
## [1] "date"      "precipitation" "temp_max"      "temp_min"
```

```
## [5] "wind"      "weather"
```

```
str(data)
```

```
## 'data.frame': 1461 obs. of 6 variables:
```

```
## $ date      : chr "2012-01-01" "2012-01-02" "2012-01-03" "2012-01-04" ...
```

```
## $ precipitation: num 0 10.9 0.8 20.3 1.3 2.5 0 0 4.3 1 ...
```

```
## $ temp_max    : num 12.8 10.6 11.7 12.2 8.9 4.4 7.2 10 9.4 6.1 ...
```

```
## $ temp_min    : num 5 2.8 7.2 5.6 2.8 2.2 2.8 2.8 5 0.6 ...
```

```
## $ wind        : num 4.7 4.5 2.3 4.7 6.1 2.2 2.3 2 3.4 3.4 ...
```

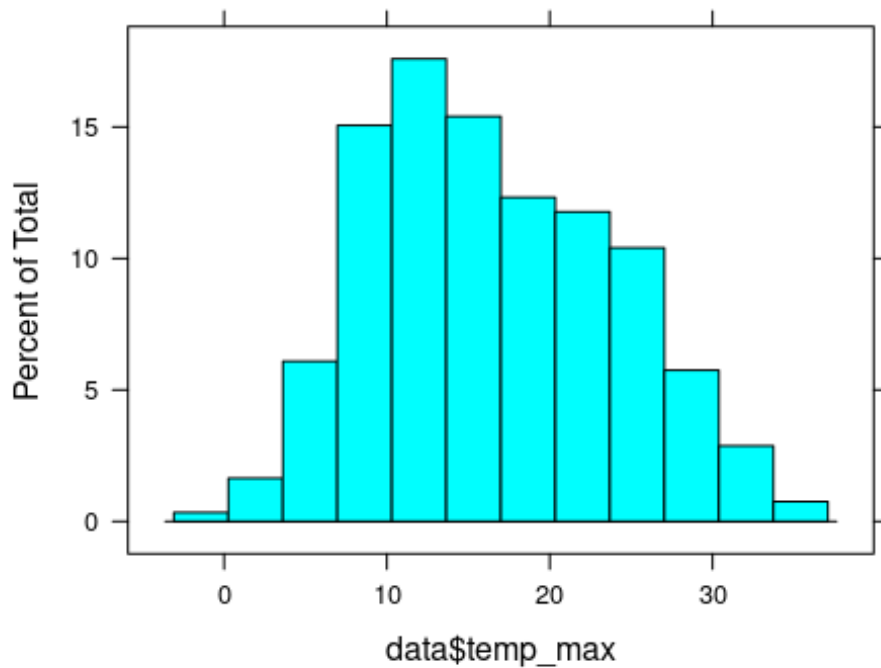
```
## $ weather : chr "drizzle" "rain" "rain" "rain" ...
```

```
summary(data)
```

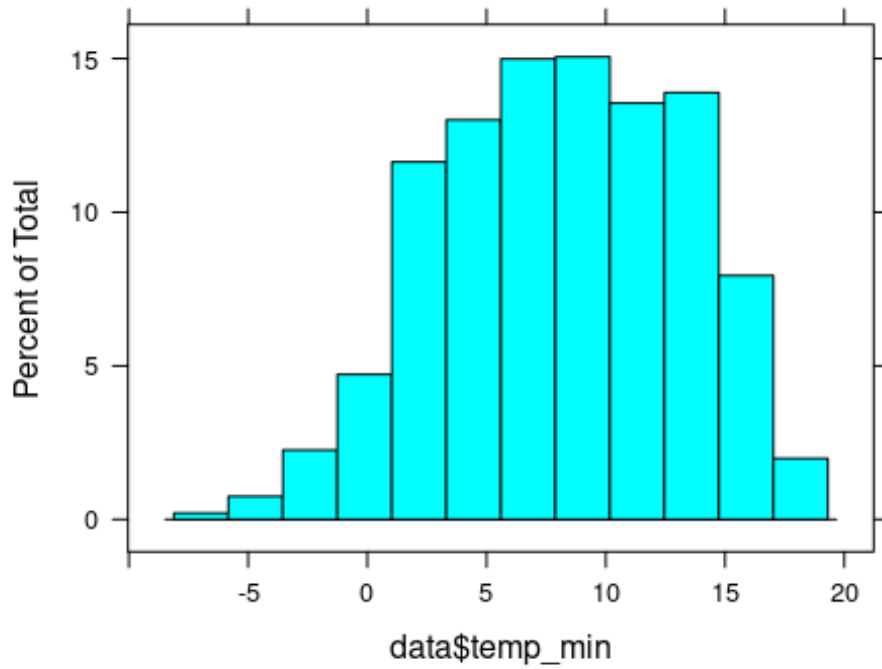
```
## date      precipitation temp_max temp_min
## Length:1461 Min. :0.000 Min. :-1.60 Min. :-7.100
## Class:character 1st Qu.:0.000 1st Qu.:10.60 1st Qu.:4.400
## Mode :character Median:0.000 Median:15.60 Median:8.300
##      Mean :3.029 Mean :16.44 Mean :8.235
##      3rd Qu.:2.800 3rd Qu.:22.20 3rd Qu.:12.200
##      Max. :55.900 Max. :35.60 Max. :18.300
## wind      weather
## Min. :0.400 Length:1461
## 1st Qu.:2.200 Class:character
## Median:3.000 Mode :character
## Mean :3.241
## 3rd Qu.:4.000
## Max. :9.500
```

```
library(lattice)
```

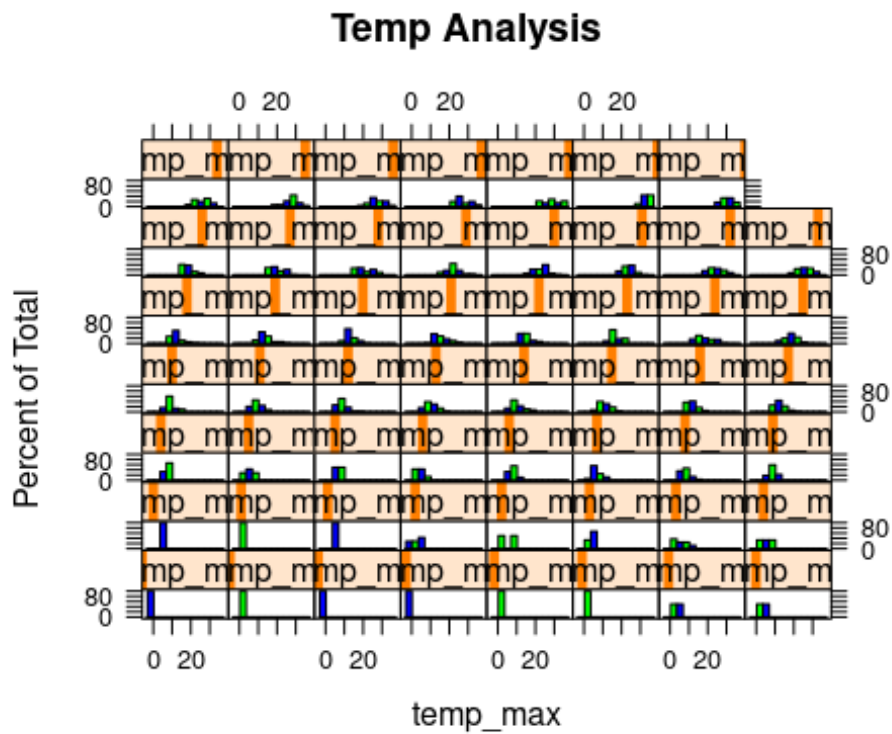
```
histogram(data$temp_max)
```



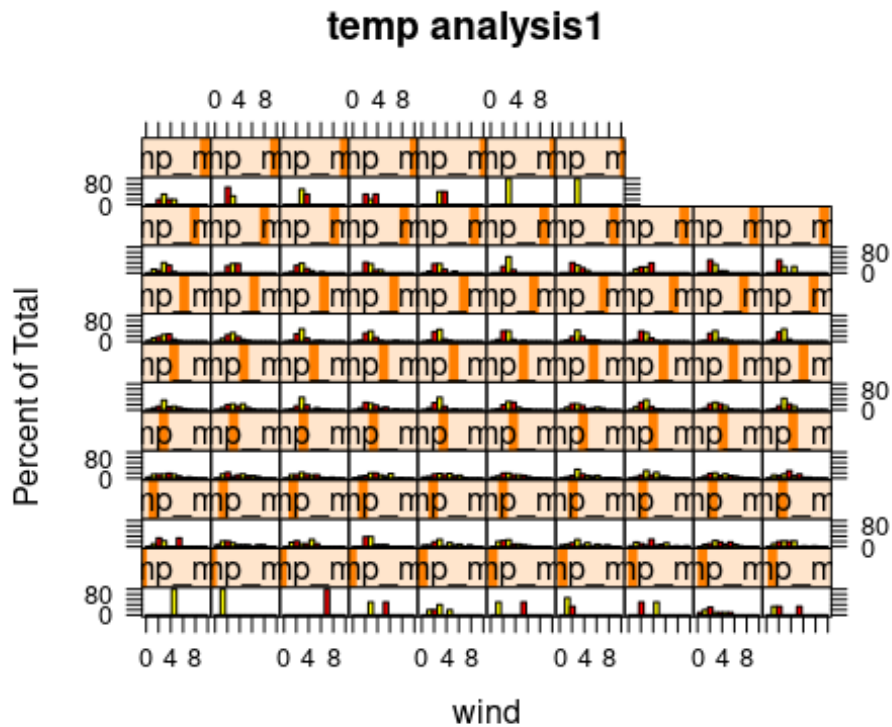
```
histogram(data$temp_min)
```



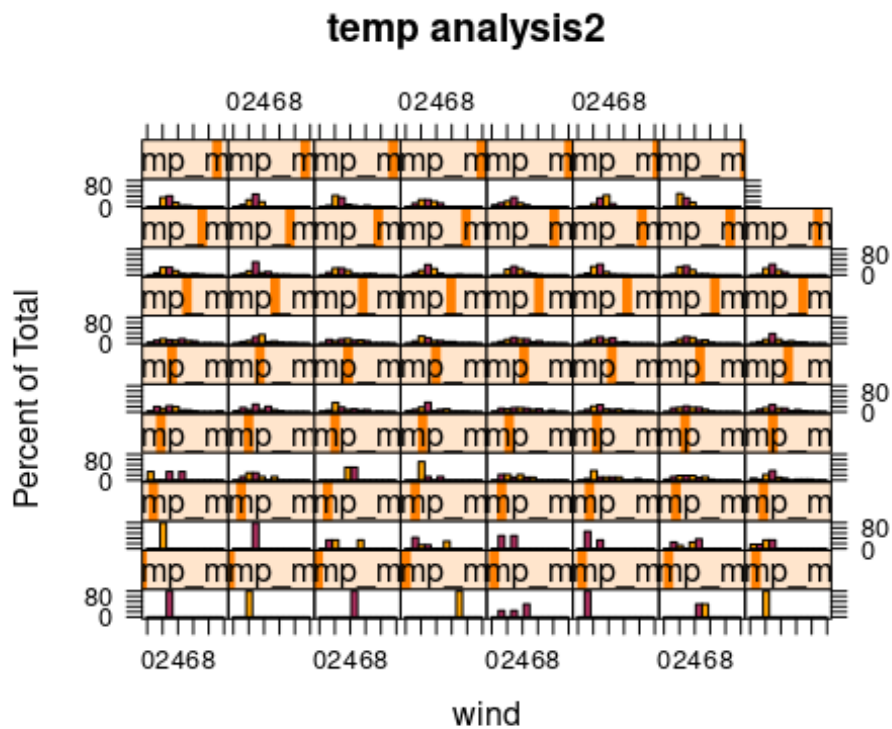
```
histogram(~temp_max|temp_min,data,col=c("blue","green"),main="Temp Analysis")
```



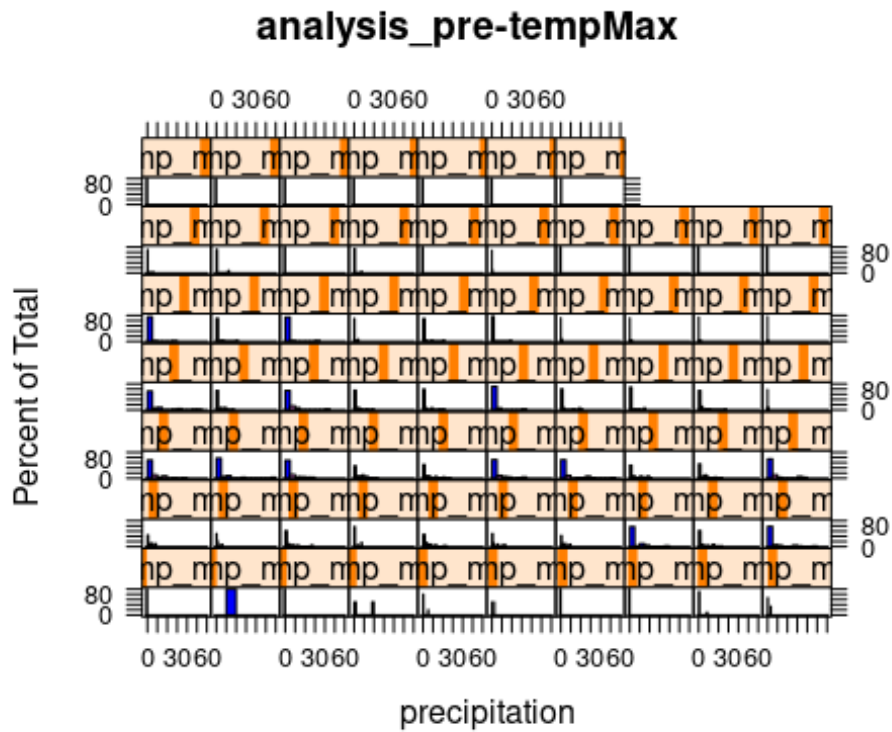
```
histogram(~wind|temp_max,data,col=c("red","yellow"),main="temp analysis1")
```



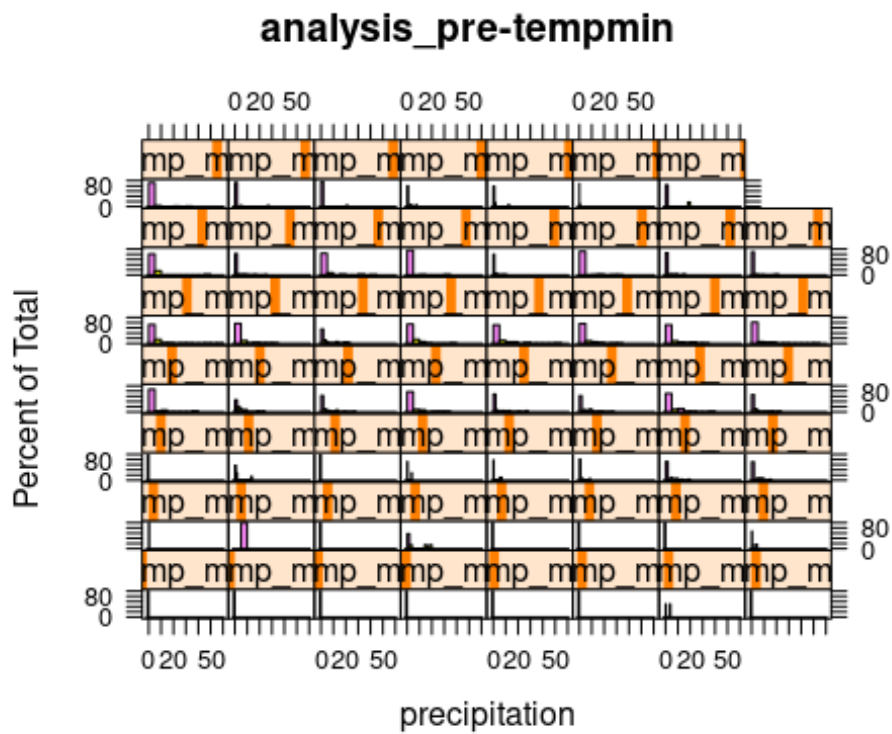
```
histogram(~wind|temp_min,data,col=c("orange","maroon"),main="temp analysis2")
```



```
histogram(~precipitation|temp_max,data,breaks=10,col=c("blue","violet"),main="analysis_pre-tempMax")
```



```
histogram(~precipitation|temp_min,data,breaks=10,col=c("violet","yellow"),main="analysis_pre-tempmin")
```



