

## Assignment\_2

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2021 10 2

### Assignment 2

This is the **assignment 2** for R programming class and includes the following items;

1. *Make a data frame from the air quality dataset*
2. *In the same chunk clean the dataset from NA values*
3. *Knit the RMarkdown file and make a PDF file*
4. *Save your RMarkdown and PDF files and commit them*
5. *Push the RMarkdown and PDF files to the repository*
6. *Check your GitHub and your repository*
7. *Submit the link of your public repository to the i-class assignment 2*

### Assignment 2-1

```
x <- data.frame(airquality)
```

```
x
```

```
##      Ozone Solar.R Wind Temp Month Day
## 1      41     190  7.4   67    5   1
## 2      36     118  8.0   72    5   2
## 3      12     149 12.6   74    5   3
## 4      18     313 11.5   62    5   4
## 5      NA      NA 14.3   56    5   5
## 6      28      NA 14.9   66    5   6
## 7      23     299  8.6   65    5   7
## 8      19      99 13.8   59    5   8
## 9       8      19 20.1   61    5   9
## 10     NA     194  8.6   69    5  10
## 11      7      NA  6.9   74    5  11
## 12     16     256  9.7   69    5  12
## 13     11     290  9.2   66    5  13
## 14     14     274 10.9   68    5  14
## 15     18      65 13.2   58    5  15
## 16     14     334 11.5   64    5  16
## 17     34     307 12.0   66    5  17
## 18      6      78 18.4   57    5  18
## 19     30     322 11.5   68    5  19
```

## 20	11	44	9.7	62	5	20
## 21	1	8	9.7	59	5	21
## 22	11	320	16.6	73	5	22
## 23	4	25	9.7	61	5	23
## 24	32	92	12.0	61	5	24
## 25	NA	66	16.6	57	5	25
## 26	NA	266	14.9	58	5	26
## 27	NA	NA	8.0	57	5	27
## 28	23	13	12.0	67	5	28
## 29	45	252	14.9	81	5	29
## 30	115	223	5.7	79	5	30
## 31	37	279	7.4	76	5	31
## 32	NA	286	8.6	78	6	1
## 33	NA	287	9.7	74	6	2
## 34	NA	242	16.1	67	6	3
## 35	NA	186	9.2	84	6	4
## 36	NA	220	8.6	85	6	5
## 37	NA	264	14.3	79	6	6
## 38	29	127	9.7	82	6	7
## 39	NA	273	6.9	87	6	8
## 40	71	291	13.8	90	6	9
## 41	39	323	11.5	87	6	10
## 42	NA	259	10.9	93	6	11
## 43	NA	250	9.2	92	6	12
## 44	23	148	8.0	82	6	13
## 45	NA	332	13.8	80	6	14
## 46	NA	322	11.5	79	6	15
## 47	21	191	14.9	77	6	16
## 48	37	284	20.7	72	6	17
## 49	20	37	9.2	65	6	18
## 50	12	120	11.5	73	6	19
## 51	13	137	10.3	76	6	20
## 52	NA	150	6.3	77	6	21
## 53	NA	59	1.7	76	6	22
## 54	NA	91	4.6	76	6	23
## 55	NA	250	6.3	76	6	24
## 56	NA	135	8.0	75	6	25
## 57	NA	127	8.0	78	6	26
## 58	NA	47	10.3	73	6	27
## 59	NA	98	11.5	80	6	28
## 60	NA	31	14.9	77	6	29
## 61	NA	138	8.0	83	6	30
## 62	135	269	4.1	84	7	1
## 63	49	248	9.2	85	7	2
## 64	32	236	9.2	81	7	3
## 65	NA	101	10.9	84	7	4
## 66	64	175	4.6	83	7	5
## 67	40	314	10.9	83	7	6
## 68	77	276	5.1	88	7	7

