

ANA 515, Assignment

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```
library(readxl)
#Section 2
#Reading the data into R

fuel_datasets = read.csv("https://raw.githubusercontent.com/michaelft/ANA-515_Assignment-2/master/Fuel 1

library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.5      v purrr  0.3.4
## v tibble  3.1.6      v dplyr  1.0.9
## v tidyr   1.2.0      v stringr 1.4.0
## v readr   2.1.2      v forcats 0.5.1

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()

fuel_datasets_2 = fuel_datasets %>% drop_na (Transaction.Date,Units,Unit.Cost,Net.Cost,Product.Descript.

#Section 3
#Clean the data

FUEL <- fuel_datasets_2

FUEL = rename(FUEL, "Price per Gallon"="Unit.Cost")
FUEL = rename(FUEL, "# of Gallons"="Units")

NEW_FUEL <- subset(FUEL, select = -c(6))
```

This dataframe has ‘r nrow(NEW_FUEL)’ rows and ‘ncol(NEW_FUEL)’ columns. The names of the columns and a brief description of each are in the table below:

```
#Section 4
#Characteristics of the data

library(knitr)

knitr::kable(head(NEW_FUEL[,1:7]),"pipe")
```

Transaction.Date	# of Gallons	Price per Gallon	Net.Cost	Product.Description	Merchant.City	Merchant.State. . . Province
01/01/2022	8.658	\$3.68	31.85	Unleaded Regular	Quartzsite	AZ
01/01/2022	20.204	\$3.68	74.33	Unleaded Regular	Quartzsite	AZ
01/02/2022	37.522	\$4.08	155.05	Regular Diesel #2	Quartzsite	AZ
01/02/2022	29.621	\$4.08	122.82	Regular Diesel #2	Quartzsite	AZ
01/02/2022	29.533	\$3.80	112.20	Regular Diesel #2	Tucson	AZ
01/02/2022	21.080	\$3.70	77.97	Unleaded Regular	Buckeye	AZ

```
text_fuel <-data.frame(
  Names = c("Transaction Date","Gallons Purchased","PPG","Net Cost","Product Category","City","State"),
  Description = c("Purchased Date", "Number of Gallons Purchased", "Average Price per Gallon","Total Cost")
)
text_fuel
```

```
##          Names          Description
## 1 Transaction Date      Purchased Date
## 2 Gallons Purchased Number of Gallons Purchased
## 3          PPG      Average Price per Gallon
## 4      Net Cost  Total Cost per Transaction
## 5 Product Category          Fuel Type
## 6          City          City
## 7          State          State
```

#Section 5

#Summary Statistics 5

```
subset = NEW_FUEL[,c('Transaction.Date','Net.Cost','# of Gallons')]
subset
```