```
head(data)
```

```
##      date precipitation temp_max temp_min wind weather
## 1 2012-01-01         0.0   12.8    5.0 4.7 drizzle
## 2 2012-01-02        10.9   10.6    2.8 4.5  rain
## 3 2012-01-03         0.8   11.7    7.2 2.3  rain
## 4 2012-01-04        20.3   12.2    5.6 4.7  rain
## 5 2012-01-05         1.3    8.9    2.8 6.1  rain
## 6 2012-01-06         2.5    4.4    2.2 2.2  rain
```

```
attach(data)
filt1 = filter(data,weather=="snow")
filt1
```

```
##      date precipitation temp_max temp_min wind weather
## 1 2012-01-14         4.1    4.4    0.6 5.3  snow
## 2 2012-01-15         5.3    1.1   -3.3 3.2  snow
## 3 2012-01-16         2.5    1.7   -2.8 5.0  snow
## 4 2012-01-17         8.1    3.3    0.0 5.6  snow
## 5 2012-01-18        19.8    0.0   -2.8 5.0  snow
## 6 2012-01-19        15.2   -1.1   -2.8 1.6  snow
## 7 2012-01-20        13.5    7.2   -1.1 2.3  snow
## 8 2012-02-26         1.3    5.0   -1.1 3.4  snow
## 9 2012-02-28         3.6    6.7   -0.6 4.2  snow
## 10 2012-02-29         0.8    5.0    1.1 7.0  snow
## 11 2012-03-06         0.5    6.7    0.0 2.7  snow
## 12 2012-03-12        19.3    8.3    0.6 6.2  snow
## 13 2012-03-13         9.4    5.6    0.6 5.3  snow
## 14 2012-03-15        23.9   11.1    5.6 5.8  snow
## 15 2012-03-17         9.4   10.0    0.6 3.8  snow
## 16 2012-04-05         4.6    9.4    2.8 1.8  snow
## 17 2012-12-15         5.3    4.4    0.6 5.1  snow
## 18 2012-12-16        22.6    6.7    3.3 5.5  snow
## 19 2012-12-18         3.3    3.9    0.6 5.3  snow
## 20 2012-12-19        13.7    8.3    1.7 5.8  snow
## 21 2012-12-25        13.5    5.6    2.8 4.2  snow
## 22 2013-01-10         0.3    3.3   -0.6 2.1  snow
## 23 2013-03-21         8.1   10.0    2.2 4.9  snow
## 24 2013-12-20         5.6    8.3    0.6 3.7  snow
## 25 2014-02-08         5.1    5.6   -0.5 4.6  snow
## 26 2014-11-29         3.6    4.4   -4.3 5.3  snow
```