## 69	97	267	6.3	92	7	8
## 70	97	272	5.7	92	7	9
## 71	85	175	7.4	89	7	10
## 72	NA	139	8.6	82	7	11
## 73	10	264	14.3	73	7	12
## 74	27	175	14.9	81	7	13
## 75	NA	291	14.9	91	7	14
## 76	7	48	14.3	80	7	15
## 77	48	260	6.9	81	7	16
## 78	35	274	10.3	82	7	17
## 79	61	285	6.3	84	7	18
## 80	79	187	5.1	87	7	19
## 81	63	220	11.5	85	7	20
## 82	16	7	6.9	74	7	21
## 83	NA	258	9.7	81	7	22
## 84	NA	295	11.5	82	7	23
## 85	80	294	8.6	86	7	24
## 86	108	223	8.0	85	7	25
## 87	20	81	8.6	82	7	26
## 88	52	82	12.0	86	7	27
## 89	82	213	7.4	88	7	28
## 90	50	275	7.4	86	7	29
## 91	64	253	7.4	83	7	30
## 92	59	254	9.2	81	7	31
## 93	39	83	6.9	81	8	1
## 94	9	24	13.8	81	8	2
## 95	16	77	7.4	82	8	3
## 96	78	NA	6.9	86	8	4
## 97	35	NA	7.4	85	8	5
## 98	66	NA	4.6	87	8	6
## 99	122	255	4.0	89	8	7
## 100	89	229	10.3	90	8	8
## 101	110	207	8.0	90	8	9
## 102	NA	222	8.6	92	8	10
## 103	NA	137	11.5	86	8	11
## 104	44	192	11.5	86	8	12
## 105	28	273	11.5	82	8	13
## 106	65	157	9.7	80	8	14
## 107	NA	64	11.5	79	8	15
## 108	22	71	10.3	77	8	16
## 109	59	51	6.3	79	8	17
## 110	23	115	7.4	76	8	18
## 111	31	244	10.9	78	8	19
## 112	44	190	10.3	78	8	20
## 113	21	259	15.5	77	8	21
## 114	9	36	14.3	72	8	22
## 115	NA	255	12.6	75	8	23
## 116	45	212	9.7	79	8	24
## 117	168	238	3.4	81	8	25

```
## 118    73    215  8.0    86    8  26
## 119    NA    153  5.7    88    8  27
## 120    76    203  9.7    97    8  28
## 121   118    225  2.3    94    8  29
## 122    84    237  6.3    96    8  30
## 123    85    188  6.3    94    8  31
## 124    96    167  6.9    91    9   1
## 125    78    197  5.1    92    9   2
## 126    73    183  2.8    93    9   3
## 127    91    189  4.6    93    9   4
## 128    47     95  7.4    87    9   5
## 129    32     92 15.5    84    9   6
## 130    20    252 10.9    80    9   7
## 131    23    220 10.3    78    9   8
## 132    21    230 10.9    75    9   9
## 133    24    259  9.7    73    9  10
## 134    44    236 14.9    81    9  11
## 135    21    259 15.5    76    9  12
## 136    28    238  6.3    77    9  13
## 137     9     24 10.9    71    9  14
## 138    13    112 11.5    71    9  15
## 139    46    237  6.9    78    9  16
## 140    18    224 13.8    67    9  17
## 141    13     27 10.3    76    9  18
## 142    24    238 10.3    68    9  19
## 143    16    201  8.0    82    9  20
## 144    13    238 12.6    64    9  21
## 145    23     14  9.2    71    9  22
## 146    36    139 10.3    81    9  23
## 147     7     49 10.3    69    9  24
## 148    14     20 16.6    63    9  25
## 149    30    193  6.9    70    9  26
## 150    NA    145 13.2    77    9  27
## 151    14    191 14.3    75    9  28
## 152    18    131  8.0    76    9  29
## 153    20    223 11.5    68    9  30
```

## Assignment 2-2

- Method1

```
bad <- is.na(x)
bad
```

```
##      Ozone Solar.R Wind Temp Month Day
## [1,] FALSE  FALSE FALSE FALSE FALSE FALSE
## [2,] FALSE  FALSE FALSE FALSE FALSE FALSE
## [3,] FALSE  FALSE FALSE FALSE FALSE FALSE
## [4,] FALSE  FALSE FALSE FALSE FALSE FALSE
## [5,] TRUE   TRUE  FALSE FALSE FALSE FALSE
## [6,] FALSE  TRUE  FALSE FALSE FALSE FALSE
```