```
## Transaction.Date Net.Cost # of Gallons
## 1      01/01/2022    31.85      8.658
## 2      01/01/2022    74.33     20.204
## 3      01/02/2022   155.05     37.522
## 4      01/02/2022   122.82     29.621
## 5      01/02/2022   112.20     29.533
## 6      01/02/2022    77.97     21.080
## 7      01/02/2022    15.64      3.910
## 8      01/02/2022   135.78     32.167
## 9      01/03/2022    55.02     17.470
## 10     01/03/2022    71.42     22.824
## 11     01/03/2022   125.78     30.345
## 12     01/03/2022   156.13     37.520
## 13     01/03/2022   142.72     34.754
## 14     01/03/2022    33.45      7.711
```

## 15	01/03/2022	40.44	12.134
## 16	01/03/2022	66.56	19.588
## 17	01/04/2022	70.00	22.230
## 18	01/04/2022	62.50	19.973
## 19	01/04/2022	59.08	15.971
## 20	01/04/2022	227.09	55.182
## 21	01/04/2022	128.63	31.275
## 22	01/04/2022	69.75	18.220
## 23	01/04/2022	73.00	19.843
## 24	01/04/2022	83.03	22.568
## 25	01/05/2022	20.00	5.799
## 26	01/05/2022	59.95	19.040
## 27	01/05/2022	49.68	15.780
## 28	01/05/2022	48.09	15.270
## 29	01/05/2022	73.05	17.397
## 30	01/05/2022	151.83	36.750
## 31	01/05/2022	158.53	38.659
## 32	01/05/2022	43.22	10.105
## 33	01/05/2022	57.87	17.031
## 34	01/05/2022	136.01	34.459
## 35	01/06/2022	60.01	19.060
## 36	01/06/2022	38.81	12.330
## 37	01/06/2022	44.20	14.126
## 38	01/06/2022	124.75	30.315
## 39	01/06/2022	122.19	29.465
## 40	01/06/2022	193.56	46.962
## 41	01/06/2022	100.82	24.227
## 42	01/06/2022	99.74	25.132
## 43	01/06/2022	68.88	18.421
## 44	01/06/2022	87.37	23.366
## 45	01/07/2022	58.75	18.776
## 46	01/07/2022	37.23	11.820
## 47	01/07/2022	49.74	15.800
## 48	01/07/2022	77.87	24.730
## 49	01/07/2022	59.58	16.106
## 50	01/07/2022	196.77	47.750
## 51	01/07/2022	106.83	25.699
## 52	01/07/2022	66.15	19.468
## 53	01/07/2022	99.45	23.134
## 54	01/07/2022	156.08	37.780
## 55	01/07/2022	27.39	7.444
## 56	01/08/2022	62.33	18.338
## 57	01/08/2022	61.17	16.538
## 58	01/08/2022	57.74	16.992
## 59	01/08/2022	85.98	20.001
## 60	01/08/2022	39.74	10.860
## 61	01/09/2022	159.49	38.611
## 62	01/09/2022	136.22	33.148
## 63	01/09/2022	116.10	30.008
## 64	01/09/2022	67.09	18.137
## 65	01/09/2022	116.30	28.229
## 66	01/10/2022	65.00	20.640
## 67	01/10/2022	31.14	9.890
## 68	01/10/2022	54.40	17.386

## 69	01/10/2022	103.77	24.949
## 70	01/10/2022	176.29	42.729
## 71	01/10/2022	104.56	25.330
## 72	01/10/2022	73.44	18.370
## 73	01/10/2022	84.28	22.845
## 74	01/10/2022	81.95	22.457
## 75	01/11/2022	70.00	20.297
## 76	01/11/2022	55.24	17.654
## 77	01/11/2022	77.00	24.450
## 78	01/11/2022	34.24	10.870
## 79	01/11/2022	48.76	15.584
## 80	01/11/2022	60.06	16.236
## 81	01/11/2022	167.52	40.550
## 82	01/11/2022	33.63	7.755
## 83	01/11/2022	88.63	21.239
## 84	01/11/2022	61.31	18.259
## 85	01/11/2022	62.52	17.135
## 86	01/11/2022	81.51	22.338
## 87	01/12/2022	45.09	13.267
## 88	01/12/2022	74.13	22.070
## 89	01/12/2022	32.35	10.270
## 90	01/12/2022	44.39	14.187
## 91	01/12/2022	64.70	17.491
## 92	01/12/2022	71.34	17.693
## 93	01/12/2022	23.21	5.200
## 94	01/12/2022	119.18	28.728
## 95	01/12/2022	71.05	19.208
## 96	01/12/2022	57.70	17.184
## 97	01/12/2022	92.89	25.249
## 98	01/13/2022	58.12	17.099
## 99	01/13/2022	40.17	12.760
## 100	01/13/2022	49.60	15.853
## 101	01/13/2022	161.16	39.309
## 102	01/13/2022	168.12	40.726
## 103	01/13/2022	202.64	49.188
## 104	01/13/2022	133.74	32.297
## 105	01/13/2022	78.02	21.091
## 106	01/13/2022	90.63	22.791
## 107	01/13/2022	85.23	23.041
## 108	01/14/2022	62.02	19.690
## 109	01/14/2022	30.03	9.540
## 110	01/14/2022	47.00	15.021
## 111	01/14/2022	59.28	16.246
## 112	01/14/2022	218.23	53.011
## 113	01/14/2022	71.19	16.963
## 114	01/14/2022	86.21	20.054
## 115	01/14/2022	65.79	19.587
## 116	01/15/2022	69.08	20.567
## 117	01/15/2022	30.23	8.263
## 118	01/15/2022	63.00	17.217
## 119	01/15/2022	63.92	16.390
## 120	01/15/2022	150.00	38.470
## 121	01/15/2022	68.96	18.643
## 122	01/15/2022	52.59	14.411

## 123	01/16/2022	122.70	29.590
## 124	01/16/2022	125.26	30.217
## 125	01/16/2022	122.52	31.424
## 126	01/16/2022	105.29	25.510
## 127	01/17/2022	57.90	18.623
## 128	01/17/2022	37.03	11.760
## 129	01/17/2022	59.22	17.630
## 130	01/17/2022	135.54	32.738
## 131	01/17/2022	213.35	51.813
## 132	01/17/2022	122.59	29.564
## 133	01/17/2022	122.69	30.181
## 134	01/17/2022	69.85	18.732
## 135	01/17/2022	64.59	19.234
## 136	01/18/2022	50.90	16.160
## 137	01/18/2022	87.38	28.105
## 138	01/18/2022	26.19	8.320
## 139	01/18/2022	43.88	13.930
## 140	01/18/2022	97.64	31.404
## 141	01/18/2022	59.77	16.246
## 142	01/18/2022	201.68	48.954
## 143	01/18/2022	139.71	33.761
## 144	01/18/2022	60.59	16.381
## 145	01/18/2022	62.79	18.698
## 146	01/18/2022	80.12	21.661
## 147	01/19/2022	28.84	9.276
## 148	01/19/2022	42.42	13.820
## 149	01/19/2022	76.00	24.140
## 150	01/19/2022	34.86	11.070
## 151	01/19/2022	53.82	17.090
## 152	01/19/2022	65.59	17.827
## 153	01/19/2022	211.92	51.464
## 154	01/19/2022	109.96	26.467
## 155	01/19/2022	60.83	16.446
## 156	01/19/2022	73.62	21.925
## 157	01/19/2022	84.50	23.480
## 158	01/20/2022	77.60	24.409
## 159	01/20/2022	32.78	10.680
## 160	01/20/2022	50.23	16.370
## 161	01/20/2022	118.96	28.885
## 162	01/20/2022	107.63	25.895
## 163	01/20/2022	186.46	45.223
## 164	01/20/2022	221.03	53.696
## 165	01/20/2022	74.71	20.198
## 166	01/20/2022	84.80	20.967
## 167	01/20/2022	79.44	22.257
## 168	01/21/2022	60.91	19.041
## 169	01/21/2022	69.01	22.480
## 170	01/21/2022	38.00	11.280
## 171	01/21/2022	60.61	19.750
## 172	01/21/2022	60.31	17.186
## 173	01/21/2022	189.69	46.014
## 174	01/21/2022	94.21	22.606
## 175	01/21/2022	64.66	19.256
## 176	01/21/2022	100.16	23.299

## 177	01/21/2022	115.57	28.542
## 178	01/21/2022	32.45	9.547
## 179	01/22/2022	47.42	14.118
## 180	01/22/2022	70.50	19.978
## 