```
filt2 = filter(data,weather=="sun")
filt2
```

```
##      date precipitation temp_max temp_min wind weather
## 1 2012-01-08         0   10.0    2.8 2.0  sun
## 2 2012-01-11         0    6.1   -1.1 5.1  sun
## 3 2012-01-12         0    6.1   -1.7 1.9  sun
## 4 2012-01-13         0    5.0   -2.8 1.3  sun
## 5 2012-02-02         0    8.3    1.7 2.6  sun
## 6 2012-02-03         0   14.4    2.2 5.3  sun
## 7 2012-02-04         0   15.6    5.0 4.3  sun
## 8 2012-02-05         0   13.9    1.7 2.9  sun
## 9 2012-02-06         0   16.1    1.7 5.0  sun
## 10 2012-02-19         0    6.7    2.2 4.7  sun
## 11 2012-02-23         0    8.3    2.8 3.9  sun
## 12 2012-02-27         0    6.7   -2.2 3.0  sun
## 13 2012-03-01         0    6.1    1.1 3.1  sun
## 14 2012-03-03         0   12.2    6.7 7.0  sun
## 15 2012-03-07         0    8.9   -1.7 2.7  sun
```



## 16	2012-03-08	0	15.6	0.6	2.5	sun
## 17	2012-03-23	0	12.2	0.6	2.8	sun
## 18	2012-03-24	0	15.0	3.3	5.2	sun
## 19	2012-04-02	0	16.7	4.4	3.1	sun
## 20	2012-04-04	0	10.6	2.8	2.1	sun
## 21	2012-04-07	0	16.1	1.7	4.3	sun
## 22	2012-04-08	0	21.1	7.2	4.1	sun
## 23	2012-04-09	0	20.0	6.1	2.1	sun
## 24	2012-04-14	0	15.6	3.3	3.0	sun
## 25	2012-04-21	0	20.0	4.4	2.3	sun
## 26	2012-04-23	0	21.7	8.9	3.5	sun
## 27	2012-05-05	0	13.3	5.0	2.3	sun
## 28	2012-05-06	0	17.8	5.0	2.4	sun
## 29	2012-05-07	0	23.9	6.1	2.2	sun
## 30	2012-05-08	0	18.3	9.4	3.0	sun
## 31	2012-05-10	0	14.4	3.9	3.0	sun
## 32	2012-05-11	0	18.3	4.4	4.3	sun
## 33	2012-05-12	0	24.4	6.7	3.4	sun
## 34	2012-05-13	0	25.6	9.4	4.2	sun
## 35	2012-05-14	0	26.7	12.8	3.8	sun
## 36	2012-05-16	0	19.4	9.4	3.5	sun
## 37	2012-05-19	0	19.4	7.2	1.5	sun
## 38	2012-05-26	0	22.2	8.9	3.6	sun
## 39	2012-05-27	0	17.2	11.7	3.7	sun
## 40	2012-05-29	0	16.1	7.8	1.8	sun
## 41	2012-06-03	0	17.2	9.4	2.9	sun
## 42	2012-06-06	0	16.1	6.1	3.4	sun
## 43	2012-06-10	0	18.9	10.0	2.9	sun
## 44	2012-06-13	0	16.1	11.1	4.3	sun
## 45	2012-06-14	0	17.2	10.0	2.7	sun
## 46	2012-06-15	0	22.2	9.4	1.7	sun
## 47	2012-06-17	0	18.9	11.7	6.4	sun
## 48	2012-06-20	0	24.4	10.0	3.0	sun
## 49	2012-06-21	0	23.9	11.7	2.1	sun
## 50	2012-06-27	0	22.8	8.9	1.8	sun
## 51	2012-07-04	0	20.6	9.4	3.8	sun
## 52	2012-07-06	0	25.0	11.1	2.1	sun
## 53	2012-07-07	0	26.7	12.8	3.8	sun
## 54	2012-07-17	0	21.7	15.0	2.6	sun
## 55	2012-07-18	0	21.1	14.4	2.9	sun
## 56	2012-07-19	0	25.0	14.4	2.2	sun
## 57	2012-07-21	0	23.9	13.9	2.3	sun
## 58	2012-07-24	0	23.3	12.2	4.3	sun
## 59	2012-07-25	0	26.7	12.8	2.6	sun
## 60	2012-07-29	0	22.8	15.0	2.0	sun
## 61	2012-07-30	0	19.4	13.3	3.0	sun
## 62	2012-07-31	0	22.8	13.9	2.8	sun
## 63	2012-08-02	0	23.3	12.2	2.5	sun
## 64	2012-08-03	0	27.2	12.8	3.9	sun
## 65	2012-08-04	0	33.9	16.7	3.7	sun
## 66	2012-08-05	0	33.9	17.8	1.9	sun
## 67	2012-08-08	0	22.2	15.0	3.1	sun
## 68	2012-08-10	0	25.6	12.2	2.3	sun
## 69	2012-08-11	0	28.3	13.3	2.5	sun
## 70	2012-08-12	0	30.6	15.0	3.0	sun
## 71	2012-08-13	0	30.6	15.0	2.8	sun
## 72	2012-08-14	0	28.9	13.9	2.8	sun
## 73	2012-08-15	0	31.1	16.7	4.7	sun

## 74	2012-08-16	0	34.4	18.3	2.8	sun
## 75	2012-08-17	0	32.8	16.1	1.8	sun
## 76	2012-08-20	0	25.6	15.0	1.9	sun
## 77	2012-08-22	0	22.2	13.3	2.3	sun
## 78	2012-08-23	0	21.1	13.9	3.8	sun
## 79	2012-08-24	0	22.2	10.0	3.3	sun
## 80	2012-08-25	0	26.1	11.7	3.2	sun
## 81	2012-08-26	0	21.1	12.2	3.4	sun
## 82	2012-08-27	0	23.9	13.3	1.8	sun
## 83	2012-08-28	0	22.8	12.2	3.2	sun
## 84	2012-08-29	0	22.8	13.3	2.4	sun
## 85	2012-08-30	0	22.8	12.8	1.9	sun
## 86	2012-08-31	0	22.2	10.6	2.9	sun
## 87	2012-09-01	0	21.7	10.6	2.1	sun
## 88	2012-09-02	0	21.1	10.0	2.0	sun
## 89	2012-09-03	0	22.8	12.8	3.3	sun
## 90	2012-09-04	0	24.4	11.1	3.1	sun
## 91	2012-09-05	0	26.1	11.7	2.6	sun
## 92	2012-09-06	0	28.3	14.4	4.2	sun
## 93	2012-09-07	0	32.2	13.3	3.1	sun
## 94	2012-09-08	0	25.0	13.3	3.0	sun
## 95	2012-09-11	0	20.0	8.9	4.2	sun
## 96	2012-09-12	0	22.2	10.0	5.6	sun
## 97	2012-09-13	0	27.8	11.7	3.6	sun
## 98	2012-09-14	0	26.1	11.1	1.5	sun
## 99	2012-09-15	0	22.2	11.1	1.9	sun
## 100	2012-09-16	0	24.4	9.4	2.3	sun
## 101	2012-09-18	0	27.8	11.7	1.4	sun
## 102	2012-09-25	0	19.4	11.1	1.7	sun
## 103	2012-09-29	0	20.6	12.2	4.3	sun
## 104	2012-09-30	0	21.1	7.8	3.1	sun
## 105	2012-10-01	0	23.3	8.9	3.0	sun
## 106	2012-10-02	0	17.8	10.0	4.1	sun
## 107	2012-10-03	0	18.9	7.8	7.3	sun
## 108	2012-10-04	0	18.9	8.3	6.5	sun
## 109	2012-10-05	0	21.7	8.9	5.7	sun
## 110	2012-10-06	0	23.9	7.8	5.1	sun
## 111	2012-10-07	0	23.9	7.8	1.3	sun
## 112	2012-10-08	0	21.1	7.8	1.9	sun
## 113	2012-10-16	0	16.1	8.3	5.5	sun
## 114	2012-10-17	0	14.4	6.1	1.6	sun
## 115	2012-10-25	0	11.7	6.7	1.5	sun
## 116	2012-11-10	0	7.8	-0.6	2.2	sun
## 117	2012-11-27	0	10.0	1.7	1.5	sun
## 118	2012-12-08	0	6.7	3.3	2.0	sun
## 119	2013-01-01	0	5.0	-2.8	2.7	sun
## 120	2013-01-02	0	6.1	-1.1	3.2	sun
## 121	2013-01-12	0	2.8	-3.9	2.0	sun
## 122	2013-01-13	0	2.2	-4.4	1.5	sun
## 123	2013-01-14	0	3.3	-2.2	1.3	sun
## 124	2013-01-15	0	6.7	-0.6	2.3	sun
## 125	2013-02-08	0	7.8	2.2	1.3	sun
## 126	2013-02-19	0	10.6	1.7	3.4	sun
## 127	2013-03-03	0	11.1	2.2	2.8	sun
## 128	2013-03-04	0	13.3	0.0	3.9	sun
## 129	2013-03-17	0	8.9	3.9	6.1	sun
## 130	2013-03-22	0	9.4	0.6	2.2	sun
## 131	2013-03-23	0	10.0	1.1	2.6	sun

## 132 2013-03-24	0	12.2	0.6	2.1	sun
## 133 2013-03-25	0	16.7	4.4	2.8	sun
## 134 2013-03-26	0	16.7	6.1	1.7	sun
## 135 2013-03-31	0	20.6	6.7	2.9	sun
## 136 2013-04-01	0	17.2	8.3	3.6	sun
## 137 2013-04-02	0	13.9	8.9	2.2	sun
## 138 2013-04-03	0	16.7	7.8	1.6	sun
## 139 2013-04-09	0	12.2	6.1	2.4	sun
## 140 2013-04-20	0	13.9	8.3	5.8	sun
## 141 2013-04-22	0	16.1	5.0	4.3	sun
## 142 2013-04-23	0	17.8	3.9	2.8	sun
## 143 2013-04-24	0	21.1	6.1	3.0	sun
## 144 2013-04-25	0	21.7	6.7	1.1	sun
## 145 2013-04-27	0	13.9	10.6	5.9	sun
## 146 2013-04-30	0	12.8	4.4	2.4	sun
## 147 2013-05-01	0	18.3	3.3	3.1	sun
## 148 2013-05-02	0	20.6	6.7	4.0	sun
## 149 2013-05-03	0	21.7	9.4	4.9	sun
## 150 2013-05-04	0	25.0	11.1	6.5	sun
## 151 2013-05-05	0	28.9	11.7	5.3	sun
## 152 2013-05-06	0	30.6	12.2	2.0	sun
## 153 2013-05-07	0	20.6	11.1	3.3	sun
## 154 2013-05-08	0	19.4	11.1	1.9	sun
## 155 2013-05-09	0	22.8	10.0	1.3	sun
## 156 2013-05-10	0	26.1	9.4	1.0	sun
## 157 2013-05-11	0	27.2	12.2	2.6	sun
## 158 2013-05-14	0	18.3	7.8	2.4	sun
## 159 2013-05-18	0	16.7	11.1	2.9	sun
## 160 2013-05-19	0	18.3	10.6	2.3	sun
## 161 2013-05-20	0	19.4	9.4	1.8	sun
## 162 2013-05-25	0	17.8	10.0	2.7	sun
## 163 2013-05-30	0	16.7	9.4	5.3	sun
## 164 2013-05-31	0	19.4	11.1	2.5	sun
## 165 2013-06-01	0	22.8	12.2	2.5	sun
## 166 2013-06-03	0	22.2	11.1	2.9	sun
## 167 2013-06-04	0	26.1	12.2	3.4	sun
## 168 2013-06-05	0	26.7	14.4	3.1	sun
## 169 2013-06-06	0	26.7	12.2	2.5	sun
## 170 2013-06-07	0	21.7	13.3	3.2	sun
## 171 2013-06-08	0	20.6	12.8	3.1	sun
## 172 2013-06-09	0	20.6	11.1	3.7	sun
## 173 2013-06-10	0	21.7	11.7	3.2	sun
## 174 2013-06-11	0	20.0	10.0	5.7	sun
## 175 2013-06-13	0	21.1	11.7	2.6	sun
## 176 2013-06-14	0	20.0	12.2	3.7	sun
## 177 2013-06-15	0	25.6	10.0	2.9	sun
## 178 2013-06-16	0	23.9	12.8	3.4	sun
## 179 2013-06-17	0	25.6	13.9	3.0	sun
## 180 2013-06-19	0	20.0	12.8	3.7	sun
## 181 2013-06-22	0	25.6	11.7	1.7	sun
## 182 2013-06-28	0	30.6	16.1	2.2	sun
## 183 2013-06-29	0	30.0	18.3	1.7	sun
## 184 2013-06-30	0	33.9	17.2	2.5	sun
## 185 2013-07-01	0	31.7	18.3	2.3	sun
## 186 2013-07-02	0	28.3	15.6	3.0	sun
## 187 2013-07-03	0	26.1	16.7	3.2	sun
## 188 2013-07-05	0	23.3	13.9	2.6	sun
## 189 2013-07-06	0	26.1	13.3	2.2	sun

## 190 2013-07-07	0	23.9	13.9	2.9	sun
## 191 2013-07-08	0	26.7	13.3	2.8	sun
## 192 2013-07-09	0	30.0	15.0	2.5	sun
## 193 2013-07-10	0	22.2	13.9	2.6	sun
## 194 2013-07-11	0	22.8	12.2	3.0	sun
## 195 2013-07-12	0	19.4	13.3	2.2	sun
## 196 2013-07-13	0	26.1	11.1	3.1	sun
## 197 2013-07-14	0	27.8	12.8	3.0	sun
## 198 2013-07-15	0	27.8	14.4	4.6	sun
## 199 2013-07-16	0	31.1	18.3	4.1	sun
## 200 2013-07-17	0	22.2	15.0	3.7	sun
## 201 2013-07-18	0	26.1	13.9	2.0	sun
## 202 2013-07-19	0	27.8	13.3	1.9	sun
## 203 2013-07-20	0	25.0	13.3	2.0	sun
## 204 2013-07-21	0	23.9	12.8	2.3	sun
## 205 2013-07-23	0	31.1	13.9	3.0	sun
## 206 2013-07-24	0	31.1	14.4	2.5	sun
## 207 2013-07-25	0	31.1	12.8	2.3	sun
## 208 2013-07-26	0	31.1	14.4	2.9	sun
## 209 2013-07-27	0	25.6	12.8	2.6	sun
## 210 2013-07-29	0	25.0	13.3	1.4	sun
## 211 2013-07-30	0	25.0	13.3	2.8	sun
## 212 2013-07-31	0	21.7	13.3	1.8	sun
## 213 2013-08-01	0	20.6	13.3	3.9	sun
## 214 2013-08-04	0	28.9	15.0	3.4	sun
## 215 2013-08-05	0	30.0	15.0	2.1	sun
## 216 2013-08-06	0	30.6	13.9	1.4	sun
## 217 2013-08-07	0	31.1	13.9	1.9	sun
## 218 2013-08-08	0	28.3	14.4	2.5	sun
## 219 2013-08-09	0	28.3	14.4	2.1	sun
## 220 2013-08-11	0	25.0	14.4	2.9	sun
## 221 2013-08-12	0	25.6	16.1	1.9	sun
## 222 2013-08-13	0	27.8	15.0	1.8	sun
## 223 2013-08-17	0	25.6	17.2	3.0	sun
## 224 2013-08-18	0	26.1	15.6	3.1	sun
## 225 2013-08-19	0	26.7	15.6	3.0	sun
## 226 2013-08-20	0	25.6	16.1	4.6	sun
## 227 2013-08-21	0	27.8	15.0	4.3	sun
## 228 2013-08-22	0	28.9	15.0	1.9	sun
## 229 2013-08-23	0	25.0	16.1	4.1	sun
## 230 2013-08-24	0	25.0	16.7	2.7	sun
## 231 2013-08-30	0	26.1	16.1	2.9	sun
## 232 2013-08-31	0	27.8	13.9	2.6	sun
## 233 2013-09-01	0	27.8	15.6	2.5	sun
## 234 2013-09-02	0	27.8	17.2	2.1	sun
## 235 2013-09-07	0	23.3	17.2	2.0	sun
## 236 2013-09-09	0	26.1	13.9	2.1	sun
## 237 2013-09-10	0	26.7	15.0	3.7	sun
## 238 2013-09-11	0	33.9	16.1	2.4	sun
## 239 2013-09-12	0	25.6	15.0	1.7	sun
## 240 2013-09-13	0	18.9	15.6	2.0	sun
## 241 2013-09-17	0	17.8	13.9	2.3	sun
## 242 2013-09-18	0	21.1	13.3	2.5	sun
## 243 2013-09-19	0	25.6	10.0	1.5	sun
## 244 2013-09-21	0	21.1	13.3	2.5	sun
## 245 2013-09-24	0	17.8	10.0	2.6	sun
## 246 2013-09-26	0	17.2	7.2	2.2	sun
## 247 2013-10-04	0	17.8	5.6	1.1	sun

## 248 2013-10-05	0	20.0	8.3	1.6	sun
## 249 2013-10-09	0	15.0	5.6	1.6	sun
## 250 2013-10-14	0	15.6	3.9	1.6	sun
## 251 2013-10-15	0	15.6	5.0	0.9	sun
## 252 2013-10-18	0	12.8	7.2	1.2	sun
## 253 2013-10-19	0	10.6	7.8	1.4	sun
## 254 2013-10-20	0	10.6	7.8	2.4	sun
## 255 2013-10-21	0	11.7	8.3	2.5	sun
## 256 2013-10-22	0	14.4	7.2	1.9	sun
## 257 2013-10-23	0	12.8	6.1	0.4	sun
## 258 2013-10-24	0	10.0	6.1	0.6	sun
## 259 2013-10-25	0	12.2	7.8	1.8	sun
## 260 2013-10-26	0	11.7	8.3	2.7	sun
## 261 2013-10-28	0	14.4	7.2	5.1	sun
## 262 2013-10-29	0	13.3	3.3	2.2	sun
## 263 2013-11-08	0	13.3	7.2	4.1	sun
## 264 2013-11-10	0	11.1	8.3	4.4	sun
## 265 2013-11-13	0	13.9	10.6	3.8	sun
## 266 2013-11-16	0	10.0	5.0	4.6	sun
## 267 2013-11-20	0	7.8	1.7	4.3	sun
## 268 2013-11-21	0	7.8	-0.5	3.6	sun
## 269 2013-11-22	0	9.4	0.0	4.6	sun
## 270 2013-11-23	0	11.1	1.1	2.6	sun
## 271 2013-11-25	0	12.2	2.2	0.5	sun
## 272 2013-11-26	0	12.2	2.8	1.0	sun
## 273 2013-11-27	0	14.4	5.6	1.3	sun
## 274 2013-11-28	0	11.7	3.3	0.7	sun
## 275 2013-12-03	0	5.0	-0.5	5.6	sun
## 276 2013-12-04	0	4.4	-2.1	1.6	sun
## 277 2013-12-05	0	1.1	-4.9	2.6	sun
## 278 2013-12-06	0	1.1	-4.3	4.7	sun
## 279 2013-12-07	0	0.0	-7.1	3.1	sun
## 280 2013-12-08	0	2.2	-6.6	2.2	sun
## 281 2013-12-09	0	1.1	-4.9	1.3	sun
## 282 2013-12-10	0	5.6	0.6	1.5	sun
## 283 2013-12-11	0	5.0	-1.6	0.8	sun
## 284 2013-12-14	0	9.4	6.1	3.7	sun
## 285 2013-12-17	0	8.3	4.4	2.7	sun
## 286 2013-12-19	0	5.0	0.0	2.1	sun
## 287 2013-12-24	0	8.3	2.8	1.7	sun
## 288 2013-12-25	0	6.7	1.7	0.8	sun
## 289 2013-12-26	0	6.7	0.6	0.5	sun
## 290 2013-12-28	0	9.4	3.3	1.3	sun
## 291 2013-12-29	0	7.2	1.7	1.1	sun
## 292 2014-01-01	0	7.2	3.3	1.2	sun
## 293 2014-01-05	0	8.3	-0.5	3.7	sun
## 294 2014-01-13	0	10.6	10.0	7.1	sun
## 295 2014-01-14	0	11.1	7.2	1.3	sun
## 296 2014-01-15	0	11.1	5.6	2.5	sun
## 297 2014-01-16	0	6.7	4.4	2.7	sun
## 298 2014-01-17	0	5.6	2.8	2.3	sun
## 299 2014-01-18	0	9.4	0.6	2.2	sun
## 300 2014-01-19	0	6.1	3.3	2.5	sun
## 301 2014-01-20	0	10.0	2.8	2.2	sun
## 302 2014-01-21	0	10.0	1.7	1.5	sun
## 303 2014-01-24	0	12.8	1.1	1.9	sun
## 304 2014-01-25	0	12.2	1.1	0.8	sun
## 305 2014-01-26	0	8.3	0.6	1.3	sun

## 306 2014-01-27	0	9.4	1.7	1.3	sun
## 307 2014-01-30	0	8.3	6.1	6.4	sun
## 308 2014-02-02	0	8.9	1.1	2.5	sun
## 309 2014-02-03	0	5.0	0.0	4.3	sun
## 310 2014-02-04	0	2.8	-2.1	4.7	sun
## 311 2014-02-05	0	-0.5	-5.5	6.6	sun
## 312 2014-02-06	0	-1.6	-6.0	4.5	sun
## 313 2014-02-07	0	3.3	-4.9	4.2	sun
## 314 2014-02-26	0	13.9	5.6	2.5	sun
## 315 2014-02-27	0	12.8	4.4	2.3	sun
## 316 2014-02-28	0	14.4	4.4	5.9	sun
## 317 2014-03-07	0	15.6	8.9	4.2	sun
## 318 2014-03-18	0	10.0	3.3	1.6	sun
## 319 2014-03-20	0	11.1	1.7	3.0	sun
## 320 2014-03-21	0	10.6	2.8	3.8	sun
## 321 2014-03-22	0	11.1	1.1	1.8	sun
## 322 2014-03-23	0	12.8	4.4	3.3	sun
## 323 2014-03-24	0	18.9	2.8	2.2	sun
## 324 2014-03-30	0	11.1	5.0	5.1	sun
## 325 2014-03-31	0	15.6	2.2	3.8	sun
## 326 2014-04-01	0	14.4	6.7	2.8	sun
## 327 2014-04-02	0	14.4	5.6	4.2	sun
## 328 2014-04-04	0	12.8	6.1	4.7	sun
## 329 2014-04-06	0	13.9	8.3	2.6	sun
## 330 2014-04-07	0	21.1	9.4	2.5	sun
## 331 2014-04-09	0	14.4	6.7	2.9	sun
## 332 2014-04-10	0	15.0	6.7	3.6	sun
## 333 2014-04-11	0	17.2	5.0	2.8	sun
## 334 2014-04-12	0	16.1	7.8	4.4	sun
## 335 2014-04-13	0	20.6	5.6	3.1	sun
## 336 2014-04-14	0	20.0	5.6	2.6	sun
## 337 2014-04-18	0	14.4	5.6	3.8	sun
## 338 2014-04-20	0	15.6	5.6	2.7	sun
## 339 2014-04-25	0	14.4	5.6	2.3	sun
## 340 2014-04-28	0	16.1	4.4	2.6	sun
## 341 2014-04-29	0	25.0	9.4	2.3	sun
## 342 2014-04-30	0	27.8	9.4	3.9	sun
## 343 2014-05-01	0	29.4	11.1	3.0	sun
## 344 2014-05-02	0	18.3	10.6	4.7	sun
## 345 2014-05-06	0	16.7	8.3	2.6	sun
## 346 2014-05-07	0	18.3	7.2	1.7	sun
## 347 2014-05-11	0	18.9	8.3	1.7	sun
## 348 2014-05-12	0	24.4	9.4	2.7	sun
## 349 2014-05-13	0	26.7	12.8	3.8	sun
## 350 2014-05-14	0	27.8	13.3	3.3	sun
## 351 2014-05-15	0	26.7	12.8	3.0	sun
## 352 2014-05-16	0	20.0	11.7	4.1	sun
## 353 2014-05-17	0	20.0	11.7	3.2	sun
## 354 2014-05-18	0	20.0	10.6	3.2	sun
## 355 2014-05-19	0	21.1	10.0	2.2	sun
## 356 2014-05-20	0	22.2	10.0	2.7	sun
## 357 2014-05-21	0	20.0	10.6	1.7	sun
## 358 2014-05-22	0	24.4	11.7	2.5	sun
## 359 2014-05-24	0	18.3	11.1	2.4	sun
## 360 2014-05-26	0	18.3	11.1	4.5	sun
## 361 2014-05-27	0	20.0	10.0	2.5	sun
## 362 2014-05-28	0	18.9	10.0	3.4	sun
## 363 2014-05-29	0	18.9	11.1	4.3	sun

## 364 2014-05-30	0	20.6	8.9	4.5	sun
## 365 2014-05-31	0	23.3	10.0	2.2	sun
## 366 2014-06-01	0	22.2	10.6	2.3	sun
## 367 2014-06-02	0	23.3	11.1	2.4	sun
## 368 2014-06-03	0	18.3	11.1	3.2	sun
## 369 2014-06-04	0	19.4	10.0	2.6	sun
## 370 2014-06-05	0	22.2	10.0	2.4	sun
## 371 2014-06-06	0	25.0	10.6	3.2	sun
## 372 2014-06-07	0	24.4	13.3	3.1	sun
## 373 2014-06-08	0	23.3	12.2	2.1	sun
## 374 2014-06-09	0	21.1	13.3	3.6	sun
## 375 2014-06-10	0	20.0	12.2	2.9	sun
## 376 2014-06-11	0	23.9	11.1	2.7	sun
## 377 2014-06-14	0	17.8	11.7	3.2	sun
## 378 2014-06-18	0	18.9	11.1	2.7	sun
## 379 2014-06-21	0	22.2	10.6	3.6	sun
## 380 2014-06-22	0	25.0	11.1	2.7	sun
## 381 2014-06-23	0	25.0	13.3	2.5	sun
## 382 2014-06-24	0	24.4	14.4	2.5	sun
## 383 2014-06-25	0	26.1	13.9	2.4	sun
## 384 2014-06-26	0	21.1	14.4	4.1	sun
## 385 2014-06-29	0	20.6	12.8	3.2	sun
## 386 2014-06-30	0	25.6	12.8	4.4	sun
## 387 2014-07-01	0	34.4	15.6	3.5	sun
## 388 2014-07-02	0	27.2	14.4	3.6	sun
## 389 2014-07-03	0	21.7	13.9	3.1	sun
## 390 2014-07-04	0	23.9	13.9	3.6	sun
## 391 2014-07-06	0	28.9	15.0	3.0	sun
## 392 2014-07-08	0	30.0	15.6	3.5	sun
## 393 2014-07-09	0	26.7	13.9	2.3	sun
## 394 2014-07-11	0	31.1	15.0	2.2	sun
## 395 2014-07-12	0	32.2	16.7	2.2	sun
## 396 2014-07-13	0	29.4	15.0	2.6	sun
## 397 2014-07-14	0	27.8	15.0	2.8	sun
## 398 2014-07-15	0	31.1	13.9	2.3	sun
## 399 2014-07-16	0	31.1	14.4	2.4	sun
## 400 2014-07-17	0	26.7	13.9	3.7	sun
## 401 2014-07-18	0	23.9	11.7	2.8	sun
## 402 2014-07-20	0	19.4	14.4	2.8	sun
## 403 2014-07-21	0	23.9	13.3	2.2	sun
## 404 2014-07-24	0	20.6	12.8	4.7	sun
## 405 2014-07-25	0	22.8	12.2	2.7	sun
## 406 2014-07-26	0	26.1	13.3	3.6	sun
## 407 2014-07-27	0	28.3	15.0	4.1	sun
## 408 2014-07-28	0	30.6	15.0	3.7	sun
## 409 2014-07-29	0	30.0	15.6	2.8	sun
## 410 2014-07-30	0	29.4	14.4	3.4	sun
## 411 2014-07-31	0	30.6	17.8	4.1	sun
## 412 2014-08-01	0	28.9	15.0	3.3	sun
## 413 2014-08-03	0	31.7	14.4	2.6	sun
## 414 2014-08-04	0	32.8	16.1	2.6	sun
## 415 2014-08-05	0	25.0	13.9	2.7	sun
## 416 2014-08-08	0	25.6	13.3	2.9	sun
## 417 2014-08-09	0	27.2	15.6	4.1	sun
## 418 2014-08-10	0	30.6	13.9	3.4	sun
## 419 2014-08-14	0	21.1	17.2	0.6	sun
## 420 2014-08-16	0	25.6	15.6	2.2	sun
## 421 2014-08-17	0	27.8	15.0	2.8	sun

## 422 2014-08-18	0	29.4	15.6	3.3	sun
## 423 2014-08-19	0	27.2	15.6	2.4	sun
## 424 2014-08-20	0	21.7	13.9	3.6	sun
## 425 2014-08-21	0	21.1	11.1	1.7	sun
## 426 2014-08-22	0	23.9	13.3	2.9	sun
## 427 2014-08-23	0	27.8	13.9	2.0	sun
## 428 2014-08-24	0	25.0	13.3	2.3	sun
## 429 2014-08-25	0	28.9	14.4	2.0	sun
## 430 2014-08-26	0	31.1	15.6	1.8	sun
## 431 2014-08-27	0	28.9	16.1	1.6	sun
## 432 2014-08-28	0	23.3	14.4	2.3	sun
## 433 2014-08-29	0	22.8	15.0	3.4	sun
## 434 2014-09-01	0	23.3	12.8	2.5	sun
## 435 2014-09-03	0	20.6	12.8	2.7	sun
## 436 2014-09-06	0	32.2	15.0	2.9	sun
## 437 2014-09-07	0	28.3	13.3	2.1	sun
## 438 2014-09-08	0	21.1	13.3	2.8	sun
## 439 2014-09-09	0	21.7	13.3	2.3	sun
## 440 2014-09-10	0	22.2	12.2	3.9	sun
## 441 2014-09-11	0	24.4	12.8	5.3	sun
## 442 2014-09-12	0	24.4	12.8	5.9	sun
## 443 2014-09-13	0	28.3	10.0	4.2	sun
## 444 2014-09-14	0	30.0	11.7	1.8	sun
## 445 2014-09-15	0	30.6	12.2	1.2	sun
## 446 2014-09-16	0	22.2	13.9	2.8	sun
## 447 2014-09-19	0	23.9	16.1	2.8	sun
## 448 2014-09-21	0	26.1	12.8	3.0	sun
## 449 2014-09-30	0	19.4	12.2	2.6	sun
## 450 2014-10-01	0	18.3	11.1	2.1	sun
## 451 2014-10-02	0	19.4	10.0	2.0	sun
## 452 2014-10-03	0	22.2	8.9	1.0	sun
## 453 2014-10-04	0	21.7	12.2	1.2	sun
## 454 2014-10-12	0	17.8	11.7	2.1	sun
## 455 2014-10-16	0	20.6	11.1	3.3	sun
## 456 2014-10-19	0	22.2	12.8	3.2	sun
## 457 2014-11-07	0	14.4	7.2	2.3	sun
## 458 2014-11-10	0	11.1	5.6	3.9	sun
## 459 2014-11-11	0	7.8	1.1	7.7	sun
## 460 2014-11-12	0	6.7	0.0	7.6	sun
## 461 2014-11-13	0	7.2	0.6	4.7	sun
## 462 2014-11-14	0	7.2	-2.1	4.5	sun
## 463 2014-11-15	0	8.3	-1.6	4.2	sun
## 464 2014-11-16	0	9.4	-2.1	4.2	sun
## 465 2014-11-17	0	10.6	-2.1	1.9	sun
## 466 2014-11-18	0	7.2	-0.5	0.9	sun
## 467 2014-11-19	0	11.1	2.2	1.9	sun
## 468 2014-11-30	0	2.8	-4.9	4.4	sun
## 469 2014-12-01	0	4.4	-3.2	2.2	sun
## 470 2014-12-03	0	10.0	0.0	3.6	sun
## 471 2014-12-07	0	14.4	6.1	2.8	sun
## 472 2014-12-12	0	11.1	7.2	3.7	sun
## 473 2014-12-15	0	12.2	6.7	5.9	sun
## 474 2014-12-16	0	10.0	8.3	4.0	sun
## 475 2014-12-21	0	12.8	10.0	5.2	sun
## 476 2014-12-22	0	10.6	6.1	1.5	sun
## 477 2014-12-30	0	3.3	-2.1	3.6	sun
## 478 2014-12-31	0	3.3	-2.7	3.0	sun
## 479 2015-01-01	0	5.6	-3.2	1.2	sun



## 480 2015-01-29	0	12.2	3.3	2.9	sun
## 481 2015-02-15	0	12.2	3.9	4.8	sun
## 482 2015-02-17	0	16.1	4.4	4.0	sun
## 483 2015-02-18	0	12.2	4.4	2.6	sun
## 484 2015-02-21	0	12.2	5.6	4.5	sun
## 485 2015-02-22	0	11.7	3.3	4.2	sun
## 486 2015-02-23	0	12.8	0.6	1.4	sun
## 487 2015-02-24	0	11.1	2.2	1.5	sun
## 488 2015-02-28	0	12.2	3.3	5.1	sun
## 489 2015-03-01	0	11.1	1.1	2.2	sun
## 490 2015-03-02	0	11.1	4.4	4.8	sun
## 491 2015-03-03	0	10.6	0.0	2.1	sun
## 492 2015-03-04	0	12.8	-0.5	1.8	sun
## 493 2015-03-05	0	13.3	2.8	1.3	sun
## 494 2015-03-06	0	15.0	3.3	1.4	sun
## 495 2015-03-12	0	17.8	9.4	3.2	sun
## 496 2015-03-18	0	15.6	7.2	2.5	sun
## 497 2015-03-19	0	15.6	8.3	1.9	sun
## 498 2015-03-26	0	20.6	10.0	2.2	sun
## 499 2015-03-28	0	15.6	9.4	5.7	sun
## 500 2015-03-29	0	15.6	8.9	3.0	sun
## 501 2015-04-02	0	13.3	5.6	2.4	sun
## 502 2015-04-04	0	12.8	3.9	1.7	sun
## 503 2015-04-05	0	16.7	2.8	2.4	sun
## 504 2015-04-08	0	17.2	6.1	1.7	sun
## 505 2015-04-09	0	17.2	6.1	2.3	sun
## 506 2015-04-11	0	11.7	5.6	6.5	sun
## 507 2015-04-12	0	13.3	5.6	3.6	sun
## 508 2015-04-15	0	13.9	3.3	2.4	sun
## 509 2015-04-16	0	17.8	3.9	3.1	sun
## 510 2015-04-17	0	18.9	6.1	3.6	sun
## 511 2015-04-18	0	18.9	8.3	3.9	sun
## 512 2015-04-19	0	21.1	8.3	3.6	sun
## 513 2015-04-20	0	22.8	7.8	2.6	sun
## 514 2015-04-22	0	15.6	5.0	2.3	sun
## 515 2015-04-29	0	16.1	7.2	4.7	sun
## 516 2015-04-30	0	17.2	7.8	2.1	sun
## 517 2015-05-01	0	18.3	8.9	3.7	sun
## 518 2015-05-02	0	18.3	7.8	3.7	sun
## 519 2015-05-03	0	20.6	7.8	2.6	sun
## 520 2015-05-04	0	17.2	7.2	5.2	sun
## 521 2015-05-07	0	20.6	6.1	3.0	sun
## 522 2015-05-08	0	23.9	8.3	3.0	sun
## 523 2015-05-09	0	26.7	9.4	2.6	sun
## 524 2015-05-10	0	19.4	11.1	2.8	sun
## 525 2015-05-16	0	15.6	11.1	3.0	sun
## 526 2015-05-17	0	19.4	10.6	2.1	sun
## 527 2015-05-18	0	25.6	12.2	3.0	sun
## 528 2015-05-19	0	21.7	11.7	2.6	sun
## 529 2015-05-21	0	25.6	11.7	2.1	sun
## 530 2015-05-22	0	16.7	11.7	3.7	sun
## 531 2015-05-23	0	16.1	11.7	2.6	sun
## 532 2015-05-24	0	17.8	11.1	2.7	sun
## 533 2015-05-25	0	15.6	11.1	2.7	sun
## 534 2015-05-26	0	21.7	11.7	2.1	sun
## 535 2015-05-27	0	24.4	11.7	1.8	sun
## 536 2015-05-28	0	27.8	12.2	2.1	sun
## 537 2015-05-29	0	26.1	12.8	2.5	sun

## 538 2015-05-30	0	22.8	10.0	2.5	sun
## 539 2015-05-31	0	25.0	11.7	2.2	sun
## 540 2015-06-03	0	20.0	11.7	3.0	sun
## 541 2015-06-04	0	22.8	11.7	3.9	sun
## 542 2015-06-05	0	26.7	12.8	4.3	sun
## 543 2015-06-06	0	29.4	13.3	2.6	sun
## 544 2015-06-07	0	31.1	15.6	3.2	sun
## 545 2015-06-08	0	30.6	14.4	3.5	sun
## 546 2015-06-09	0	28.9	14.4	2.7	sun
## 547 2015-06-10	0	25.6	11.1	3.0	sun
## 548 2015-06-11	0	24.4	11.1	3.5	sun
## 549 2015-06-12	0	20.0	11.7	2.3	sun
## 550 2015-06-13	0	23.9	9.4	2.6	sun
## 551 2015-06-14	0	27.8	11.7	3.7	sun
## 552 2015-06-16	0	22.8	11.1	3.0	sun
## 553 2015-06-17	0	25.0	11.1	3.1	sun
## 554 2015-06-18	0	24.4	13.9	3.0	sun
## 555 2015-06-20	0	25.0	12.8	4.3	sun
## 556 2015-06-21	0	25.6	13.9	3.4	sun
## 557 2015-06-22	0	25.0	12.8	2.4	sun
## 558 2015-06-23	0	26.1	11.7	2.4	sun
## 559 2015-06-24	0	25.6	16.1	2.6	sun
## 560 2015-06-25	0	30.6	15.6	3.0	sun
## 561 2015-06-26	0	31.7	17.8	4.7	sun
## 562 2015-06-27	0	33.3	17.2	3.9	sun
## 563 2015-06-29	0	28.9	17.2	2.7	sun
## 564 2015-07-01	0	32.2	17.2	4.3	sun
## 565 2015-07-02	0	33.9	17.8	3.4	sun
## 566 2015-07-03	0	33.3	17.8	2.6	sun
## 567 2015-07-04	0	33.3	15.0	2.9	sun
## 568 2015-07-05	0	32.8	16.7	2.1	sun
## 569 2015-07-07	0	27.2	13.9	2.4	sun
## 570 2015-07-09	0	28.9	14.4	3.4	sun
## 571 2015-07-10	0	21.1	16.7	3.7	sun
## 572 2015-07-11	0	22.2	16.7	3.0	sun
## 573 2015-07-12	0	26.1	16.7	2.2	sun
## 574 2015-07-13	0	25.6	16.1	3.1	sun
## 575 2015-07-14	0	27.8	16.1	3.3	sun
## 576 2015-07-15	0	26.1	14.4	3.2	sun
## 577 2015-07-16	0	26.1	15.0	2.8	sun
## 578 2015-07-17	0	27.8	13.9	3.3	sun
## 579 2015-07-18	0	33.3	17.8	3.4	sun
## 580 2015-07-19	0	35.0	17.2	3.3	sun
## 581 2015-07-20	0	26.7	16.7	3.9	sun
## 582 2015-07-21	0	23.9	15.0	2.4	sun
## 583 2015-07-22	0	23.9	13.9	2.8	sun
## 584 2015-07-23	0	26.1	14.4	1.9	sun
## 585 2015-07-28	0	27.8	13.9	3.4	sun
## 586 2015-07-29	0	32.2	14.4	3.8	sun
## 587 2015-07-30	0	34.4	17.2	3.5	sun
## 588 2015-07-31	0	34.4	17.8	2.6	sun
## 589 2015-08-01	0	33.3	15.6	3.1	sun
## 590 2015-08-02	0	30.6	16.1	2.0	sun
## 591 2015-08-03	0	28.3	17.2	2.3	sun
## 592 2015-08-05	0	23.3	12.2	3.5	sun
## 593 2015-08-06	0	25.0	15.0	2.9	sun
## 594 2015-08-07	0	28.3	15.6	3.7	sun
## 595 2015-08-09	0	28.3	15.0	2.2	sun