##	[7,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[8,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[9,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[10,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[11,]	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
##	[12,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[13,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[14,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[15,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[16,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[17,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[18,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[19,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[20,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[21,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[22,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[23,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[24,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[25,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[26,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[27,]	TRUE	TRUE	FALSE	FALSE	FALSE	FALSE
##	[28,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[29,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[30,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[31,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[32,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[33,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[34,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[35,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[36,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[37,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[38,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[39,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[40,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[41,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[42,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[43,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[44,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[45,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[46,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[47,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[48,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[49,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[50,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[51,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[52,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[53,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[54,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[55,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE

##	[56,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[57,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[58,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[59,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[60,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[61,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[62,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[63,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[64,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[65,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[66,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[67,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[68,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[69,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[70,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[71,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[72,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[73,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[74,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[75,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[76,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[77,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[78,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[79,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[80,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[81,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[82,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[83,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[84,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[85,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[86,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[87,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[88,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[89,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[90,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[91,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[92,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[93,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[94,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[95,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[96,]	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
##	[97,]	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
##	[98,]	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
##	[99,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[100,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[101,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[102,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[103,]	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
##	[104,]	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

##	[105,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[106,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[107,]	TRUE	FALSE	FALSE	FALSE	FALSE
##	[108,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[109,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[110,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[111,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[112,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[113,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[114,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[115,]	TRUE	FALSE	FALSE	FALSE	FALSE
##	[116,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[117,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[118,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[119,]	TRUE	FALSE	FALSE	FALSE	FALSE
##	[120,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[121,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[122,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[123,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[124,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[125,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[126,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[127,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[128,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[129,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[130,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[131,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[132,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[133,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[134,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[135,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[136,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[137,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[138,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[139,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[140,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[141,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[142,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[143,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[144,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[145,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[146,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[147,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[148,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[149,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[150,]	TRUE	FALSE	FALSE	FALSE	FALSE
##	[151,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[152,]	FALSE	FALSE	FALSE	FALSE	FALSE
##	[153,]	FALSE	FALSE	FALSE	FALSE	FALSE

```
x1 <- x[!bad]
```

- Method2

```
good <- complete.cases(x)
```

```
good
```

```
## [1] TRUE TRUE TRUE TRUE FALSE FALSE TRUE TRUE TRUE FALSE FALSE T
RUE
## [13] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE T
RUE
## [25] FALSE FALSE FALSE TRUE TRUE TRUE TRUE FALSE FALSE FALSE FALSE FA
LSE
## [37] FALSE TRUE FALSE TRUE TRUE FALSE FALSE TRUE FALSE FALSE TRUE T
RUE
## [49] TRUE TRUE TRUE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FA
LSE
## [61] FALSE TRUE TRUE TRUE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE FA
LSE
## [73] TRUE TRUE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE FALSE FA
LSE
## [85] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE FA
LSE
## [97] FALSE FALSE TRUE TRUE TRUE FALSE FALSE TRUE TRUE TRUE FALSE T
RUE
## [109] TRUE TRUE TRUE TRUE TRUE TRUE FALSE TRUE TRUE TRUE TRUE FALSE T
RUE
## [121] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE T
RUE
## [133] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE T
RUE
## [145] TRUE TRUE TRUE TRUE TRUE FALSE TRUE TRUE TRUE
```

```
x2 <- x[good, ]
```

```
x2
```

```
##      Ozone Solar.R Wind Temp Month Day
## 1      41      190  7.4   67     5   1
## 2      36      118  8.0   72     5   2
## 3      12      149 12.6   74     5   3
## 4      18      313 11.5   62     5   4
## 7      23      299  8.6   65     5   7
## 8      19       99 13.8   59     5   8
## 9       8       19 20.1   61     5   9
## 12     16      256  9.7   69     5  12
## 13     11      290  9.2   66     5  13
## 14     14      274 10.9   68     5  14
## 15     18       65 13.2   58     5  15
## 16     14      334 11.5   64     5  16
## 17     34      307 12.0   66     5  17
```