181	01/22/2022	64.08	17.805
## 182	01/22/2022	59.70	17.779
## 183	01/22/2022	59.44	15.982
## 184	01/22/2022	45.65	11.387
## 185	01/23/2022	39.05	11.556
## 186	01/23/2022	117.36	28.281
## 187	01/23/2022	124.44	30.018
## 188	01/23/2022	91.11	23.367
## 189	01/24/2022	55.49	18.080
## 190	01/24/2022	45.00	13.560
## 191	01/24/2022	49.36	15.875
## 192	01/24/2022	55.58	18.110
## 193	01/24/2022	112.67	27.132
## 194	01/24/2022	134.65	32.519
## 195	01/24/2022	200.62	47.980
## 196	01/24/2022	74.37	17.742
## 197	01/24/2022	152.00	36.774
## 198	01/25/2022	49.95	16.067
## 199	01/25/2022	85.71	27.567
## 200	01/25/2022	31.49	10.260
## 201	01/25/2022	48.73	15.880
## 202	01/25/2022	56.59	15.723
## 203	01/25/2022	229.89	54.980
## 204	01/25/2022	52.73	12.436
## 205	01/25/2022	152.00	36.774
## 206	01/25/2022	80.56	19.260
## 207	01/25/2022	61.79	18.402
## 208	01/25/2022	49.62	13.414
## 209	01/25/2022	49.62	13.415
## 210	01/26/2022	52.82	16.934
## 211	01/26/2022	82.19	26.436
## 212	01/26/2022	43.99	14.340
## 213	01/26/2022	52.01	15.960
## 214	01/26/2022	76.00	24.370
## 215	01/26/2022	33.57	10.940
## 216	01/26/2022	67.27	18.691
## 217	01/26/2022	198.97	48.289
## 218	01/26/2022	24.24	5.452
## 219	01/26/2022	152.00	36.774
## 220	01/26/2022	54.26	16.159
## 221	01/26/2022	59.07	16.189
## 222	01/26/2022	70.39	19.833
## 223	01/27/2022	47.01	15.320
## 224	01/27/2022	81.83	26.319
## 225	01/27/2022	46.77	13.924
## 226	01/27/2022	121.62	29.041
## 227	01/27/2022	214.10	51.872
## 228	01/27/2022	223.98	53.892
## 229	01/27/2022	213.97	51.462
## 230	01/27/2022	72.23	17.606

## 231	01/27/2022	60.21	15.848
## 232	01/28/2022	41.02	13.370
## 233	01/28/2022	45.00	14.660
## 234	01/28/2022	59.00	16.394
## 235	01/28/2022	110.02	26.224
## 236	01/28/2022	211.23	50.797
## 237	01/28/2022	64.77	17.510
## 238	01/28/2022	82.41	22.279
## 239	01/28/2022	69.61	20.241
## 240	01/29/2022	45.39	13.084
## 241	01/29/2022	56.11	16.176
## 242	01/29/2022	262.67	62.377
## 243	01/30/2022	184.14	43.585
## 244	01/30/2022	2.71	0.171
## 245	01/30/2022	185.03	43.797
## 246	01/30/2022	106.42	27.295
## 247	01/30/2022	87.52	21.350
## 248	01/31/2022	55.11	17.670
## 249	01/31/2022	44.78	14.404
## 250	01/31/2022	47.69	15.540
## 251	01/31/2022	151.55	35.786
## 252	01/31/2022	115.64	27.193
## 253	01/31/2022	152.00	35.894
## 254	01/31/2022	222.79	52.834
## 255	01/31/2022	62.23	17.735
## 256	01/31/2022	240.65	57.938
## 257	01/31/2022	65.45	18.137
## 258	01/31/2022	67.42	20.078
## 259	02/01/2022	90.66	27.482
## 260	02/01/2022	25.87	7.940
## 261	02/01/2022	30.84	10.050
## 262	02/01/2022	38.92	12.680
## 263	02/01/2022	58.98	16.388
## 264	02/01/2022	83.22	19.435
## 265	02/01/2022	107.52	25.250
## 266	02/01/2022	58.96	16.114
## 267	02/01/2022	62.32	18.560
## 268	02/01/2022	75.28	20.574
## 269	02/02/2022	35.35	10.714
## 270	02/02/2022	72.80	22.066
## 271	02/02/2022	53.76	16.500
## 272	02/02/2022	80.55	24.417
## 273	02/02/2022	64.68	17.973
## 274	02/02/2022	94.92	22.234
## 275	02/02/2022	120.66	28.394
## 276	02/02/2022	63.37	18.325
## 277	02/02/2022	47.05	13.072
## 278	02/02/2022	80.16	22.272
## 279	02/03/2022	44.07	12.965
## 280	02/03/2022	51.86	15.258
## 281	02/03/2022	45.40	13.930
## 282	02/03/2022	154.81	36.567
## 283	02/03/2022	254.10	60.762
## 284	02/03/2022	195.09	46.205

## 285	02/03/2022	97.54	23.028
## 286	02/03/2022	89.12	20.999
## 287	02/04/2022	71.75	21.233
## 288	02/04/2022	56.01	17.190
## 289	02/04/2022	49.91	15.310
## 290	02/04/2022	63.51	17.357
## 291	02/04/2022	168.41	39.800
## 292	02/04/2022	42.78	9.665
## 293	02/04/2022	116.87	27.227
## 294	02/04/2022	66.92	19.352
## 295	02/04/2022	75.50	17.563
## 296	02/04/2022	216.96	50.950
## 297	02/05/2022	72.86	21.499
## 298	02/05/2022	32.03	8.778
## 299	02/05/2022	66.18	18.086
## 300	02/05/2022	62.63	18.112
## 301	02/06/2022	160.39	37.542
## 302	02/06/2022	47.15	10.701
## 303	02/06/2022	93.46	23.970
## 304	02/06/2022	84.43	22.220
## 305	02/06/2022	121.52	28.532
## 306	02/07/2022	50.79	15.120
## 307	02/07/2022	62.17	18.510
## 308	02/07/2022	64.11	14.721
## 309	02/07/2022	188.87	44.293
## 310	02/07/2022	152.00	35.553
## 311	02/07/2022	106.44	24.579
## 312	02/07/2022	65.22	17.874
## 313	02/07/2022	74.32	20.942
## 314	02/08/2022	57.63	17.160
## 315	02/08/2022	59.02	17.414
## 316	02/08/2022	31.66	9.420
## 317	02/08/2022	59.39	17.680
## 318	02/08/2022	57.22	15.469
## 319	02/08/2022	225.15	52.590
## 320	02/08/2022	29.49	6.515
## 321	02/08/2022	152.00	35.553
## 322	02/08/2022	73.02	20.288
## 323	02/08/2022	65.19	18.852
## 324	02/08/2022	35.59	10.291
## 325	02/08/2022	88.51	24.592
## 326	02/09/2022	92.67	28.434
## 327	02/09/2022	31.29	9.310
## 328	02/09/2022	50.13	14.920
## 329	02/09/2022	67.14	18.151
## 330	02/09/2022	163.09	38.181
## 331	02/09/2022	211.60	49.679
## 332	02/09/2022	61.98	17.221
## 333	02/09/2022	58.80	17.005
## 334	02/09/2022	90.20	25.063
## 335	02/10/2022	59.22	17.473
## 336	02/10/2022	52.85	15.730
## 337	02/10/2022	83.30	24.082
## 338	02/10/2022	40.80	12.150

## 339	02/10/2022	49.26	14.660
## 340	02/10/2022	107.83	31.818
## 341	02/10/2022	142.31	33.257
## 342	02/10/2022	141.57	33.319
## 343	02/10/2022	196.29	46.052
## 344	02/10/2022	126.94	29.826
## 345	02/10/2022	93.53	21.542
## 346	02/10/2022	80.17	22.276
## 347	02/10/2022	69.83	17.910
## 348	02/10/2022	52.03	14.297
## 349	02/11/2022	50.58	14.924
## 350	02/11/2022	14.98	4.330
## 351	02/11/2022	65.83	19.600
## 352	02/11/2022	45.82	13.640
## 353	02/11/2022	57.28	16.048
## 354	02/11/2022	205.26	48.178
## 355	02/11/2022	159.89	37.424
## 356	02/11/2022	83.43	23.182
## 357	02/11/2022	66.49	19.004
## 358	02/12/2022	59.70	17.615
## 359	02/12/2022	32.46	9.384
## 360	02/12/2022	60.64	16.849
## 361	02/12/2022	60.48	16.994
## 362	02/12/2022	28.14	7.884
## 363	02/12/2022	152.05	38.600
## 364	02/12/2022	