```

## 596 2015-08-10      0  28.9  16.1  2.4  sun
## 597 2015-08-11      0  30.0  16.7  4.4  sun
## 598 2015-08-13      0  28.3  15.6  2.2  sun
## 599 2015-08-15      0  21.7  13.9  3.7  sun
## 600 2015-08-16      0  25.0  14.4  3.7  sun
## 601 2015-08-17      0  27.2  13.9  3.0  sun
## 602 2015-08-18      0  30.0  15.0  3.0  sun
## 603 2015-08-21      0  22.2  14.4  2.6  sun
## 604 2015-08-24      0  23.9  12.2  2.3  sun
## 605 2015-08-25      0  25.6  12.2  3.4  sun
## 606 2015-08-26      0  28.3  13.9  1.7  sun
## 607 2015-08-27      0  29.4  14.4  2.1  sun
## 608 2015-08-31      0  18.9  16.1  5.8  sun
## 609 2015-09-02      0  19.4  11.1  3.8  sun
## 610 2015-09-03      0  18.3  10.6  2.9  sun
## 611 2015-09-04      0  18.3  10.0  2.9  sun
## 612 2015-09-08      0  22.8  13.3  2.4  sun
## 613 2015-09-09      0  24.4  13.9  3.3  sun
## 614 2015-09-11      0  27.2  15.0  3.1  sun
## 615 2015-09-12      0  26.7  14.4  2.1  sun
## 616 2015-09-14      0  16.7  10.6  3.4  sun
## 617 2015-09-15      0  17.8  10.0  2.8  sun
## 618 2015-09-18      0  19.4  12.8  2.6  sun
## 619 2015-09-19      0  21.1  14.4  4.3  sun
## 620 2015-09-22      0  18.9   7.8  2.0  sun
## 621 2015-09-23      0  20.6   8.3  1.8  sun
## 622 2015-09-26      0  18.3  10.0  2.7  sun
## 623 2015-09-27      0  17.8   7.2  3.8  sun
## 624 2015-09-28      0  21.1   9.4  5.1  sun
## 625 2015-09-29      0  21.7   8.9  1.9  sun
## 626 2015-10-03      0  19.4  11.1  4.8  sun
## 627 2015-10-04      0  22.8  10.0  3.7  sun
## 628 2015-10-05      0  23.3   9.4  1.6  sun
## 629 2015-10-11      0  17.8  10.6  2.6  sun
## 630 2015-10-16      0  20.0   8.9  1.3  sun
## 631 2015-11-04      0  10.0   3.3  2.2  sun
## 632 2015-11-21      0   8.9   0.6  4.7  sun
## 633 2015-11-25      0   7.2   0.0  5.7  sun
## 634 2015-11-26      0   9.4  -1.0  4.3  sun
## 635 2015-11-27      0   9.4  -1.6  3.0  sun
## 636 2015-11-28      0   7.2  -2.7  1.0  sun
## 637 2015-12-14      0   7.8   1.7  1.7  sun
## 638 2015-12-26      0   4.4   0.0  2.5  sun
## 639 2015-12-30      0   5.6  -1.0  3.4  sun
## 640 2015-12-31      0   5.6  -2.1  3.5  sun

```