## 18	6	78	18.4	57	5	18
## 19	30	322	11.5	68	5	19
## 20	11	44	9.7	62	5	20
## 21	1	8	9.7	59	5	21
## 22	11	320	16.6	73	5	22
## 23	4	25	9.7	61	5	23
## 24	32	92	12.0	61	5	24
## 28	23	13	12.0	67	5	28
## 29	45	252	14.9	81	5	29
## 30	115	223	5.7	79	5	30
## 31	37	279	7.4	76	5	31
## 38	29	127	9.7	82	6	7
## 40	71	291	13.8	90	6	9
## 41	39	323	11.5	87	6	10
## 44	23	148	8.0	82	6	13
## 47	21	191	14.9	77	6	16
## 48	37	284	20.7	72	6	17
## 49	20	37	9.2	65	6	18
## 50	12	120	11.5	73	6	19
## 51	13	137	10.3	76	6	20
## 62	135	269	4.1	84	7	1
## 63	49	248	9.2	85	7	2
## 64	32	236	9.2	81	7	3
## 66	64	175	4.6	83	7	5
## 67	40	314	10.9	83	7	6
## 68	77	276	5.1	88	7	7
## 69	97	267	6.3	92	7	8
## 70	97	272	5.7	92	7	9
## 71	85	175	7.4	89	7	10
## 73	10	264	14.3	73	7	12
## 74	27	175	14.9	81	7	13
## 76	7	48	14.3	80	7	15
## 77	48	260	6.9	81	7	16
## 78	35	274	10.3	82	7	17
## 79	61	285	6.3	84	7	18
## 80	79	187	5.1	87	7	19
## 81	63	220	11.5	85	7	20
## 82	16	7	6.9	74	7	21
## 85	80	294	8.6	86	7	24
## 86	108	223	8.0	85	7	25
## 87	20	81	8.6	82	7	26
## 88	52	82	12.0	86	7	27
## 89	82	213	7.4	88	7	28
## 90	50	275	7.4	86	7	29
## 91	64	253	7.4	83	7	30
## 92	59	254	9.2	81	7	31
## 93	39	83	6.9	81	8	1
## 94	9	24	13.8	81	8	2
## 95	16	77	7.4	82	8	3

## 99	122	255	4.0	89	8	7
## 100	89	229	10.3	90	8	8
## 101	110	207	8.0	90	8	9
## 104	44	192	11.5	86	8	12
## 105	28	273	11.5	82	8	13
## 106	65	157	9.7	80	8	14
## 108	22	71	10.3	77	8	16
## 109	59	51	6.3	79	8	17
## 110	23	115	7.4	76	8	18
## 111	31	244	10.9	78	8	19
## 112	44	190	10.3	78	8	20
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## 114	9	36	14.3	72	8	22
## 116	45	212	9.7	79	8	24
## 117	168	238	3.4	81	8	25
## 118	73	215	8.0	86	8	26
## 120	76	203	9.7	97	8	28
## 121	118	225	2.3	94	8	29
## 122	84	237	6.3	96	8	30
## 123	85	188	6.3	94	8	31
## 124	96	167	6.9	91	9	1
## 125	78	197	5.1	92	9	2
## 126	73	183	2.8	93	9	3
## 127	91	189	4.6	93	9	4
## 128	47	95	7.4	87	9	5
## 129	32	92	15.5	84	9	6
## 130	20	252	10.9	80	9	7
## 131	23	220	10.3	78	9	8
## 132	21	230	10.9	75	9	9
## 133	24	259	9.7	73	9	10
## 134	44	236	14.9	81	9	11
## 135	21	259	15.5	76	9	12
## 136	28	238	6.3	77	9	13
## 137	9	24	10.9	71	9	14
## 138	13	112	11.5	71	9	15
## 139	46	237	6.9	78	9	16
## 140	18	224	13.8	67	9	17
## 141	13	27	10.3	76	9	18
## 142	24	238	10.3	68	9	19
## 143	16	201	8.0	82	9	20
## 144	13	238	12.6	64	9	21
## 145	23	14	9.2	71	9	22
## 146	36	139	10.3	81	9	23
## 147	7	49	10.3	69	9	24
## 148	14	20	16.6	63	9	25
## 149	30	193	6.9	70	9	26
## 151	14	191	14.3	75	9	28
## 152	18	131	8.0	76	9	29
## 153	20	223	11.5	68	9	30

### Assignment 2-3

“Knit to PDF” function does not work due to the below reason which I don’t understand  
'LaTeX failed to compile Rmarkdown\_Assignment2.tex. See  
<https://yihui.org/tinytex/r/#debugging> for debugging tips. See  
Rmarkdown\_Assignment2.log for more info.' So I knit to Word file first and convert it to  
PDF.

### Assignment 2-4 to 2-7

I did as per the instruction. Thank you.

**END**