71.89	19.383
## 365	02/13/2022	152.00	35.054
## 366	02/13/2022	113.32	26.016
## 367	02/13/2022	155.19	34.495
## 368	02/13/2022	67.48	19.453
## 369	02/14/2022	59.38	17.680
## 370	02/14/2022	75.38	21.856
## 371	02/14/2022	144.81	33.374
## 372	02/14/2022	121.87	28.014
## 373	02/14/2022	220.58	51.082
## 374	02/14/2022	186.09	43.021
## 375	02/14/2022	71.31	20.623
## 376	02/15/2022	53.97	15.971
## 377	02/15/2022	90.82	26.256
## 378	02/15/2022	48.03	14.390
## 379	02/15/2022	59.37	17.780
## 380	02/15/2022	43.68	11.939
## 381	02/15/2022	57.87	15.646
## 382	02/15/2022	228.59	52.954
## 383	02/15/2022	159.57	36.824
## 384	02/15/2022	61.69	16.813
## 385	02/15/2022	57.90	16.273
## 386	02/15/2022	73.32	19.821
## 387	02/16/2022	68.20	20.070
## 388	02/16/2022	56.00	15.734
## 389	02/16/2022	68.76	19.995
## 390	02/16/2022	38.59	11.560
## 391	02/16/2022	70.96	21.250
## 392	02/16/2022	60.09	16.244

## 393	02/16/2022	71.70	19.812
## 394	02/16/2022	211.96	49.067
## 395	02/16/2022	143.47	33.061
## 396	02/16/2022	62.44	17.549
## 397	02/16/2022	81.39	22.490
## 398	02/16/2022	73.70	20.365
## 399	02/17/2022	69.93	19.987
## 400	02/17/2022	58.58	16.460
## 401	02/17/2022	47.00	13.830
## 402	02/17/2022	50.62	14.890
## 403	02/17/2022	76.06	17.308
## 404	02/17/2022	221.03	51.549
## 405	02/17/2022	182.28	42.132
## 406	02/17/2022	120.13	27.606
## 407	02/17/2022	77.30	21.067
## 408	02/17/2022	72.31	16.548
## 409	02/17/2022	86.32	23.592
## 410	02/18/2022	54.82	16.130
## 411	02/18/2022	47.62	14.010
## 412	02/18/2022	89.31	26.431
## 413	02/18/2022	54.99	15.323
## 414	02/18/2022	202.97	46.967
## 415	02/18/2022	114.46	26.282
## 416	02/18/2022	56.36	15.840
## 417	02/18/2022	80.60	21.210
## 418	02/19/2022	62.63	17.599
## 419	02/19/2022	47.06	12.587
## 420	02/19/2022	51.02	13.794
## 421	02/19/2022	64.71	18.186
## 422	02/19/2022	85.91	23.224
## 423	02/19/2022	157.53	36.348
## 424	02/19/2022	76.13	20.862
## 425	02/19/2022	71.14	17.833
## 426	02/19/2022	53.61	11.915
## 427	02/20/2022	114.03	27.819
## 428	02/20/2022	52.18	11.728
## 429	02/20/2022	144.11	32.032
## 430	02/20/2022	113.91	26.339
## 431	02/21/2022	59.88	17.722
## 432	02/21/2022	43.43	12.852
## 433	02/21/2022	67.00	20.070
## 434	02/21/2022	40.80	12.220
## 435	02/21/2022	77.04	23.070
## 436	02/21/2022	59.45	17.810
## 437	02/21/2022	155.74	35.269
## 438	02/21/2022	161.80	37.270
## 439	02/21/2022	33.88	7.451
## 440	02/21/2022	124.49	28.626
## 441	02/21/2022	60.76	13.830
## 442	02/21/2022	89.19	23.232
## 443	02/22/2022	45.89	12.857
## 444	02/22/2022	22.00	6.590
## 445	02/22/2022	26.99	8.080
## 446	02/22/2022	52.27	15.650

## 447	02/22/2022	70.00	20.960
## 448	02/22/2022	49.72	14.890
## 449	02/22/2022	64.58	17.181
## 450	02/22/2022	63.84	17.260
## 451	02/22/2022	220.75	51.121
## 452	02/22/2022	99.64	22.818
## 453	02/22/2022	57.24	16.089
## 454	02/22/2022	92.43	24.393
## 455	02/22/2022	98.58	26.017
## 456	02/23/2022	54.16	14.360
## 457	02/23/2022	101.74	28.587
## 458	02/23/2022	21.75	6.510
## 459	02/23/2022	34.70	10.390
## 460	02/23/2022	80.01	23.400
## 461	02/23/2022	47.53	14.230
## 462	02/23/2022	57.90	15.443
## 463	02/23/2022	117.40	26.969
## 464	02/23/2022	104.31	24.078
## 465	02/23/2022	72.65	19.175
## 466	02/23/2022	63.74	17.915
## 467	02/23/2022	90.47	24.068
## 468	02/24/2022	65.19	17.623
## 469	02/24/2022	58.88	17.634
## 470	02/24/2022	29.51	7.850
## 471	02/24/2022	33.85	9.006
## 472	02/24/2022	63.76	19.090
## 473	02/24/2022	60.01	17.970
## 474	02/24/2022	59.83	17.920
## 475	02/24/2022	113.90	26.152
## 476	02/24/2022	70.34	16.083
## 477	02/24/2022	167.82	38.130
## 478	02/24/2022	47.58	10.651
## 479	02/24/2022	133.72	30.783
## 480	02/24/2022	92.13	24.252
## 481	02/24/2022	101.92	23.852
## 482	02/24/2022	84.41	22.218
## 483	02/24/2022	54.77	14.379
## 484	02/25/2022	53.96	14.355
## 485	02/25/2022	41.00	11.520
## 486	02/25/2022	54.32	15.260
## 487	02/25/2022	47.11	12.434
## 488	02/25/2022	204.95	46.347
## 489	02/25/2022	106.45	23.853
## 490	02/25/2022	87.13	20.267
## 491	02/25/2022	148.13	33.580
## 492	02/25/2022	55.13	14.511
## 493	02/26/2022	63.08	16.604
## 494	02/26/2022	74.58	19.326
## 495	02/26/2022	150.00	35.723
## 496	02/26/2022	15.24	4.011
## 497	02/26/2022	70.16	18.469
## 498	02/26/2022	80.59	19.192
## 499	02/26/2022	87.05	22.557
## 500	02/26/2022	56.95	15.151

## 501	02/27/2022	112.73	25.287
## 502	02/27/2022	136.49	30.713
## 503	02/27/2022	66.63	17.726
## 504	02/27/2022	63.94	16.655
## 505	02/27/2022	162.68	37.464
## 506	02/28/2022	38.56	10.834
## 507	02/28/2022	98.01	26.074
## 508	02/28/2022	68.76	19.100
## 509	02/28/2022	64.87	18.230
## 510	02/28/2022	60.05	16.870
## 511	02/28/2022	61.38	17.250
## 512	02/28/2022	87.83	19.601
## 513	02/28/2022	111.52	25.183
## 514	02/28/2022	237.17	53.705
## 515	02/28/2022	146.60	33.021
## 516	02/28/2022	112.54	25.774
## 517	02/28/2022	95.16	22.136
## 518	02/28/2022	49.44	12.360
## 519	03/01/2022	75.60	20.110
## 520	03/01/2022	65.56	17.440
## 521	03/01/2022	35.08	9.860
## 522	03/01/2022	43.36	12.050
## 523	03/01/2022	71.19	20.000
## 524	03/01/2022	35.00	9.720
## 525	03/01/2022	31.33	8.098
## 526	03/01/2022	31.08	8.182
## 527	03/01/2022	188.30	42.543
## 528	03/01/2022	121.43	27.274
## 529	03/01/2022	78.42	20.113
## 530	03/01/2022	88.13	22.602
## 531	03/01/2022	66.83	17.922
## 532	03/02/2022	87.78	24.660
## 533	03/02/2022	18.46	5.130
## 534	03/02/2022	50.70	14.250
## 535	03/02/2022	43.62	11.217
## 536	03/02/2022	53.42	13.630
## 537	03/02/2022	196.98	43.533
## 538	03/02/2022	56.67	12.206
## 539	03/02/2022	85.62	22.656
## 540	03/02/2022	102.82	22.815
## 541	03/03/2022	40.33	11.330
## 542	03/03/2022	100.02	25.260
## 543	03/03/2022	60.98	15.400
## 544	03/03/2022	83.17	20.800
## 545	03/03/2022	73.10	18.280
## 546	03/03/2022	85.75	21.440
## 547	03/03/2022	53.74	11.057