```

filt3 = filter(data,weather=="rain")
filt3

```

```

##      date precipitation temp_max temp_min wind weather
## 1 2012-01-02      10.9    10.6     2.8 4.5   rain
## 2 2012-01-03       0.8    11.7     7.2 2.3   rain
## 3 2012-01-04      20.3    12.2     5.6 4.7   rain
## 4 2012-01-05       1.3     8.9     2.8 6.1   rain
## 5 2012-01-06       2.5     4.4     2.2 2.2   rain
## 6 2012-01-07       0.0     7.2     2.8 2.3   rain
## 7 2012-01-09       4.3     9.4     5.0 3.4   rain
## 8 2012-01-10       1.0     6.1     0.6 3.4   rain
## 9 2012-01-21       3.0     8.3     3.3 8.2   rain

```

## 10	2012-01-22	6.1	6.7	2.2	4.8	rain
## 11	2012-01-23	0.0	8.3	1.1	3.6	rain
## 12	2012-01-24	8.6	10.0	2.2	5.1	rain
## 13	2012-01-25	8.1	8.9	4.4	5.4	rain
## 14	2012-01-26	4.8	8.9	1.1	4.8	rain
## 15	2012-01-28	0.0	6.7	0.6	2.2	rain
## 16	2012-01-29	27.7	9.4	3.9	4.5	rain
## 17	2012-01-30	3.6	8.3	6.1	5.1	rain
## 18	2012-01-31	1.8	9.4	6.1	3.9	rain
## 19	2012-02-01	13.5	8.9	3.3	2.7	rain
## 20	2012-02-07	0.3	15.6	7.8	5.3	rain
## 21	2012-02-08	2.8	10.0	5.0	2.7	rain
## 22	2012-02-09	2.5	11.1	7.8	2.4	rain
## 23	2012-02-10	2.5	12.8	6.7	3.0	rain
## 24	2012-02-11	0.8	8.9	5.6	3.4	rain
## 25	2012-02-12	1.0	8.3	5.0	1.3	rain
## 26	2012-02-13	11.4	7.2	4.4	1.4	rain
## 27	2012-02-14	2.5	6.7	1.1	3.1	rain
## 28	2012-02-16	1.8	7.2	3.3	2.1	rain
## 29	2012-02-17	17.3	10.0	4.4	3.4	rain
## 30	2012-02-18	6.4	6.7	3.9	8.1	rain
## 31	2012-02-20	3.0	7.8	1.7	2.9	rain
## 32	2012-02-21	0.8	10.0	7.8	7.5	rain
## 33	2012-02-22	8.6	10.0	2.8	5.9	rain
## 34	2012-02-24	11.4	6.7	4.4	3.5	rain
## 35	2012-02-25	0.0	7.2	2.8	6.4	rain
## 36	2012-03-02	2.0	6.7	3.9	5.1	rain
## 37	2012-03-04	0.0	10.6	6.7	5.6	rain
## 38	2012-03-05	6.9	7.8	1.1	6.2	rain
## 39	2012-03-09	3.6	9.4	5.0	2.8	rain
## 40	2012-03-10	10.4	7.2	6.1	3.4	rain
## 41	2012-03-11	13.7	6.7	2.8	5.8	rain
## 42	2012-03-14	8.6	7.8	1.1	4.7	rain
## 43	2012-03-16	8.4	8.9	3.9	5.1	rain
## 44	2012-03-18	3.6	5.0	-0.6	2.7	rain
## 45	2012-03-19	2.0	7.2	-1.1	3.0	rain
## 46	2012-03-20	3.6	7.8	2.2	6.4	rain
## 47	2012-03-21	1.3	8.9	1.1	2.5	rain
## 48	2012-03-22	4.1	10.0	1.7	2.1	rain
## 49	2012-03-25	0.0	13.3	2.2	2.7	rain
## 50	2012-03-27	4.8	14.4	6.7	3.8	rain
## 51	2012-03-28	1.3	10.6	7.2	5.9	rain
## 52	2012-03-29	27.4	10.0	6.1	4.4	rain
## 53	2012-03-30	5.6	9.4	5.0	4.7	rain
## 54	2012-03-31	13.2	10.0	2.8	3.4	rain
## 55	2012-04-01	1.5	8.9	4.4	6.8	rain
## 56	2012-04-03	1.5	11.7	3.3	3.1	rain
## 57	2012-04-06	0.3	11.1	3.3	2.6	rain
## 58	2012-04-10	0.0	17.8	8.9	3.2	rain
## 59	2012-04-11	2.3	11.1	7.2	2.6	rain
## 60	2012-04-12	0.5	13.9	5.6	2.6	rain
## 61	2012-04-15	0.0	16.1	7.2	2.9	rain
## 62	2012-04-16	8.1	13.3	6.7	5.8	rain
## 63	2012-04-17	1.8	10.0	4.4	2.0	rain
## 64	2012-04-18	1.8	13.3	7.2	3.9	rain
## 65	2012-04-19	10.9	13.9	5.0	2.6	rain
## 66	2012-04-20	6.6	13.3	6.7	2.7	rain
## 67	2012-04-22	0.0	23.3	8.3	2.6	rain

## 68	2012-04-24	4.3	13.9	10.0	2.8	rain
## 69	2012-04-25	10.7	16.7	8.9	2.6	rain
## 70	2012-04-26	3.8	13.9	6.7	5.2	rain
## 71	2012-04-27	0.8	13.3	6.1	4.8	rain
## 72	2012-04-29	4.3	15.6	8.9	1.6	rain
## 73	2012-04-30	4.3	12.8	7.2	8.0	rain
## 74	2012-05-01	0.5	11.7	6.1	6.4	rain
## 75	2012-05-02	0.5	13.3	5.6	2.5	rain
## 76	2012-05-03	18.5	11.1	7.2	3.4	rain
## 77	2012-05-04	1.8	12.2	6.1	4.6	rain
## 78	2012-05-09	0.0	13.3	6.7	3.9	rain
## 79	2012-05-17	0.0	17.8	6.7	2.9	rain
## 80	2012-05-18	0.0	15.6	7.8	3.1	rain
## 81	2012-05-20	6.4	14.4	11.7	1.3	rain
## 82	2012-05-21	14.0	16.7	10.0	4.0	rain
## 83	2012-05-22	6.1	12.8	8.9	4.8	rain
## 84	2012-05-23	0.3	14.4	8.9	6.3	rain
## 85	2012-05-24	0.0	17.2	8.9	3.3	rain
## 86	2012-05-25	0.0	22.2	8.9	3.1	rain
## 87	2012-05-28	0.0	16.7	10.0	3.4	rain
## 88	2012-05-30	0.3	18.9	11.1	1.5	rain
## 89	2012-05-31	3.8	17.8	12.2	2.7	rain
## 90	2012-06-01	6.6	20.0	12.8	3.7	rain
## 91	2012-06-02	0.3	18.9	10.6	3.7	rain
## 92	2012-06-04	1.3	12.8	8.9	3.1	rain
## 93	2012-06-05	16.0	13.3	8.3	3.3	rain
## 94	2012-06-07	16.5	16.1	8.9	3.5	rain
## 95	2012-06-08	1.5	15.0	8.3	3.0	rain
## 96	2012-06-09	0.0	17.2	8.3	4.7	rain
## 97	2012-06-11	0.0	23.3	10.0	1.8	rain
## 98	2012-06-12	0.8	18.3	12.8	3.9	rain
## 99	2012-06-16	0.0	21.1	15.0	4.1	rain
## 100	2012-06-18	3.0	17.2	10.0	3.8	rain
## 101	2012-06-19	1.0	19.4	10.0	3.0	rain
## 102	2012-06-22	15.7	13.9	11.7	1.9	rain
## 103	2012-06-23	8.6	15.6	9.4	2.5	rain
## 104	2012-06-25	0.5	19.4	11.1	3.1	rain
## 105	2012-06-26	0.0	18.3	10.6	3.4	rain
## 106	2012-06-28	0.0	22.2	11.7	2.5	rain
## 107	2012-06-29	0.3	21.7	15.0	1.9	rain
## 108	2012-06-30	3.0	20.0	13.3	2.4	rain
## 109	2012-07-01	0.0	20.0	12.2	2.3	rain
## 110	2012-07-02	2.0	18.9	11.7	2.1	rain
## 111	2012-07-03	5.8	18.3	10.6	6.0	rain
## 112	2012-07-08	0.0	28.3	14.4	2.8	rain
## 113	2012-07-09	1.5	25.0	12.8	2.0	rain
## 114	2012-07-13	0.5	23.3	13.9	2.2	rain
## 115	2012-07-14	0.0	25.0	15.0	2.2	rain
## 116	2012-07-15	0.0	18.9	13.3	3.8	rain
## 117	2012-07-16	0.3	26.1	13.3	2.5	rain
## 118	2012-07-20	15.2	19.4	13.9	4.0	rain
## 119	2012-07-22	1.0	20.6	12.2	3.9	rain
## 120	2012-07-23	0.0	18.9	11.1	3.3	rain
## 121	2012-08-06	0.0	28.3	15.6	2.5	rain
## 122	2012-08-21	0.0	23.3	13.3	3.0	rain
## 123	2012-09-09	0.3	18.9	13.9	5.0	rain
## 124	2012-09-10	0.3	20.0	11.7	3.9	rain
## 125	2012-09-22	0.3	19.4	11.7	1.1	rain

## 126 2012-09-28	0.0	25.0	12.2	1.1	rain
## 127 2012-10-12	2.0	13.9	8.9	4.6	rain
## 128 2012-10-13	4.8	15.6	12.2	3.9	rain
## 129 2012-10-14	16.5	17.8	13.3	3.4	rain
## 130 2012-10-15	7.9	17.2	11.1	4.6	rain
## 131 2012-10-18	20.8	17.8	6.7	2.0	rain
## 132 2012-10-19	4.8	15.0	9.4	5.3	rain
## 133 2012-10-20	0.5	11.1	6.1	5.7	rain
## 134 2012-10-21	6.4	11.7	4.4	2.7	rain
## 135 2012-10-22	8.9	7.8	3.3	2.6	rain
## 136 2012-10-23	0.0	11.1	5.6	3.0	rain
## 137 2012-10-24	7.1	11.7	6.1	2.1	rain
## 138 2012-10-26	1.5	11.1	7.2	2.5	rain
## 139 2012-10-27	23.1	14.4	9.4	5.1	rain
## 140 2012-10-28	6.1	14.4	10.0	3.8	rain
## 141 2012-10-29	10.9	15.6	10.0	4.9	rain
## 142 2012-10-30	34.5	15.0	12.2	2.8	rain
## 143 2012-10-31	14.5	15.6	11.1	2.7	rain
## 144 2012-11-01	9.7	15.0	10.6	3.0	rain
## 145 2012-11-02	5.6	15.0	10.6	1.0	rain
## 146 2012-11-03	0.5	15.6	11.1	3.6	rain
## 147 2012-11-04	8.1	17.8	12.8	3.8	rain
## 148 2012-11-05	0.8	15.0	7.8	4.0	rain
## 149 2012-11-06	0.3	12.8	6.7	3.5	rain
## 150 2012-11-07	0.0	12.2	3.9	3.4	rain
## 151 2012-11-08	0.0	10.0	1.1	3.4	rain
## 152 2012-11-09	0.0	8.9	1.1	2.0	rain
## 153 2012-11-11	15.2	8.9	1.1	3.0	rain
## 154 2012-11-12	3.6	12.8	6.1	3.0	rain
## 155 2012-11-13	5.3	11.1	7.8	2.5	rain
## 156 2012-11-14	0.8	11.1	5.0	2.6	rain
## 157 2012-11-16	5.6	9.4	2.2	1.6	rain
## 158 2012-11-17	6.1	12.2	6.1	5.3	rain
## 159 2012-11-18	7.9	10.0	6.1	4.9	rain
## 160 2012-11-19	54.1	13.3	8.3	6.0	rain
## 161 2012-11-20	3.8	11.1	7.2	4.2	rain
## 162 2012-11-21	11.2	8.3	3.9	5.5	rain
## 163 2012-11-22	0.0	8.9	2.8	1.5	rain
## 164 2012-11-23	32.0	9.4	6.1	2.4	rain
## 165 2012-11-24	0.0	8.9	3.9	1.2	rain
## 166 2012-11-28	2.8	9.4	2.2	2.9	rain
## 167 2012-11-29	1.5	12.8	7.8	4.2	rain
## 168 2012-11-30	35.6	15.0	7.8	4.6	rain
## 169 2012-12-01	4.1	13.3	8.3	5.5	rain
## 170 2012-12-02	19.6	8.3	7.2	6.2	rain
## 171 2012-12-03	13.0	9.4	7.2	4.4	rain
## 172 2012-12-04	14.2	11.7	7.2	6.2	rain
## 173 2012-12-05	1.5	8.9	4.4	5.0	rain
## 174 2012-12-06	1.5	7.2	6.1	5.1	rain
## 175 2012-12-07	1.0	7.8	3.3	4.6	rain
## 176 2012-12-09	1.5	6.7	2.8	2.1	rain
## 177 2012-12-10	0.5	7.2	5.6	1.8	rain
## 178 2012-12-11	3.0	7.8	5.6	4.5	rain
## 179 2012-12-12	8.1	6.7	4.4	2.0	rain
## 180 2012-12-13	2.3	7.2	3.3	2.8	rain
## 181 2012-12-14	7.9	6.1	1.1	1.7	rain
## 182 2012-12-17	2.0	8.3	1.7	9.5	rain
## 183 2012-12-20	13.2	7.2	0.6	3.7	rain

## 184 2012-12-21	1.8	8.3	-1.7	1.7	rain
## 185 2012-12-22	3.3	8.3	3.9	3.5	rain
## 186 2012-12-23	6.6	7.2	3.3	2.5	rain
## 187 2012-12-24	0.3	5.6	2.8	2.8	rain
## 188 2012-12-26	4.6	6.7	3.3	4.9	rain
## 189 2012-12-27	4.1	7.8	3.3	3.2	rain
## 190 2012-12-28	0.0	8.3	3.9	1.7	rain
## 191 2012-12-29	1.5	5.0	3.3	1.7	rain
## 192 2013-01-03	4.1	6.7	-1.7	3.0	rain
## 193 2013-01-04	2.5	10.0	2.2	2.8	rain
## 194 2013-01-05	3.0	6.7	4.4	3.1	rain
## 195 2013-01-06	2.0	7.2	2.8	3.0	rain
## 196 2013-01-07	2.3	10.0	4.4	7.3	rain
## 197 2013-01-08	16.3	11.7	5.6	6.3	rain
## 198 2013-01-09	38.4	10.0	1.7	5.1	rain
## 199 2013-01-23	5.1	7.2	2.2	3.1	rain
## 200 2013-01-24	5.8	7.2	1.1	2.6	rain
## 201 2013-01-25	3.0	10.6	2.8	2.1	rain
## 202 2013-01-26	2.3	8.3	3.9	4.5	rain
## 203 2013-01-27	1.8	5.6	3.9	4.5	rain
## 204 2013-01-28	7.9	6.1	3.3	3.2	rain
## 205 2013-01-29	4.3	8.3	5.0	3.9	rain
## 206 2013-01-30	3.6	8.9	6.7	3.9	rain
## 207 2013-01-31	3.0	9.4	7.2	4.0	rain
## 208 2013-02-01	0.3	11.7	5.0	2.9	rain
## 209 2013-02-03	2.3	8.9	2.8	2.9	rain
## 210 2013-02-04	0.0	10.6	6.7	2.6	rain
## 211 2013-02-05	3.3	10.0	6.7	5.1	rain
## 212 2013-02-06	1.0	10.6	6.1	4.5	rain
## 213 2013-02-07	1.3	9.4	3.3	4.1	rain
## 214 2013-02-09	0.3	8.3	4.4	1.3	rain
## 215 2013-02-11	0.3	8.3	4.4	1.4	rain
## 216 2013-02-12	1.0	11.1	7.2	5.6	rain
## 217 2013-02-13	2.3	9.4	7.2	4.1	rain
## 218 2013-02-14	1.0	9.4	5.6	2.2	rain
## 219 2013-02-16	0.0	11.1	3.9	5.6	rain
## 220 2013-02-17	0.0	9.4	4.4	3.4	rain
## 221 2013-02-18	0.0	7.8	3.9	1.9	rain
## 222 2013-02-20	1.5	7.8	1.1	2.1	rain
## 223 2013-02-21	0.5	6.7	3.9	6.2	rain
## 224 2013-02-22	9.4	7.8	3.9	8.1	rain
## 225 2013-02-23	0.3	10.0	3.9	4.6	rain
## 226 2013-02-24	0.0	8.9	5.0	5.5	rain
## 227 2013-02-25	2.3	10.6	3.3	7.1	rain
## 228 2013-02-26	0.5	8.9	3.9	3.8	rain
## 229 2013-02-27	4.6	10.0	4.4	1.8	rain
## 230 2013-02-28	8.1	11.7	6.7	3.8	rain
## 231 2013-03-01	4.1	15.0	11.1	5.4	rain
## 232 2013-03-02	0.8	13.9	5.0	4.5	rain
## 233 2013-03-05	0.0	9.4	6.1	2.4	rain
## 234 2013-03-06	11.9	7.2	5.0	4.1	rain
## 235 2013-03-07	7.4	12.2	5.0	2.5	rain
## 236 2013-03-10	0.8	7.8	3.9	1.6	rain
## 237 2013-03-11	1.3	10.6	6.1	1.1	rain
## 238 2013-03-12	2.0	12.8	10.0	5.7	rain
## 239 2013-03-13	2.3	11.7	9.4	3.7	rain
## 240 2013-03-14	2.8	11.7	9.4	3.0	rain
## 241 2013-03-15	0.0	14.4	8.9	4.3	rain

## 242 2013-03-16	4.3	10.6	4.4	6.4	rain
## 243 2013-03-18	0.0	11.7	3.9	5.9	rain
## 244 2013-03-19	11.7	12.8	1.7	3.4	rain
## 245 2013-03-20	9.9	11.1	4.4	7.6	rain
## 246 2013-03-27	0.3	13.3	7.2	1.6	rain
## 247 2013-03-28	2.0	16.1	8.3	1.3	rain
## 248 2013-03-29	0.0	18.3	7.8	2.5	rain
## 249 2013-04-04	8.4	14.4	10.0	3.0	rain
## 250 2013-04-05	18.5	13.9	10.0	5.6	rain
## 251 2013-04-06	12.7	12.2	7.2	5.0	rain
## 252 2013-04-07	39.1	8.3	5.0	3.9	rain
## 253 2013-04-08	0.8	13.3	6.1	3.1	rain
## 254 2013-04-10	9.4	15.0	8.9	6.4	rain
## 255 2013-04-11	1.5	12.2	6.7	3.8	rain
## 256 2013-04-12	9.7	7.8	4.4	4.6	rain
## 257 2013-04-13	9.4	10.6	3.3	5.7	rain
## 258 2013-04-14	5.8	12.8	4.4	2.3	rain
## 259 2013-04-16	0.3	13.9	3.3	2.6	rain
## 260 2013-04-18	5.3	11.7	6.7	4.0	rain
## 261 2013-04-19	20.6	13.3	9.4	4.9	rain
## 262 2013-04-21	3.3	12.2	6.7	4.1	rain
## 263 2013-04-28	1.0	15.0	9.4	5.2	rain
## 264 2013-04-29	3.8	13.9	6.7	4.2	rain
## 265 2013-05-12	6.6	21.7	13.9	3.9	rain
## 266 2013-05-13	3.3	18.9	9.4	5.0	rain
## 267 2013-05-15	1.0	17.2	8.9	2.3	rain
## 268 2013-05-17	0.5	17.2	11.7	3.7	rain
## 269 2013-05-21	13.7	15.6	8.3	4.8	rain
## 270 2013-05-22	13.7	11.1	7.2	3.0	rain
## 271 2013-05-23	4.1	12.2	6.7	1.9	rain
## 272 2013-05-24	0.3	16.7	8.9	2.7	rain
## 273 2013-05-26	1.5	18.3	10.6	2.2	rain
## 274 2013-05-27	9.7	16.7	11.1	3.1	rain
## 275 2013-05-28	0.5	17.2	11.7	2.8	rain
## 276 2013-05-29	5.6	16.1	9.4	4.0	rain
## 277 2013-06-02	1.0	20.6	12.2	3.1	rain
## 278 2013-06-12	0.3	20.6	11.7	4.2	rain
## 279 2013-06-18	0.3	23.3	13.3	3.4	rain
## 280 2013-06-20	3.0	17.2	12.8	5.0	rain
## 281 2013-06-21	0.3	20.6	12.2	1.5	rain
## 282 2013-06-23	7.9	22.2	15.0	2.1	rain
## 283 2013-06-24	4.8	21.1	13.9	3.7	rain
## 284 2013-06-25	9.9	23.3	14.4	2.8	rain
## 285 2013-06-26	2.0	22.2	15.0	2.3	rain
## 286 2013-06-27	3.6	21.1	16.7	1.3	rain
## 287 2013-08-02	2.0	17.2	15.0	2.0	rain
## 288 2013-08-10	2.3	25.6	15.0	2.9	rain
## 289 2013-08-14	0.8	27.2	15.0	2.0	rain
## 290 2013-08-15	1.8	21.1	17.2	1.0	rain
## 291 2013-08-25	0.3	22.2	16.1	2.6	rain
## 292 2013-08-26	1.0	24.4	16.1	1.9	rain
## 293 2013-08-27	1.3	26.7	17.2	1.4	rain
## 294 2013-08-28	5.6	26.7	15.6	1.3	rain