## 548	03/03/2022	183.79	39.102
## 549	03/03/2022	89.62	18.726
## 550	03/03/2022	164.96	34.827
## 551	03/03/2022	96.72	20.641
## 552	03/03/2022	65.21	16.730
## 553	03/04/2022	50.84	12.710
## 554	03/04/2022	78.66	19.670

## 555	03/04/2022	43.56	10.230
## 556	03/04/2022	62.34	15.750
## 557	03/04/2022	42.99	10.860
## 558	03/04/2022	38.00	9.600
## 559	03/04/2022	59.48	14.618
## 560	03/04/2022	46.69	11.474
## 561	03/04/2022	212.08	43.058
## 562	03/04/2022	237.49	48.267
## 563	03/04/2022	61.15	15.687
## 564	03/04/2022	82.67	20.169
## 565	03/04/2022	96.80	24.205
## 566	03/04/2022	44.29	10.806
## 567	03/05/2022	53.37	13.350
## 568	03/05/2022	58.82	13.683
## 569	03/05/2022	64.71	15.558
## 570	03/05/2022	264.54	51.691
## 571	03/05/2022	66.99	16.755
## 572	03/05/2022	100.55	22.858
## 573	03/05/2022	239.21	46.705
## 574	03/06/2022	182.10	35.459
## 575	03/06/2022	202.68	39.511
## 576	03/06/2022	133.63	27.846
## 577	03/06/2022	152.77	29.861
## 578	03/07/2022	41.90	9.840
## 579	03/07/2022	67.89	15.940
## 580	03/07/2022	85.40	19.860
## 581	03/07/2022	139.80	27.131
## 582	03/07/2022	72.04	13.873
## 583	03/07/2022	123.68	23.958
## 584	03/07/2022	138.86	27.432
## 585	03/07/2022	90.29	20.524
## 586	03/07/2022	116.93	22.899
## 587	03/08/2022	90.27	21.000
## 588	03/08/2022	54.46	12.670
## 589	03/08/2022	49.08	11.520
## 590	03/08/2022	42.63	10.010
## 591	03/08/2022	67.90	15.940
## 592	03/08/2022	49.00	11.510
## 593	03/08/2022	57.10	12.776
## 594	03/08/2022	70.86	16.255
## 595	03/08/2022	86.92	17.520
## 596	03/08/2022	92.95	17.562
## 597	03/08/2022	128.35	24.539
## 598	03/08/2022	110.20	25.051
## 599	03/08/2022	63.22	15.814
## 600	03/08/2022	92.36	20.083
## 601	03/09/2022	103.02	23.100
## 602	03/09/2022	49.00	10.990
## 603	03/09/2022	114.80	25.520
## 604	03/09/2022	66.54	14.790
## 605	03/09/2022	59.57	12.678
## 606	03/09/2022	70.23	15.611
## 607	03/09/2022	93.03	20.677
## 608	03/09/2022	236.54	42.497

## 609	03/09/2022	103.28	23.215
## 610	03/09/2022	145.55	26.491
## 611	03/10/2022	56.51	12.670
## 612	03/10/2022	43.45	9.740
## 613	03/10/2022	60.00	13.460
## 614	03/10/2022	79.79	17.740
## 615	03/10/2022	42.43	9.430
## 616	03/10/2022	45.15	10.040
## 617	03/10/2022	204.61	36.912
## 618	03/10/2022	114.85	21.830
## 619	03/10/2022	30.52	7.633
## 620	03/10/2022	117.36	20.604
## 621	03/10/2022	152.00	27.179
## 622	03/10/2022	57.85	10.119
## 623	03/10/2022	25.67	4.288
## 624	03/10/2022	76.21	16.754
## 625	03/10/2022	94.51	20.112
## 626	03/10/2022	261.33	49.670
## 627	03/10/2022	88.59	19.824
## 628	03/11/2022	92.37	20.530
## 629	03/11/2022	88.71	19.720
## 630	03/11/2022	95.33	21.380
## 631	03/11/2022	109.00	24.450
## 632	03/11/2022	47.00	10.540
## 633	03/11/2022	58.99	12.912
## 634	03/11/2022	59.90	12.748
## 635	03/11/2022	152.85	27.332
## 636	03/11/2022	171.10	30.639
## 637	03/11/2022	84.49	18.212
## 638	03/11/2022	88.15	18.759
## 639	03/11/2022	217.82	41.400
## 640	03/11/2022	79.25	16.865
## 641	03/12/2022	68.53	14.901
## 642	03/12/2022	66.12	14.376
## 643	03/12/2022	254.25	48.707
## 644	03/12/2022	75.64	16.448
## 645	03/12/2022	90.39	19.236
## 646	03/12/2022	167.08	30.946
## 647	03/13/2022	153.54	27.659
## 648	03/13/2022	134.76	24.231
## 649	03/13/2022	98.22	22.378
## 650	03/13/2022	157.18	29.113
## 651	03/14/2022	72.58	16.130
## 652	03/14/2022	93.51	21.160
## 653	03/14/2022	45.01	10.100
## 654	03/14/2022	41.63	9.340
## 655	03/14/2022	55.77	12.400
## 656	03/14/2022	122.70	22.030
## 657	03/14/2022	191.37	34.563
## 658	03/14/2022	47.46	8.297
## 659	03/14/2022	169.41	30.723
## 660	03/14/2022	101.92	22.653
## 661	03/14/2022	74.15	16.123
## 662	03/14/2022	87.26	19.525

## 663	03/15/2022	106.01	23.770
## 664	03/15/2022	55.83	12.520
## 665	03/15/2022	82.13	18.420
## 666	03/15/2022	56.01	12.560
## 667	03/15/2022	47.82	10.820
## 668	03/15/2022	97.39	21.650
## 669	03/15/2022	46.67	10.215
## 670	03/15/2022	51.35	10.927
## 671	03/15/2022	189.75	34.647
## 672	03/15/2022	303.69	55.672
## 673	03/15/2022	66.02	14.350
## 674	03/15/2022	84.79	18.972
## 675	03/16/2022	55.04	11.960
## 676	03/16/2022	43.05	9.650
## 677	03/16/2022	48.01	10.770
## 678	03/16/2022	42.02	9.420
## 679	03/16/2022	69.31	15.540
## 680	03/16/2022	87.15	19.370
## 681	03/16/2022	118.85	26.480
## 682	03/16/2022	87.07	19.400
## 683	03/16/2022	33.41	7.630
## 684	03/16/2022	64.68	12.680
## 685	03/16/2022	67.52	14.430
## 686	03/16/2022	57.24	12.182
## 687	03/16/2022	260.48	48.054
## 688	03/16/2022	280.16	51.047
## 689	03/16/2022	83.76	17.825
## 690	03/16/2022	88.32	19.416
## 691	03/16/2022	175.43	32.790
## 692	03/17/2022	110.02	24.670
## 693	03/17/2022	71.78	16.390
## 694	03/17/2022	97.49	21.670
## 695	03/17/2022	36.68	8.150
## 696	03/17/2022	71.13	15.880
## 697	03/17/2022	50.92	11.320
## 698	03/17/2022	77.37	14.170
## 699	03/17/2022	132.95	24.759
## 700	03/17/2022	301.62	56.331
## 701	03/17/2022	131.32	24.312
## 702	03/17/2022	89.10	19.165
## 703	03/17/2022	98.87	18.316
## 704	03/17/2022	78.95	14.549
## 705	03/17/2022	110.36	23.637
## 706	03/17/2022	82.99	18.570
## 707	03/18/2022	52.78	11.890
## 708	03/18/2022	99.03	22.310
## 709	03/18/2022	63.01	14.130
## 710	03/18/2022	68.56	15.380
## 711	03/18/2022	45.51	10.250
## 712	03/18/2022	51.01	11.340
## 713	03/18/2022	88.52	20.310
## 714	03/18/2022	81.54	17.578
## 715	03/18/2022	50.94	10.981
## 716	03/18/2022	135.71	25.139

## 717	03/18/2022	274.38	51.209
## 718	03/18/2022	93.42	20.093
## 719	03/18/2022	67.49	15.005
## 720	03/18/2022	103.43	22.247
## 721	03/18/2022	179.66	33.510
## 722	03/18/2022	64.07	13.635
## 723	03/19/2022	71.55	15.227
## 724	03/19/2022	79.79	17.738
## 725	03/20/2022	168.65	31.331
## 726	03/20/2022	79.50	14.571
## 727	03/20/2022	126.81	26.424
## 728	03/20/2022	77.38	17.631
## 729	03/20/2022	148.43	27.897
## 730	03/21/2022	65.21	13.040
## 