## 295 2013-08-29	19.3	23.9	18.3	3.0	rain
## 296 2013-09-03	2.3	25.0	16.7	1.7	rain
## 297 2013-09-04	0.3	22.8	16.1	2.4	rain
## 298 2013-09-05	27.7	20.0	15.6	2.5	rain
## 299 2013-09-06	21.3	21.7	16.1	2.6	rain



## 300 2013-09-15	3.3	18.9	14.4	2.2	rain
## 301 2013-09-16	0.3	21.7	15.0	4.3	rain
## 302 2013-09-20	3.6	23.3	13.3	3.0	rain
## 303 2013-09-22	13.5	17.2	13.3	5.5	rain
## 304 2013-09-23	2.8	16.1	11.1	4.5	rain
## 305 2013-09-25	2.0	16.1	9.4	3.0	rain
## 306 2013-09-27	1.0	13.9	10.6	4.3	rain
## 307 2013-09-28	43.4	16.7	11.7	6.0	rain
## 308 2013-09-29	16.8	14.4	11.1	7.1	rain
## 309 2013-09-30	18.5	13.9	10.0	6.3	rain
## 310 2013-10-01	7.9	14.4	8.9	4.7	rain
## 311 2013-10-02	5.3	12.8	9.4	2.4	rain
## 312 2013-10-03	0.8	14.4	8.9	0.9	rain
## 313 2013-10-06	4.1	22.8	7.8	2.6	rain
## 314 2013-10-07	0.5	16.1	11.7	6.3	rain
## 315 2013-10-08	6.9	13.9	7.8	3.0	rain
## 316 2013-10-10	1.0	14.4	8.3	1.7	rain
## 317 2013-10-11	9.1	13.9	10.6	1.0	rain
## 318 2013-10-12	1.0	14.4	8.9	2.2	rain
## 319 2013-10-27	1.8	13.9	8.3	4.4	rain
## 320 2013-10-30	0.5	15.0	5.6	3.9	rain
## 321 2013-10-31	0.3	14.4	10.6	2.2	rain
## 322 2013-11-01	1.3	17.8	11.7	1.4	rain
## 323 2013-11-02	12.7	14.4	8.3	7.9	rain
## 324 2013-11-03	0.5	12.2	4.4	2.4	rain
## 325 2013-11-05	2.5	13.3	7.2	3.1	rain
## 326 2013-11-06	3.8	12.8	7.8	1.7	rain
## 327 2013-11-07	30.0	11.1	10.0	7.2	rain
## 328 2013-11-09	1.8	11.1	5.0	1.4	rain
## 329 2013-11-12	4.1	15.6	8.9	2.2	rain
## 330 2013-11-14	1.3	11.1	6.1	1.1	rain
## 331 2013-11-15	3.0	10.6	7.2	6.0	rain
## 332 2013-11-17	5.3	11.7	7.2	5.4	rain
## 333 2013-11-18	26.2	12.8	9.4	3.9	rain
## 334 2013-11-19	1.0	13.3	4.4	5.1	rain
## 335 2013-11-29	0.5	9.4	5.0	2.1	rain
## 336 2013-11-30	2.3	11.1	7.2	3.9	rain
## 337 2013-12-01	3.0	13.3	7.8	8.8	rain
## 338 2013-12-02	4.6	7.8	1.7	3.5	rain
## 339 2013-12-12	6.9	5.6	-0.5	2.3	rain
## 340 2013-12-13	0.5	9.4	5.6	2.9	rain
## 341 2013-12-15	1.3	11.7	8.3	3.9	rain
## 342 2013-12-16	0.3	10.0	4.4	1.0	rain
## 343 2013-12-18	1.3	7.8	2.2	2.8	rain
## 344 2013-12-21	5.6	8.9	5.6	2.3	rain
## 345 2013-12-22	10.7	10.6	8.3	4.0	rain
## 346 2013-12-23	1.5	11.7	6.1	5.9	rain
## 347 2013-12-27	0.3	8.9	0.0	2.1	rain
## 348 2013-12-30	0.3	8.9	4.4	2.6	rain
## 349 2013-12-31	0.5	8.3	5.0	1.7	rain
## 350 2014-01-02	4.1	10.6	6.1	3.2	rain
## 351 2014-01-03	1.5	8.9	2.8	2.6	rain
## 352 2014-01-06	0.3	7.8	-0.5	2.6	rain
## 353 2014-01-07	12.2	8.3	5.0	1.6	rain
## 354 2014-01-08	9.7	10.0	7.2	4.6	rain
## 355 2014-01-09	5.8	9.4	5.6	6.3	rain
## 356 2014-01-10	4.3	12.8	8.3	7.0	rain
## 357 2014-01-11	21.3	14.4	7.2	8.8	rain

## 358 2014-01-12	1.5	11.1	5.6	8.1	rain
## 359 2014-01-22	0.5	9.4	5.6	2.6	rain
## 360 2014-01-28	8.9	11.1	6.1	1.6	rain
## 361 2014-01-29	21.6	11.1	7.2	3.4	rain
## 362 2014-01-31	2.3	7.8	5.6	2.6	rain
## 363 2014-02-01	2.0	7.8	2.8	0.8	rain
## 364 2014-02-09	0.5	3.9	0.0	2.4	rain
## 365 2014-02-10	18.3	10.0	2.2	4.7	rain
## 366 2014-02-11	17.0	12.2	5.6	3.8	rain
## 367 2014-02-12	4.6	12.2	7.2	6.4	rain
## 368 2014-02-13	1.8	12.8	7.8	6.3	rain
## 369 2014-02-14	9.4	11.7	6.1	6.4	rain
## 370 2014-02-15	11.7	11.1	5.0	5.1	rain
## 371 2014-02-16	26.4	9.4	3.9	7.9	rain
## 372 2014-02-17	14.5	8.3	4.4	5.5	rain
## 373 2014-02-18	15.2	8.9	5.0	6.2	rain
## 374 2014-02-19	1.0	8.3	3.9	6.0	rain
## 375 2014-02-20	3.0	10.0	5.6	6.9	rain
## 376 2014-02-21	2.8	6.7	3.9	2.9	rain
## 377 2014-02-22	2.5	5.6	2.8	3.1	rain
## 378 2014-02-23	6.1	7.2	3.9	2.6	rain
## 379 2014-02-24	13.0	6.7	3.3	3.2	rain
## 380 2014-02-25	0.3	12.2	3.9	4.5	rain
## 381 2014-03-01	0.5	7.2	4.4	4.7	rain
## 382 2014-03-02	19.1	11.1	2.8	5.7	rain
## 383 2014-03-03	10.7	14.4	8.9	5.1	rain
## 384 2014-03-04	16.5	13.9	7.8	3.9	rain
## 385 2014-03-05	46.7	15.6	10.6	3.9	rain
## 386 2014-03-06	3.0	13.3	10.0	6.2	rain
## 387 2014-03-08	32.3	12.8	6.7	2.7	rain
## 388 2014-03-09	4.3	15.0	9.4	4.3	rain
## 389 2014-03-10	18.8	12.2	6.1	2.2	rain
## 390 2014-03-13	0.5	13.9	5.0	2.5	rain
## 391 2014-03-14	6.9	14.4	8.3	6.1	rain
## 392 2014-03-15	8.1	16.7	4.4	3.0	rain
## 393 2014-03-16	27.7	10.6	4.4	3.8	rain
## 394 2014-03-17	0.3	10.0	2.8	3.2	rain
## 395 2014-03-19	0.5	11.1	3.3	5.1	rain
## 396 2014-03-25	4.1	13.9	6.7	4.4	rain
## 397 2014-03-26	3.6	11.1	5.6	2.4	rain
## 398 2014-03-27	0.3	12.2	6.7	2.8	rain
## 399 2014-03-28	22.1	11.7	7.2	3.9	rain
## 400 2014-03-29	14.0	11.7	7.2	5.1	rain
## 401 2014-04-03	2.5	13.3	6.1	3.9	rain
## 402 2014-04-05	4.6	11.7	7.8	4.3	rain
## 403 2014-04-08	4.6	15.6	8.3	4.2	rain
## 404 2014-04-15	0.5	14.4	7.8	4.0	rain
## 405 2014-04-16	10.9	11.1	8.9	4.6	rain
## 406 2014-04-17	18.5	11.7	7.2	4.7	rain
## 407 2014-04-19	13.7	11.7	5.6	4.7	rain
## 408 2014-04-21	5.1	17.2	7.8	2.5	rain
## 409 2014-04-22	14.2	12.2	5.0	4.2	rain
## 410 2014-04-23	8.9	11.7	6.1	5.0	rain
## 411 2014-04-24	12.4	13.9	6.1	5.3	rain
## 412 2014-04-26	3.3	15.0	5.6	3.9	rain
## 413 2014-04-27	6.9	11.1	6.1	5.8	rain
## 414 2014-05-03	33.3	15.0	8.9	3.4	rain
## 415 2014-05-04	16.0	14.4	8.9	4.2	rain

## 416 2014-05-05	5.1	15.6	9.4	3.8	rain
## 417 2014-05-08	13.7	13.9	9.4	3.4	rain
## 418 2014-05-09	2.0	13.3	7.2	5.6	rain
## 419 2014-05-10	0.5	15.6	7.2	2.1	rain
## 420 2014-05-23	3.8	20.0	12.8	4.0	rain
## 421 2014-05-25	5.6	15.0	10.6	1.4	rain
## 422 2014-06-12	1.8	21.7	12.2	4.0	rain
## 423 2014-06-13	6.4	15.6	11.1	5.0	rain
## 424 2014-06-15	0.5	18.3	10.0	3.6	rain
## 425 2014-06-16	3.6	17.8	8.9	2.4	rain
## 426 2014-06-17	1.3	17.8	10.0	3.0	rain
## 427 2014-06-19	0.8	25.6	11.7	3.7	rain
## 428 2014-06-20	0.3	20.0	10.0	3.4	rain
## 429 2014-06-27	1.8	21.1	13.9	4.5	rain
## 430 2014-06-28	2.3	20.0	13.3	4.3	rain
## 431 2014-07-22	0.3	21.1	13.3	1.1	rain
## 432 2014-07-23	19.3	18.9	13.3	3.3	rain
## 433 2014-08-02	0.5	29.4	15.6	1.7	rain
## 434 2014-08-11	0.5	35.6	17.8	2.6	rain
## 435 2014-08-12	12.7	27.2	17.2	3.1	rain
## 436 2014-08-13	21.6	23.3	15.0	2.7	rain
## 437 2014-08-15	1.0	24.4	16.7	1.5	rain
## 438 2014-08-30	8.4	17.8	15.0	2.2	rain
## 439 2014-08-31	1.3	21.1	13.9	1.9	rain
## 440 2014-09-02	3.0	20.0	13.9	4.3	rain
## 441 2014-09-17	0.5	22.8	14.4	2.3	rain
## 442 2014-09-18	0.3	19.4	15.0	3.1	rain
## 443 2014-09-22	0.3	22.2	15.0	2.1	rain
## 444 2014-09-23	18.3	18.9	14.4	2.5	rain
## 445 2014-09-24	20.3	18.9	14.4	2.7	rain
## 446 2014-09-25	4.3	21.7	14.4	2.5	rain
## 447 2014-09-26	8.9	20.0	13.9	3.3	rain
## 448 2014-09-29	0.8	16.7	11.1	3.5	rain
## 449 2014-10-10	0.3	18.3	10.0	3.8	rain
## 450 2014-10-11	7.4	18.3	11.7	3.5	rain
## 451 2014-10-13	7.6	21.1	10.0	3.1	rain
## 452 2014-10-14	7.1	16.7	11.7	2.2	rain
## 453 2014-10-15	8.6	16.1	11.7	4.7	rain
## 454 2014-10-17	3.3	16.7	11.7	3.0	rain
## 455 2014-10-18	15.0	19.4	13.9	1.9	rain
## 456 2014-10-20	11.7	16.1	12.2	3.1	rain
## 457 2014-10-21	1.0	16.1	11.7	4.7	rain
## 458 2014-10-22	32.0	15.6	11.7	5.0	rain
## 459 2014-10-23	9.4	14.4	8.3	4.6	rain
## 460 2014-10-24	4.1	14.4	8.9	3.2	rain
## 461 2014-10-25	6.1	16.7	8.3	5.4	rain
## 462 2014-10-26	1.5	12.8	7.8	5.0	rain
## 463 2014-10-27	0.8	15.6	6.7	2.4	rain
## 464 2014-10-28	12.7	15.0	9.4	3.9	rain
## 465 2014-10-29	0.5	16.7	11.7	3.1	rain
## 466 2014-10-30	25.4	15.6	11.1	3.2	rain
## 467 2014-10-31	17.0	12.8	8.3	2.0	rain
## 468 2014-11-02	1.8	13.3	7.2	2.9	rain
## 469 2014-11-03	10.9	13.9	11.1	4.8	rain
## 470 2014-11-04	4.1	14.4	10.6	3.3	rain
## 471 2014-11-05	4.8	15.0	10.6	2.1	rain
## 472 2014-11-06	4.1	16.7	10.6	6.7	rain
## 473 2014-11-09	5.1	13.3	7.8	3.0	rain

## 474 2014-11-20	3.6	11.1	5.6	2.1	rain
## 475 2014-11-21	15.2	11.1	8.3	4.7	rain
## 476 2014-11-22	0.5	9.4	6.7	4.7	rain
## 477 2014-11-23	11.9	12.8	5.6	5.1	rain
## 478 2014-11-24	1.3	11.7	4.4	3.8	rain
## 479 2014-11-25	18.3	13.9	9.4	4.5	rain
## 480 2014-11-26	0.3	15.0	12.2	3.9	rain
## 481 2014-11-27	3.3	14.4	11.7	6.6	rain
## 482 2014-11-28	34.3	12.8	3.3	5.8	rain
## 483 2014-12-04	0.8	8.3	3.9	1.1	rain
## 484 2014-12-05	3.0	12.8	6.7	3.1	rain
## 485 2014-12-06	7.4	11.7	7.8	3.6	rain
## 486 2014-12-08	9.1	14.4	8.9	4.2	rain
## 487 2014-12-09	9.9	16.1	10.6	5.1	rain
## 488 2014-12-10	13.0	18.9	10.0	6.7	rain
## 489 2014-12-11	6.9	14.4	8.3	6.4	rain
## 490 2014-12-17	2.8	8.9	6.1	1.6	rain
## 491 2014-12-18	13.0	9.4	6.7	3.1	rain
## 492 2014-12-19	3.0	11.1	7.2	4.3	rain
## 493 2014-12-20	19.6	12.8	6.7	5.5	rain
## 494 2014-12-23	20.6	12.2	5.0	3.8	rain
## 495 2014-12-24	5.3	7.2	3.9	1.8	rain
## 496 2014-12-27	3.3	9.4	4.4	4.9	rain
## 497 2014-12-28	4.1	6.7	2.8	1.8	rain
## 498 2015-01-02	1.5	5.6	0.0	2.3	rain
## 499 2015-01-04	10.2	10.6	3.3	4.5	rain
## 500 2015-01-05	8.1	12.2	9.4	6.4	rain
## 501 2015-01-09	0.3	10.0	3.3	0.6	rain
## 502 2015-01-10	5.8	7.8	6.1	0.5	rain
## 503 2015-01-11	1.5	9.4	7.2	1.1	rain
## 504 2015-01-15	9.7	7.8	1.1	3.2	rain
## 505 2015-01-17	26.2	13.3	3.3	2.8	rain
## 506 2015-01-18	21.3	13.9	7.2	6.6	rain
## 507 2015-01-19	0.5	10.0	6.1	2.8	rain
## 508 2015-01-22	0.8	9.4	6.1	1.3	rain
## 509 2015-01-23	5.8	12.2	8.3	2.6	rain
## 510 2015-01-24	0.5	14.4	11.1	3.3	rain
## 511 2015-01-27	0.8	11.1	8.3	2.0	rain
## 512 2015-02-01	1.5	9.4	4.4	2.6	rain
## 513 2015-02-02	7.4	11.1	5.0	4.0	rain
## 514 2015-02-03	1.3	10.0	5.6	1.9	rain
## 515 2015-02-04	8.4	10.6	4.4	1.7	rain
## 516 2015-02-05	26.2	13.3	8.3	4.6	rain
## 517 2015-02-06	17.3	14.4	10.0	4.5	rain
## 518 2015-02-07	23.6	12.2	9.4	4.6	rain
## 519 2015-02-08	3.6	15.0	8.3	3.9	rain
## 520 2015-02-09	6.1	13.3	8.3	2.5	rain
## 521 2015-02-10	0.3	12.8	8.3	4.0	rain
## 522 2015-02-12	1.0	16.7	9.4	2.1	rain
## 523 2015-02-14	0.3	14.4	6.7	2.9	rain
## 524 2015-02-19	4.6	10.6	8.3	2.2	rain
## 525 2015-02-20	0.8	11.1	7.2	0.9	rain
## 526 2015-02-25	4.1	10.0	6.7	1.0	rain
## 527 2015-02-26	9.4	11.7	7.8	1.4	rain
## 528 2015-02-27	18.3	10.0	6.7	4.0	rain
## 529 2015-03-10	0.8	13.3	5.0	2.6	rain
## 530 2015-03-11	2.5	14.4	8.9	3.1	rain
## 531 2015-03-13	2.0	17.2	7.8	2.2	rain

## 532 2015-03-14	17.0	13.9	9.4	3.8	rain
## 533 2015-03-15	55.9	10.6	6.1	4.2	rain
## 534 2015-03-16	1.0	13.9	6.1	3.0	rain
## 535 2015-03-17	0.8	13.3	4.4	2.6	rain
## 536 2015-03-20	4.1	13.9	8.9	1.9	rain
## 537 2015-03-21	3.8	13.3	8.3	4.7	rain
## 538 2015-03-22	1.0	11.7	6.1	2.3	rain
## 539 2015-03-23	8.1	11.1	5.6	2.8	rain
## 540 2015-03-24	7.6	12.8	6.1	3.9	rain
## 541 2015-03-25	5.1	14.4	7.2	4.4	rain
## 542 2015-03-27	1.0	18.3	8.9	4.0	rain
## 543 2015-03-30	1.8	17.8	10.6	2.9	rain
## 544 2015-03-31	1.0	12.8	6.1	4.2	rain
## 545 2015-04-01	5.1	12.8	5.6	3.2	rain
## 546 2015-04-03	1.5	11.1	5.0	3.6	rain
## 547 2015-04-06	1.0	13.9	6.7	3.5	rain
## 548 2015-04-07	0.5	14.4	6.7	3.9	rain
## 549 2015-04-10	10.9	13.9	7.8	4.6	rain
## 550 2015-04-13	14.0	11.7	3.9	3.6	rain
## 551 2015-04-14	3.3	11.7	2.8	3.3	rain
## 552 2015-04-21	5.6	17.2	6.7	3.4	rain
## 553 2015-04-23	3.0	12.2	6.7	4.1	rain
## 554 2015-04-24	3.3	12.2	6.1	5.0	rain
## 555 2015-04-25	1.3	13.3	5.6	3.0	rain
## 556 2015-04-27	0.3	25.0	10.6	2.3	rain
## 557 2015-04-28	1.8	15.6	8.9	4.3	rain
## 558 2015-05-05	6.1	14.4	7.2	5.1	rain
## 559 2015-05-12	4.3	15.6	10.6	3.3	rain
## 560 2015-05-13	4.1	12.2	10.0	2.8	rain
## 561 2015-05-14	0.3	17.8	9.4	2.0	rain
## 562 2015-06-01	4.6	16.1	11.7	3.4	rain
## 563 2015-06-02	0.5	17.8	12.8	5.0	rain
## 564 2015-06-19	0.5	23.9	13.3	3.2	rain
## 565 2015-06-28	0.3	28.3	18.3	2.1	rain
## 566 2015-07-24	0.3	22.8	13.3	3.8	rain
## 567 2015-07-26	2.0	22.2	13.9	2.6	rain
## 568 2015-08-12	7.6	28.3	16.7	2.7	rain
## 569 2015-08-14	30.5	18.3	15.0	5.2	rain
## 570 2015-08-20	2.0	22.8	14.4	4.2	rain
## 571 2015-08-28	0.5	23.3	15.6	2.6	rain
## 572 2015-08-29	32.5	22.2	13.3	5.8	rain
## 573 2015-08-30	10.2	20.0	12.8	4.7	rain
## 574 2015-09-01	5.8	19.4	13.9	5.0	rain
## 575 2015-09-05	0.3	20.6	8.9	3.5	rain
## 576 2015-09-06	5.3	16.1	11.7	2.4	rain
## 577 2015-09-07	0.3	21.1	13.3	1.5	rain
## 578 2015-09-13	0.5	20.6	12.8	3.0	rain
## 579 2015-09-16	1.0	20.0	10.0	1.9	rain
## 580 2015-09-17	1.8	18.3	12.8	3.8	rain
## 581 2015-09-20	4.1	22.8	12.2	6.8	rain
## 582 2015-09-25	2.0	15.6	12.8	2.6	rain
## 583 2015-10-07	9.9	16.1	13.9	2.2	rain
## 584 2015-10-09	0.3	19.4	12.2	2.6	rain
## 585 2015-10-10	28.7	21.1	13.3	4.7	rain
## 586 2015-10-12	4.6	18.3	10.6	2.8	rain
## 587 2015-10-13	1.3	16.7	9.4	3.2	rain
## 588 2015-10-17	0.3	19.4	11.7	1.3	rain
## 589 2015-10-18	3.8	15.0	12.8	2.0	rain

```

## 590 2015-10-19      0.3  17.2  12.2  2.6  rain
## 591 2015-10-25      8.9  19.4   8.9  3.4  rain
## 592 2015-10-26      6.9  12.2  10.0  4.6  rain
## 593 2015-10-28      3.3  13.9  11.1  2.8  rain
## 594 2015-10-29      1.8  15.0  12.2  4.7  rain
## 595 2015-10-30     19.3  17.2  11.7  6.7  rain
## 596 2015-10-31     33.0  15.6  11.7  7.2  rain
## 597 2015-11-01     26.2  12.2   8.9  6.0  rain
## 598 2015-11-02      0.3  11.1   7.2  2.8  rain
## 599 2015-11-03      0.8  10.6   5.0  1.4  rain
## 600 2015-11-05      1.3  11.7   7.8  2.3  rain
## 601 2015-11-07     12.7  12.2   9.4  3.0  rain
## 602 2015-11-08      6.6  11.1   7.8  1.8  rain
## 603 2015-11-09      3.3  10.0   5.0  1.3  rain
## 604 2015-11-10      1.3  11.1   3.9  3.9  rain
## 605 2015-11-11      1.5  11.1   6.1  4.6  rain
## 606 2015-11-12      9.9  11.1   5.0  5.1  rain
## 607 2015-11-13     33.5  13.3   9.4  6.5  rain
## 608 2015-11-14     47.2   9.4   6.1  4.5  rain
## 609 2015-11-15     22.4   8.9   2.2  4.1  rain
## 610 2015-11-16      2.0   8.9   1.7  4.0  rain
## 611 2015-11-17     29.5  13.3   6.7  8.0  rain
## 612 2015-11-18      1.5   8.9   3.3  3.8  rain
## 613 2015-11-19      2.0   8.9   2.8  4.2  rain
## 614 2015-11-23      3.0   6.7   0.0  1.3  rain
## 615 2015-11-24      7.1   6.7   2.8  4.5  rain
## 616 2015-11-30      0.5   5.6  -3.8  1.7  rain
## 617 2015-12-01     12.2  10.0   3.9  3.5  rain
## 618 2015-12-02      2.5  10.6   4.4  5.0  rain
## 619 2015-12-03     12.7  15.6   7.8  5.9  rain
## 620 2015-12-04      2.0  10.6   6.1  4.7  rain
## 621 2015-12-05     15.7  10.0   6.1  4.0  rain
## 622 2015-12-06     11.2  12.8   7.2  5.9  rain
## 623 2015-12-07     27.4  11.1   8.3  3.4  rain
## 624 2015-12-08     54.1  15.6  10.0  6.2  rain
## 625 2015-12-09     13.5  12.2   7.8  6.3  rain
## 626 2015-12-10      9.4  11.7   6.1  7.5  rain
## 627 2015-12-11      0.3   9.4   4.4  2.8  rain
## 628 2015-12-12     16.0   8.9   5.6  5.6  rain
## 629 2015-12-13      1.3   7.8   6.1  6.1  rain
## 630 2015-12-15      1.5   6.7   1.1  2.9  rain
## 631 2015-12-16      3.6   6.1   2.8  2.3  rain
## 632 2015-12-17     21.8   6.7   3.9  6.0  rain
## 633 2015-12-18     18.5   8.9   4.4  5.1  rain
## 634 2015-12-20      4.3   7.8   4.4  6.7  rain
## 635 2015-12-21     27.4   5.6   2.8  4.3  rain
## 636 2015-12-22      4.6   7.8   2.8  5.0  rain
## 637 2015-12-23      6.1   5.0   2.8  7.6  rain
## 638 2015-12-24      2.5   5.6   2.2  4.3  rain
## 639 2015-12-25      5.8   5.0   2.2  1.5  rain
## 640 2015-12-27      8.6   4.4   1.7  2.9  rain
## 641 2015-12-28      1.5   5.0   1.7  1.3  rain

```

```

filt4 = filter(data,temp_max %in% c(6))
filt4

```

```

## [1] date      precipitation temp_max    temp_min    wind
## [6] weather
## <0 rows> (or 0-length row.names)

```

```

sum(is.null(data))

## [1] 0

dplyr::group_by(data)

## # A tibble: 1,461 × 6
##   date      precipitation temp_max temp_min wind weather
##   <chr>      <dbl>    <dbl>  <dbl> <dbl> <chr>
## 1 2012-01-01         0    12.8    5    4.7 drizzle
## 2 2012-01-02        10.9   10.6    2.8  4.5 rain
## 3 2012-01-03         0.8   11.7    7.2  2.3 rain
## 4 2012-01-04        20.3   12.2    5.6  4.7 rain
## 5 2012-01-05         1.3    8.9    2.8  6.1 rain
## 6 2012-01-06         2.5    4.4    2.2  2.2 rain
## 7 2012-01-07         0     7.2    2.8  2.3 rain
## 8 2012-01-08         0    10     2.8    2 sun
## 9 2012-01-09         4.3    9.4    5    3.4 rain
## 10 2012-01-10         1     6.1    0.6  3.4 rain
## # ... with 1,451 more rows

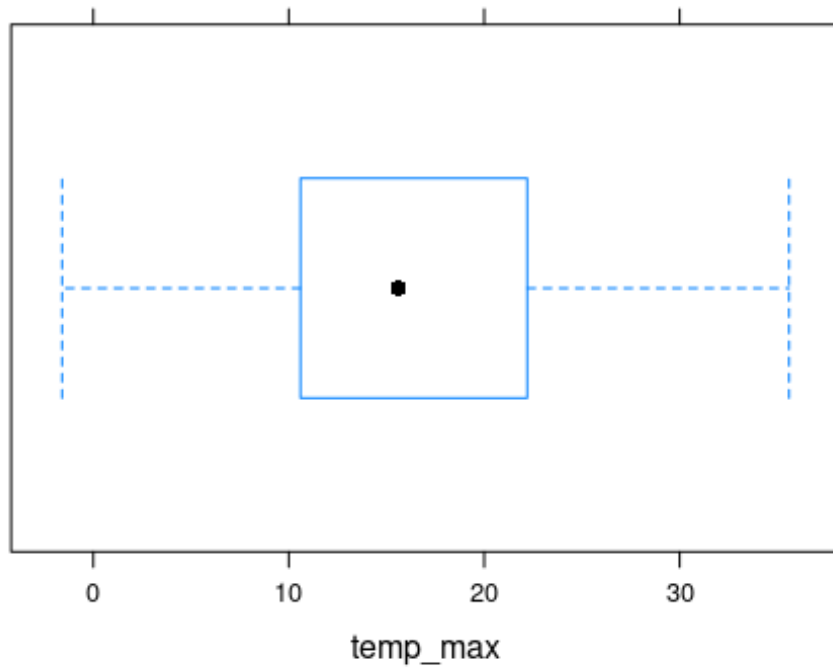
summary(data)

##   date      precipitation    temp_max    temp_min
## Length:1461    Min. : 0.000 Min. :-1.60 Min. :-7.100
## Class :character 1st Qu.: 0.000 1st Qu.:10.60 1st Qu.: 4.400
## Mode :character Median : 0.000 Median :15.60 Median : 8.300
##          Mean : 3.029 Mean :16.44 Mean : 8.235
##          3rd Qu.: 2.800 3rd Qu.:22.20 3rd Qu.:12.200
##          Max. :55.900 Max. :35.60 Max. :18.300
##   wind      weather
## Min. :0.400 Length:1461
## 1st Qu.:2.200 Class :character
## Median :3.000 Mode :character
## Mean :3.241
## 3rd Qu.:4.000
## Max. :9.500

bwplot(temp_max,data)

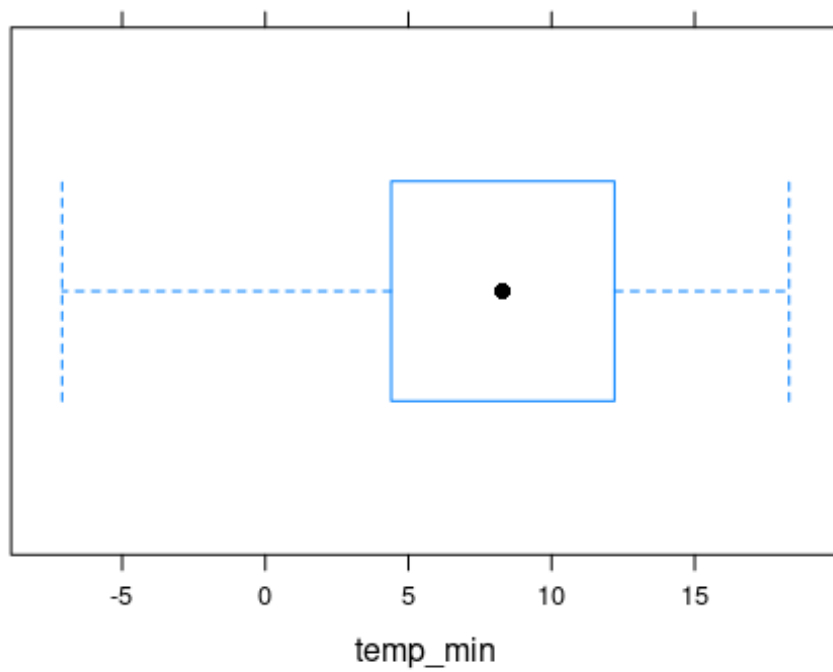
## Warning in bwplot.numeric(temp_max, data): explicit 'data' specification ignored

```



```
bwplot(temp_min, data)
```

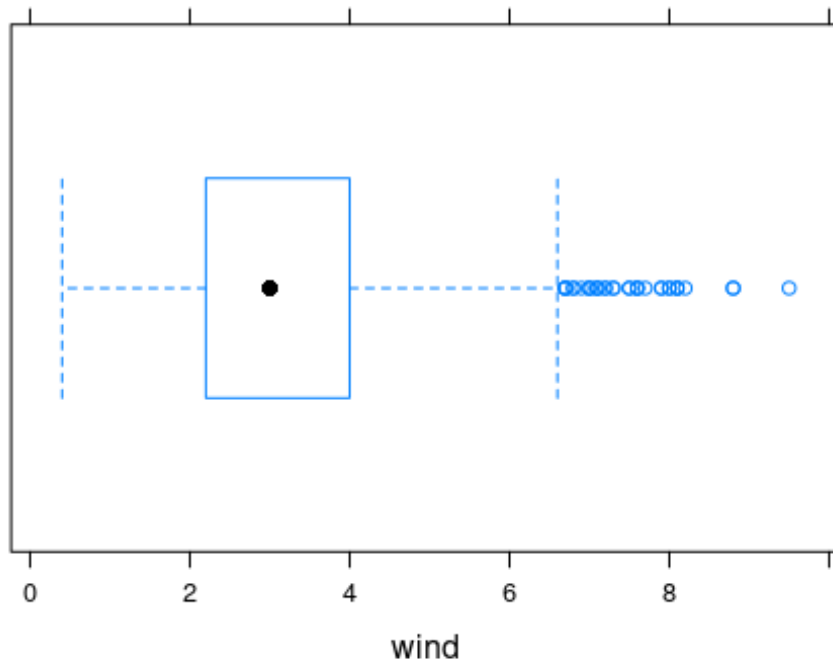
```
## Warning in bwplot.numeric(temp_min, data): explicit 'data' specification ignored
```