731	03/21/2022	49.39	11.030
## 732	03/21/2022	63.79	14.240
## 733	03/21/2022	46.36	10.440
## 734	03/21/2022	73.16	16.480
## 735	03/21/2022	50.05	11.280
## 736	03/21/2022	50.99	11.490
## 737	03/21/2022	51.35	9.348
## 738	03/21/2022	235.23	44.181
## 739	03/21/2022	113.48	21.239
## 740	03/21/2022	159.15	29.108
## 741	03/21/2022	104.25	22.660
## 742	03/22/2022	51.94	11.700
## 743	03/22/2022	65.00	14.640
## 744	03/22/2022	70.48	15.880
## 745	03/22/2022	61.85	13.870
## 746	03/22/2022	47.00	10.590
## 747	03/22/2022	66.04	14.750
## 748	03/22/2022	44.38	9.910
## 749	03/22/2022	122.66	27.260
## 750	03/22/2022	79.93	17.230
## 751	03/22/2022	75.26	16.017
## 752	03/22/2022	118.20	22.138
## 753	03/22/2022	268.30	50.445
## 754	03/22/2022	86.56	18.422
## 755	03/22/2022	82.41	18.322
## 756	03/22/2022	84.12	17.902
## 757	03/22/2022	59.50	12.744
## 758	03/23/2022	45.00	10.140
## 759	03/23/2022	41.00	9.190
## 760	03/23/2022	44.23	9.960
## 761	03/23/2022	70.50	15.880
## 762	03/23/2022	72.80	17.090
## 763	03/23/2022	89.41	19.870
## 764	03/23/2022	46.34	10.300
## 765	03/23/2022	225.65	41.700
## 766	03/23/2022	72.05	15.334
## 767	03/23/2022	57.41	10.496
## 768	03/23/2022	101.44	18.944
## 769	03/23/2022	99.77	21.459
## 770	03/23/2022	73.86	16.420

## 771	03/23/2022	111.20	23.665
## 772	03/24/2022	76.51	17.010
## 773	03/24/2022	52.79	11.840
## 774	03/24/2022	94.66	21.320
## 775	03/24/2022	45.37	10.220
## 776	03/24/2022	64.48	14.530
## 777	03/24/2022	121.60	22.317
## 778	03/24/2022	67.95	12.564
## 779	03/24/2022	299.02	56.264
## 780	03/24/2022	97.65	18.119
## 781	03/24/2022	104.54	22.485
## 782	03/24/2022	112.46	24.190
## 783	03/24/2022	39.78	8.576
## 784	03/24/2022	63.89	13.597
## 785	03/25/2022	62.66	14.120
## 786	03/25/2022	51.47	11.600
## 787	03/25/2022	62.82	14.150
## 788	03/25/2022	49.99	11.260
## 789	03/25/2022	61.02	13.560
## 790	03/25/2022	143.48	26.801
## 791	03/25/2022	213.87	40.135
## 792	03/25/2022	99.86	21.027
## 793	03/25/2022	91.07	19.380
## 794	03/25/2022	93.22	20.270
## 795	03/25/2022	53.14	11.382
## 796	03/26/2022	88.47	19.750
## 797	03/26/2022	67.94	14.551
## 798	03/26/2022	252.45	50.302
## 799	03/26/2022	104.15	22.540
## 800	03/26/2022	238.25	47.449
## 801	03/26/2022	182.17	32.537
## 802	03/27/2022	262.67	49.378
## 803	03/27/2022	51.38	9.354
## 804	03/27/2022	134.00	27.353
## 805	03/27/2022	91.91	19.550
## 806	03/27/2022	191.23	35.846
## 807	03/28/2022	45.05	10.150
## 808	03/28/2022	35.59	8.360
## 809	03/28/2022	39.10	8.810
## 810	03/28/2022	72.33	16.300
## 811	03/28/2022	46.00	10.360
## 812	03/28/2022	42.50	9.490
## 813	03/28/2022	49.57	11.020
## 814	03/28/2022	34.29	8.050
## 815	03/28/2022	153.38	28.675
## 816	03/28/2022	101.94	18.932
## 817	03/28/2022	112.21	20.877
## 818	03/28/2022	89.47	18.800
## 819	03/28/2022	73.39	16.317
## 820	03/28/2022	51.61	11.126
## 821	03/29/2022	99.82	22.490
## 822	03/29/2022	42.00	9.460
## 823	03/29/2022	43.67	9.710
## 824	03/29/2022	90.78	20.180

## 825	03/29/2022	74.02	15.522
## 826	03/29/2022	240.90	45.255
## 827	03/29/2022	165.49	30.969
## 828	03/29/2022	71.37	15.866
## 829	03/29/2022	50.91	10.903
## 830	03/30/2022	82.11	18.500
## 831	03/30/2022	41.94	9.320
## 832	03/30/2022	88.20	19.600
## 833	03/30/2022	111.51	24.790
## 834	03/30/2022	77.65	17.260
## 835	03/30/2022	32.75	7.280
## 836	03/30/2022	79.41	17.890
## 837	03/30/2022	50.56	11.390
## 838	03/30/2022	50.01	11.270
## 839	03/30/2022	44.00	9.910
## 840	03/30/2022	65.86	13.811
## 841	03/30/2022	206.48	38.734
## 842	03/30/2022	247.20	46.449
## 843	03/30/2022	68.75	15.285
## 844	03/30/2022	152.20	30.447
## 845	03/30/2022	228.18	43.091
## 846	03/31/2022	43.93	9.770
## 847	03/31/2022	45.49	10.110
## 848	03/31/2022	33.52	7.450
## 849	03/31/2022	79.42	17.890
## 850	03/31/2022	325.60	59.620
## 851	03/31/2022	134.73	25.432
## 852	03/31/2022	111.31	21.066
## 853	03/31/2022	193.10	36.827
## 854	03/31/2022	23.80	4.178
## 855	03/31/2022	123.62	23.170
## 856	03/31/2022	50.07	10.794
## 857	04/18/2022	73.43	17.830
## 858	04/21/2022	79.74	19.360
## 859	04/14/2022	63.75	15.330
## 860	04/14/2022	45.97	11.050
## 861	04/14/2022	42.52	9.670
## 862	04/18/2022	48.90	11.760
## 863	04/23/2022	99.03	20.810
## 864	04/21/2022	84.47	19.120
## 865	04/15/2022	42.46	9.570
## 866	04/13/2022	60.00	13.640
## 867	04/14/2022	83.52	20.080
## 868	04/14/2022	114.80	26.100
## 869	04/15/2022	36.06	8.270
## 870	04/22/2022	83.93	19.080
## 871	04/13/2022	69.96	16.580
## 872	04/21/2022	76.08	17.300
## 873	04/21/2022	72.32	16.440
## 874	04/12/2022	95.95	21.810
## 875	04/15/2022	39.00	9.380
## 876	04/15/2022	68.67	16.510
## 877	04/28/2022	49.22	11.560
## 878	04/25/2022	54.00	13.110

## 879	04/27/2022	79.41	19.520
## 880	04/27/2022	41.03	10.080
## 881	04/13/2022	43.12	10.370
## 882	04/29/2022	82.36	18.720
## 883	04/29/2022	80.18	18.230
## 884	04/02/2022	84.46	19.380
## 885	04/11/2022	79.42	18.050
## 886	04/27/2022	81.77	18.590
## 887	04/13/2022	66.51	15.990
## 888	04/13/2022	46.00	11.060
## 889	04/12/2022	38.36	9.220
## 890	04/11/2022	37.63	8.550
## 891	04/29/2022	43.00	10.340
## 892	04/11/2022	84.12	20.130
## 893	04/12/2022	49.96	12.010
## 894	04/01/2022	73.55	16.350
## 895	04/12/2022	71.24	17.130
## 896	04/01/2022	21.34	5.060
## 897	04/07/2022	50.03	11.640
## 898	04/07/2022	48.00	11.160
## 899	04/05/2022	37.60	8.750
## 900	04/26/2022	55.99	13.760
## 901	04/07/2022	39.20	9.290
## 902	04/05/2022	73.24	16.650
## 903	04/05/2022	45.00	10.230
## 904	04/07/2022	42.21	9.980
## 905	04/07/2022	85.04	19.780
## 906	04/06/2022	32.44	7.550
## 907	04/08/2022	72.41	17.120
## 908	04/06/2022	17.68	4.020
## 909	04/08/2022	28.01	6.620
## 910	04/08/2022	47.01	11.120
## 911	04/26/2022	83.60	18.920
## 912	04/26/2022	77.06	18.940
## 913	04/26/2022	44.33	10.790
## 914	04/28/2022	38.01	8.720
## 915	04/26/2022	