```
bwplot(wind, data)
```

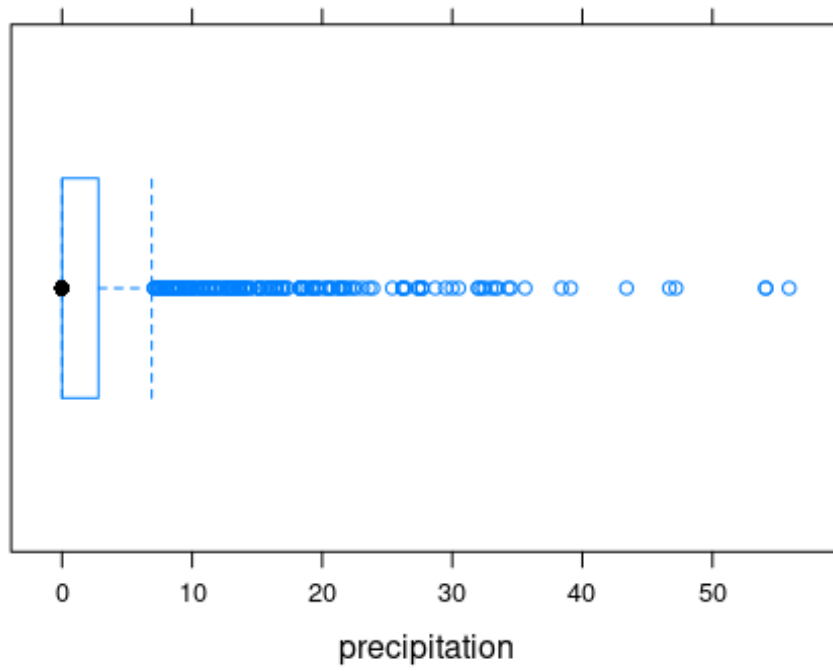
```
## Warning in bwplot.numeric(wind, data): explicit 'data' specification ignored
```



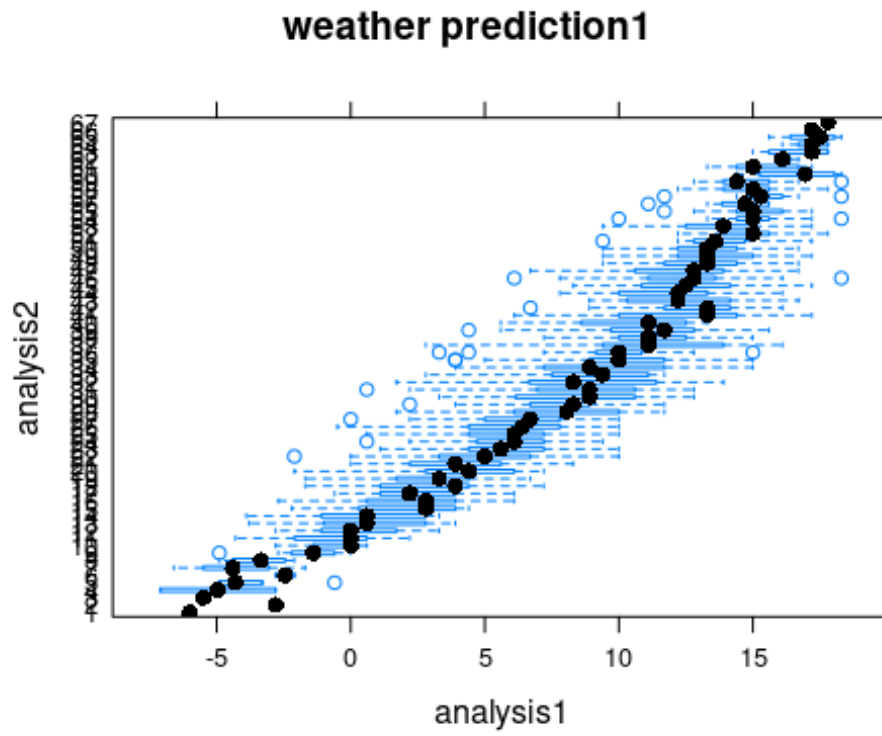
```
bwplot(precipitation, data)
```

```
## Warning in bwplot.numeric(precipitation, data): explicit 'data' specification
```

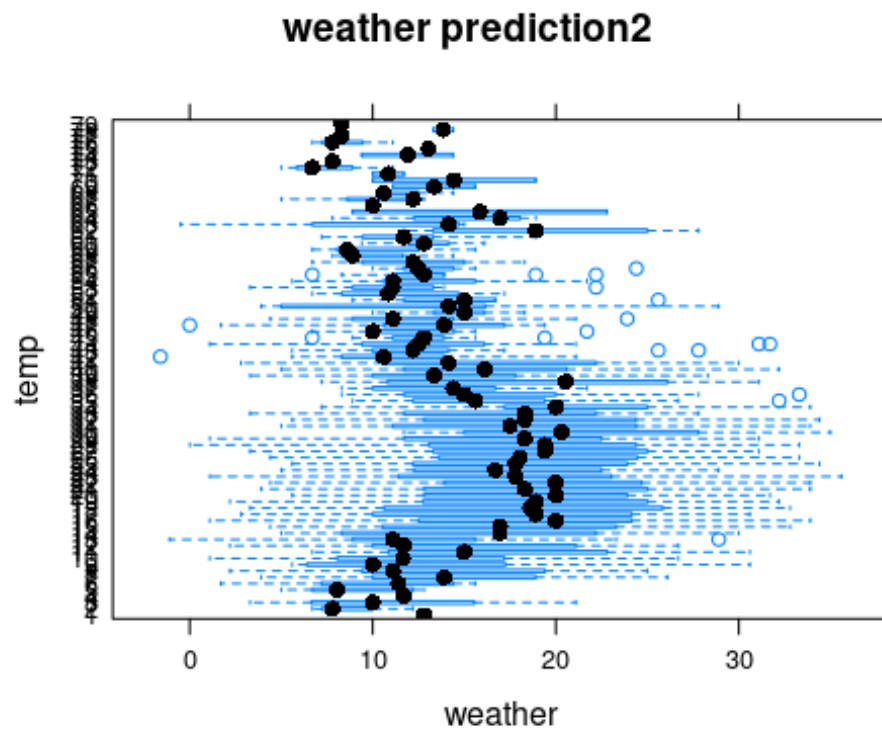
```
## ignored
```



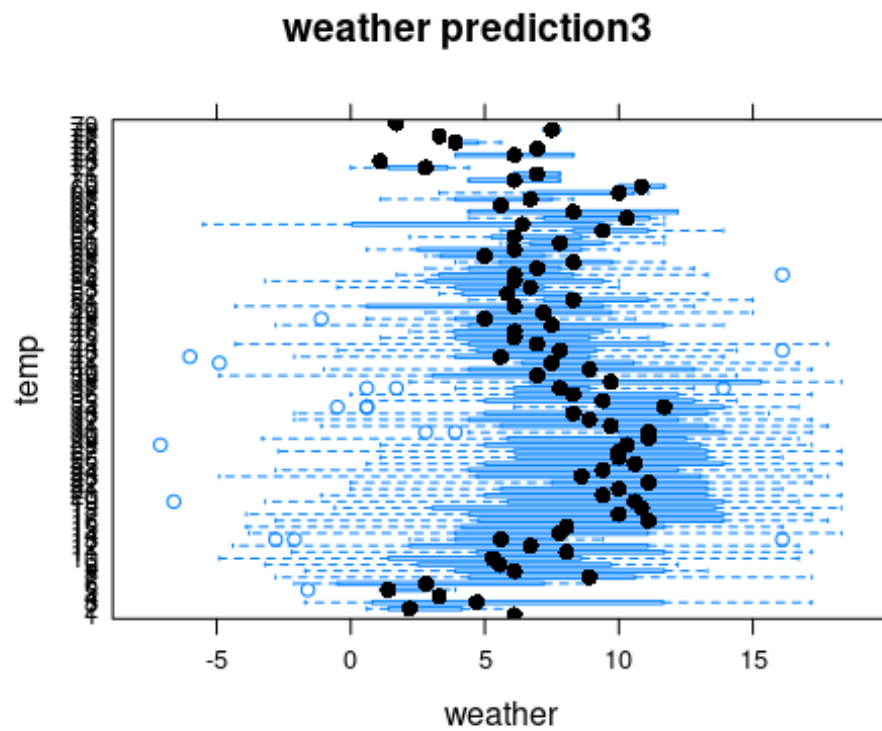
```
bwplot(temp_max~temp_min, data = data,  
  main = "weather prediction1",  
  xlab = "analysis1",  
  ylab = "analysis2"  
)
```



```
bwplot(wind~temp_max, data = data,  
       main = "weather prediction2",  
       xlab = "weather",  
       ylab = "temp")
```

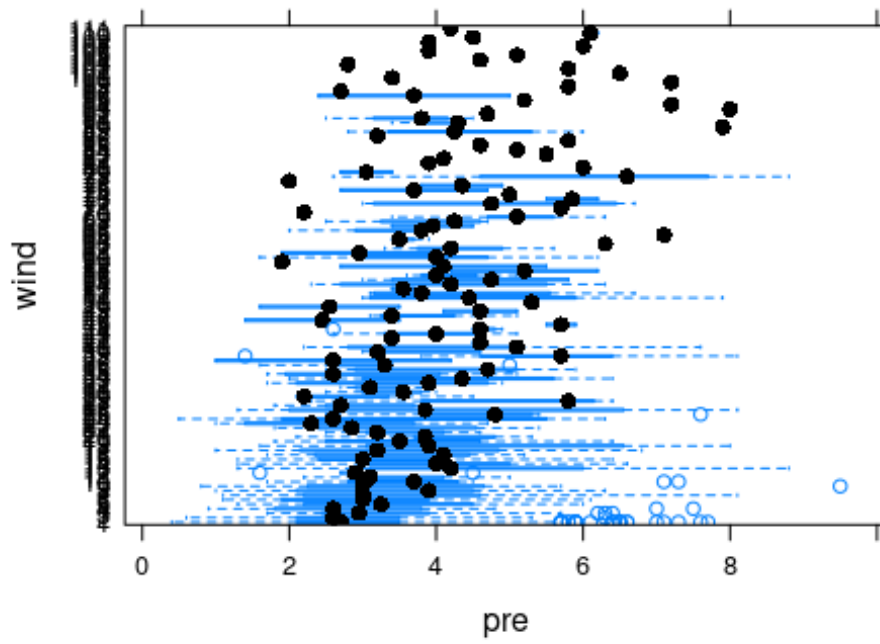


```
bwplot(wind~temp_min, data = data,  
       main = "weather prediction3",  
       xlab = "weather",  
       ylab = "temp")
```

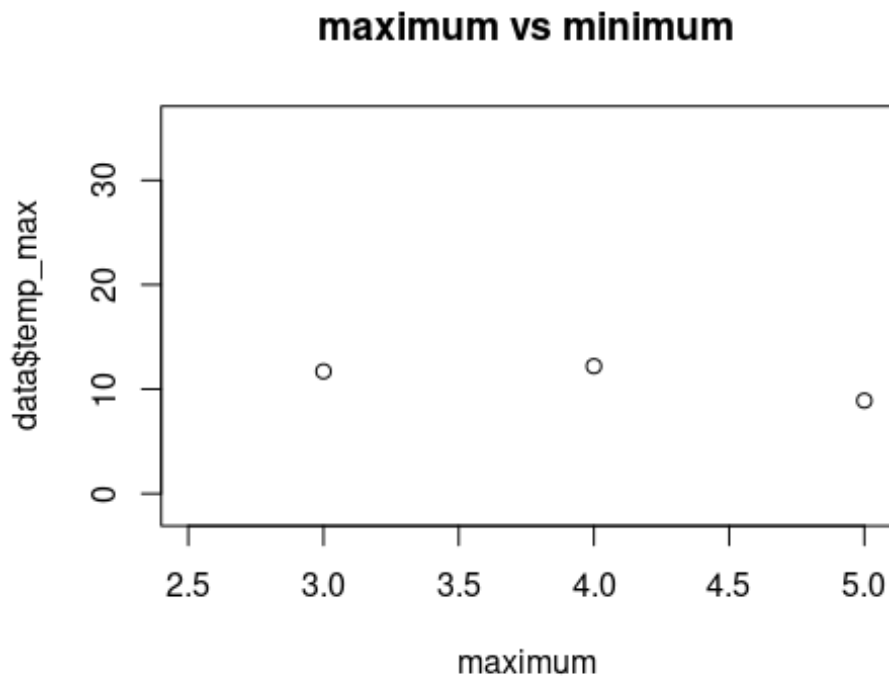


```
bwplot(precipitation~wind, data = data,  
       main = "weather prediction4",  
       xlab = "pre",  
       ylab = "wind")
```

### weather prediction4



```
plot(x = data$temp_max,  
     xlab = "maximum",  
     xlim = c(2.5,5),  
     main = "maximum vs minimum"  
)
```

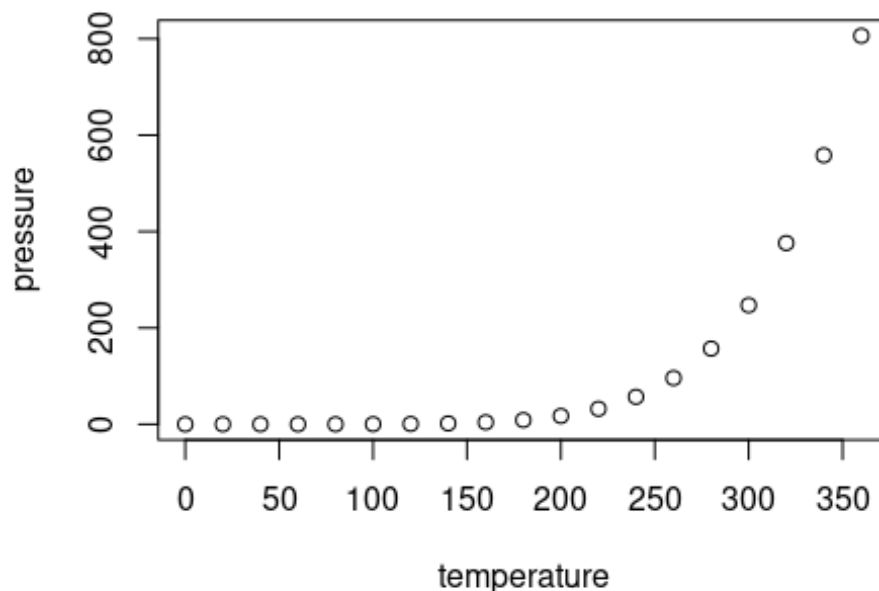


## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents.

## Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

#### INFERENCE :

- ★ From the weather predictions ( January to December)
- ★ This dataset provides the representation of histogram , boxplot , and scatterplot among monthwise calculation of weather predictions in seasonal observation of wind , weather , precipitation, temp\_max , temp\_min , and date .
- ★ Comparing the maximum temperature to minimum temperature of observations.
- ★ The summary of the data observation of mean 3.2, median 3.0 , mode (max) - 9.5 ,mode (min )- 0.4.
- ★ A histogram provides the number of temperature will high and low in the months of the year across maximum in (0-30) and minimum in ( -5 to 20) and the sum of null are (1) 0.
- ★ In boxplot the normal focus range of temperature become maximum in (10 to 20) degree
- ★ At the same time the focus of range in temperature become minimum in (5 to 10) degree
- ★ The numeric plots among wind and precipitation observation of related temperature are (2 - 4 ) and (0-10)
- ★ In scatterplot : maximum - (-5 to 15) and minimum - (0 to 8) become the plot among maximum and minimum range are 3.0 to 5.0 respectively.



### INSIGHTS :

- ★ The visual representation of weather predictions among two data of temp\_max and temp\_min , I got the assumptions :- The wind speeds are generally high during the winter months, and lower in the spring and summer months.

- ★ How it is visualized on :

1. Average precipitation tends to increase from January to April.
2. Average temperatures tend to decrease from January to April.
3. Average wind speeds tend to increase from January to April.

### ✓ SUMMARY :

The goal of weather prediction is to provide information people and organizations can use to reduce weather-related losses and enhance societal benefits, including protection of life and property, public health and safety, and support of economic prosperity and quality of life.