79.48	18.070
## 916	04/26/2022	54.00	13.140
## 917	04/26/2022	66.98	15.580
## 918	04/26/2022	82.63	19.960
## 919	04/24/2022	33.74	7.670
## 920	04/08/2022	55.67	12.660
## 921	04/07/2022	113.39	25.780
## 922	04/07/2022	38.59	8.650
## 923	04/28/2022	67.62	16.620
## 924	04/28/2022	56.00	12.790
## 925	04/07/2022	94.86	21.560
## 926	04/15/2022	47.27	10.650
## 927	04/08/2022	53.05	12.060
## 928	04/25/2022	42.11	9.570
## 929	04/25/2022	84.79	19.270
## 930	04/27/2022	42.50	10.450
## 931	04/21/2022	46.15	11.200
## 932	04/19/2022	56.45	13.570

## 933	04/21/2022	93.30	21.310
## 934	04/27/2022	51.70	11.860
## 935	04/19/2022	49.97	11.460
## 936	04/19/2022	67.68	16.270
## 937	04/21/2022	86.98	20.420
## 938	04/20/2022	43.66	10.600
## 939	04/04/2022	40.64	9.240
## 940	04/06/2022	76.47	17.790
## 941	04/20/2022	31.57	7.660
## 942	04/06/2022	50.00	11.630
## 943	04/20/2022	116.99	28.400
## 944	04/06/2022	39.52	9.190
## 945	04/04/2022	59.36	13.740
## 946	04/04/2022	39.25	9.170
## 947	04/18/2022	82.08	18.660
## 948	04/04/2022	38.47	8.990
## 949	04/04/2022	45.50	10.540
## 950	04/20/2022	46.01	11.170
## 951	04/20/2022	42.79	10.390
## 952	04/20/2022	65.25	15.840
## 953	04/19/2022	73.93	17.360
## 954	04/12/2022	67.46	16.220
## 955	04/19/2022	46.73	11.350
## 956	04/19/2022	53.29	12.940
## 957	04/14/2022	44.49	10.700
## 958	04/14/2022	43.56	10.470
## 959	04/05/2022	50.06	11.700
## 960	04/22/2022	35.50	8.030
## 961	04/06/2022	59.06	13.800
## 962	04/04/2022	43.21	9.690
## 963	04/27/2022	66.04	15.010
## 964	04/04/2022	96.37	21.910
## 965	04/01/2022	79.71	18.290
## 966	04/11/2022	70.36	16.920
## 967	04/29/2022	50.00	11.960
## 968	04/01/2022	48.41	11.110
## 969	04/05/2022	67.62	15.800
## 970	04/27/2022	60.77	14.790
## 971	04/11/2022	45.02	10.820
## 972	04/22/2022	26.00	6.310
## 973	04/11/2022	82.29	19.790
## 974	04/01/2022	61.53	12.957
## 975	04/01/2022	130.46	24.757
## 976	04/01/2022	241.50	45.890
## 977	04/01/2022	68.79	15.294
## 978	04/01/2022	61.69	13.298
## 979	04/01/2022	64.97	12.033
## 980	04/02/2022	108.51	20.099
## 981	04/02/2022	250.07	51.477
## 982	04/03/2022	102.97	19.347
## 983	04/03/2022	163.96	31.032
## 984	04/03/2022	194.20	37.328
## 985	04/03/2022	141.56	26.896
## 986	04/04/2022	123.06	23.196

## 987	04/04/2022	195.45	37.280
## 988	04/04/2022	214.52	40.720
## 989	04/04/2022	96.32	18.318
## 990	04/04/2022	84.08	18.283
## 991	04/04/2022	63.40	13.786
## 992	04/04/2022	64.14	14.583
## 993	04/05/2022	23.90	5.119
## 994	04/05/2022	64.90	13.665
## 995	04/05/2022	139.03	26.407
## 996	04/05/2022	226.91	43.095
## 997	04/05/2022	74.58	16.957
## 998	04/05/2022	87.40	18.920
## 999	04/05/2022	62.25	13.362
## 1000	04/06/2022	69.95	14.886
## 1001	04/06/2022	284.24	54.080
## 1002	04/06/2022	188.19	35.881
## 1003	04/06/2022	84.20	17.918
## 1004	04/06/2022	66.82	15.193
## 1005	04/06/2022	84.70	18.140
## 1006	04/07/2022	130.94	24.706
## 1007	04/07/2022	147.74	27.925
## 1008	04/07/2022	230.48	43.778
## 1009	04/07/2022	115.96	21.836
## 1010	04/07/2022	75.03	16.035
## 1011	04/07/2022	108.77	20.736
## 1012	04/07/2022	80.26	17.191
## 1013	04/08/2022	59.20	12.845
## 1014	04/08/2022	61.38	13.404
## 1015	04/08/2022	229.79	43.647
## 1016	04/08/2022	118.36	22.296
## 1017	04/08/2022	68.92	15.671
## 1018	04/09/2022	53.22	11.648
## 1019	04/09/2022	66.06	14.554
## 1020	04/09/2022	216.29	45.411
## 1021	04/09/2022	68.69	15.686
## 1022	04/09/2022	227.18	47.718
## 1023	04/09/2022	113.22	20.970
## 1024	04/09/2022	44.19	9.650
## 1025	04/09/2022	145.51	30.320
## 1026	04/10/2022	142.82	27.191
## 1027	04/10/2022	162.24	30.940
## 1028	04/10/2022	23.99	1.000
## 1029	04/10/2022	2.18	1.000
## 1030	04/10/2022	97.00	21.417
## 1031	04/10/2022	111.83	22.827
## 1032	04/10/2022	104.72	23.805
## 1033	04/11/2022	109.52	21.004
## 1034	04/11/2022	162.17	31.290
## 1035	04/11/2022	77.68	14.784
## 1036	04/11/2022	166.01	32.040
## 1037	04/11/2022	100.07	18.535
## 1038	04/12/2022	23.37	5.241
## 1039	04/12/2022	67.75	14.731
## 1040	04/12/2022	216.25	41.854

## 1041	04/12/2022	185.53	36.065
## 1042	04/12/2022	62.72	14.261
## 1043	04/12/2022	86.75	19.325
## 1044	04/13/2022	40.26	9.030
## 1045	04/13/2022	71.18	15.277
## 1046	04/13/2022	248.64	48.181
## 1047	04/13/2022	126.20	24.406
## 1048	04/13/2022	74.93	17.037
## 1049	04/13/2022	211.92	41.250
## 1050	04/14/2022	218.28	42.250
## 1051	04/14/2022	107.79	20.788
## 1052	04/14/2022	239.80	46.454
## 1053	04/14/2022	129.97	24.999
## 1054	04/14/2022	73.77	16.398
## 1055	04/14/2022	163.15	31.667
## 1056	04/14/2022	11.89	3.670
## 1057	04/14/2022	49.26	11.200
## 1058	04/14/2022	85.00	18.604
## 1059	04/15/2022	57.60	12.859
## 1060	04/15/2022	54.94	12.322
## 1061	04/15/2022	196.30	37.956
## 1062	04/15/2022	112.06	21.501
## 1063	04/15/2022	60.91	13.846
## 1064	04/15/2022	90.53	20.303
## 1065	04/15/2022	89.00	19.870
## 1066	04/15/2022	151.11	27.670
## 1067	04/15/2022	27.01	6.140
## 1068	04/16/2022	51.35	11.517
## 1069	04/16/2022	72.00	16.256
## 1070	04/16/2022	130.43	26.108
## 1071	04/16/2022	68.01	15.460
## 1072	04/17/2022	187.36	36.211
## 1073	04/17/2022	182.16	35.194
## 1074	04/17/2022	120.24	24.544
## 1075	04/17/2022	104.26	22.670
## 1076	04/17/2022	224.28	43.169
## 1077	04/17/2022	165.21	31.514
## 1078	04/18/2022	196.49	37.772
## 1079	04/18/2022	79.55	14.974
## 1080	04/18/2022	135.68	25.763
## 1081	04/18/2022	104.92	22.813
## 1082	04/18/2022	50.02	10.996
## 1083	04/18/2022	50.73	11.455
## 1084	04/19/2022	60.26	12.934
## 1085	04/19/2022	262.13	50.228
## 1086	04/19/2022	108.43	20.670
## 1087	04/19/2022	90.00	20.004
## 1088	04/19/2022	69.59	15.823
## 1089	04/19/2022	99.75	22.171
## 1090	04/20/2022	49.08	11.008
## 1091	04/20/2022	70.31	15.091
## 1092	04/20/2022	101.29	19.134
## 1093	04/20/2022	254.87	48.451
## 1094	04/20/2022	81.00	18.003

## 1095	04/20/2022	58.18	13.229
## 1096	04/20/2022	85.50	19.005
## 1097	04/21/2022	166.17	31.276
## 1098	04/21/2022	97.52	18.094
## 1099	04/21/2022	122.07	22.744
## 1100	04/21/2022	248.28	46.652
## 1101	04/21/2022	82.95	18.438
## 1102	04/21/2022	195.22	36.811
## 1103	04/21/2022	99.00	22.005
## 1104	04/22/2022	50.50	11.403
## 1105	04/22/2022	65.86	14.447
## 1106	04/22/2022	156.81	29.325
## 1107	04/22/2022	257.65	48.427
## 1108	04/22/2022	65.29	14.845
## 1109	04/22/2022	96.45	19.293
## 1110	04/22/2022	169.19	30.980
## 1111	04/23/2022	50.26	11.271
## 1112	04/23/2022	71.57	16.159
## 1113	04/23/2022	250.93	49.597
## 1114	04/23/2022	62.99	14.320
## 1115	04/23/2022	116.00	22.312
## 1116	04/23/2022	50.00	10.003
## 1117	04/24/2022	86.82	16.067
## 1118	04/24/2022	221.03	41.490
## 1119	04/24/2022	147.49	30.107
## 1120	04/24/2022	112.54	24.156
## 1121	04/24/2022	148.87	27.821
## 1122	04/24/2022	194.16	36.609
## 1123	04/25/2022	109.56	20.492
## 1124	04/25/2022	85.39	15.796
## 1125	04/25/2022	128.25	24.053
## 1126	04/25/2022	100.16	20.036
## 1127	04/25/2022	50.65	11.594
## 1128	04/26/2022	63.06	13.832
## 1129	04/26/2022	116.82	21.874
## 1130	04/26/2022	227.33	42.928
## 1131	04/26/2022	66.26	15.065
## 1132	04/26/2022	98.95	22.494
## 1133	04/27/2022	63.27	13.877
## 1134	04/27/2022	73.62	16.736
## 1135	04/27/2022	246.77	46.018
## 1136	04/27/2022	112.68	20.926
## 1137	04/27/2022	68.80	15.292
## 1138	04/27/2022	60.82	13.829
## 1139	04/27/2022	101.30	23.028
## 1140	04/27/2022	49.01	11.141
## 1141	04/28/2022	97.21	17.900
## 1142	04/28/2022	205.96	38.345
## 1143	04/28/2022	217.58	42.113
## 1144	04/28/2022	231.30	43.110
## 1145	04/28/2022	71.51	15.894
## 1146	04/28/2022	174.00	32.520
## 1147	04/28/2022	101.50	23.074
## 1148	04/29/2022	52.86	12.098

## 1149	04/29/2022	63.63	13.956
## 1150	04/29/2022	127.64	22.360
## 1151	04/29/2022	240.93	42.522
## 1152	04/29/2022	64.20	14.598
## 1153	04/29/2022	97.69	21.058
## 1154	04/29/2022	53.86	12.215
## 1155	04/30/2022	67.11	15.326
## 1156	04/30/2022	184.17	34.248
## 1157	04/30/2022	65.71	14.937
## 1158	04/30/2022	94.87	20.190
## 1159	04/30/2022	187.95	36.151
## 1160	04/30/2022	103.58	20.314
## 1161	05/01/2022	148.12	26.004
## 1162	05/01/2022	167.15	29.391
## 1163	05/01/2022	151.46	29.133
## 1164	05/01/2022	209.94	41.996
## 1165	05/01/2022	95.73	21.761
## 1166	05/03/2022	92.01	18.406
## 1167	05/01/2022	221.99	39.361
## 1168	05/01/2022	151.41	26.591
## 1169	05/02/2022	25.99	1.000
## 1170	05/02/2022	2.37	1.000
## 1171	05/02/2022	11.20	2.668
## 1172	05/02/2022	215.07	37.388
## 1173	05/02/2022	155.93	27.395
## 1174	05/02/2022	89.80	15.625
## 1175	05/02/2022	181.85	32.180
## 1176	05/02/2022	174.97	31.513
## 1177	05/02/2022	103.27	22.652
## 1178	05/02/2022	44.34	10.012
## 1179	05/03/2022	7.03	1.675
## 1180	05/03/2022	227.66	39.597
## 1181	05/03/2022	156.92	27.570
## 1182	05/03/2022	62.44	14.193
## 1183	05/03/2022	128.10	22.442
## 1184	05/03/2022	209.87	37.193
## 1185	05/03/2022	71.03	16.151
## 1186	05/04/2022	96.60	21.663
## 1187	05/05/2022	91.65	20.371
## 1188	05/04/2022	47.62	10.584
## 1189	05/04/2022	131.20	22.993
## 1190	05/04/2022	66.10	14.498
## 1191	05/04/2022	294.75	51.368
## 1192	05/06/2022	92.80	20.626
## 1193	05/04/2022	119.37	21.000
## 1194	05/04/2022	132.73	23.266
## 1195	05/04/2022	62.29	14.164
## 1196	05/04/2022	98.10	22.301
## 1197	05/05/2022	120.22	21.040
## 1198	05/05/2022	181.50	31.945
## 1199	05/05/2022	253.71	44.168
## 1200	05/05/2022	12.97	3.090
## 1201	05/05/2022	196.61	34.821
## 1202	05/05/2022	153.48	26.958

## 1203	05/05/2022	119.71	20.948
## 1204	05/05/2022	137.76	24.734
## 1205	05/05/2022	100.10	22.500
## 1206	05/08/2022	108.44	23.630
## 1207	05/05/2022	47.61	10.848
## 1208	05/06/2022	290.93	51.420
## 1209	05/06/2022	60.89	13.355
## 1210	05/06/2022	133.51	23.405
## 1211	05/06/2022	129.65	22.717
## 1212	05/06/2022	107.67	18.806
## 1213	05/06/2022	68.15	15.151
## 1214	05/06/2022	103.00	23.099
## 1215	05/07/2022	63.22	14.471
## 1216	05/07/2022	290.81	51.399
## 1217	05/07/2022	53.24	12.102
## 1218	05/07/2022	144.41	25.345
## 1219	05/07/2022	67.46	14.995
## 1220	05/11/2022	79.30	17.627
## 1221	05/08/2022	301.61	53.321
## 1222	05/08/2022	340.70	60.602
## 1223	05/09/2022	175.82	30.934
## 1224	05/09/2022	229.87	40.554
## 1225	05/09/2022	302.00	53.390
## 1226	05/09/2022	128.65	22.661
## 1227	05/09/2022	148.54	26.080
## 1228	05/09/2022	154.05	27.701
## 1229	05/09/2022	112.82	20.896
## 1230	05/10/2022	50.81	11.630
## 1231	05/10/2022	141.52	25.008
## 1232	05/10/2022	2.09	1.000
## 1233	05/10/2022	22.99	1.000
## 1234	05/10/2022	288.30	51.318
## 1235	05/10/2022	65.79	14.431
## 1236	05/10/2022	128.50	22.675
## 1237	05/10/2022	139.31	24.745
## 1238	05/10/2022	95.19	21.158
## 1239	05/10/2022	64.92	14.432
## 1240	05/10/2022	98.23	21.834
## 1241	05/11/2022	49.21	11.187
## 1242	05/11/2022	134.85	23.812
## 1243	05/11/2022	280.57	49.931
## 1244	05/11/2022	68.73	15.075
## 1245	05/11/2022	138.31	24.432
## 1246	05/11/2022	94.96	16.663
## 1247	05/11/2022	99.25	22.060
## 1248	05/12/2022	81.65	14.277
## 1249	05/12/2022	172.03	30.477
## 1250	05/12/2022	281.64	50.123
## 1251	05/12/2022	195.78	34.733
## 1252	05/12/2022	132.95	23.472
## 1253	05/12/2022	102.16	17.953
## 1254	05/12/2022	85.70	19.048
## 1255	05/12/2022	175.66	31.638
## 1256	05/12/2022	99.50	22.117

## 1257	05/12/2022	60.10	13.362
## 1258	05/12/2022	63.98	14.033
## 1259	05/13/2022	93.95	21.503
## 1260	05/13/2022	179.53	31.822
## 1261	05/13/2022	231.72	41.176
## 1262	05/13/2022	167.23	29.616
## 1263	05/13/2022	143.06	25.284
## 1264	05/13/2022	67.71	15.053
## 1265	05/13/2022	95.50	21.227
## 1266	05/13/2022	94.81	21.073
## 1267	05/14/2022	51.26	11.652
## 1268	05/14/2022	326.90	58.236
## 1269	05/14/2022	60.74	13.807
## 1270	05/14/2022	127.03	22.410
## 1271	05/14/2022	61.58	13.688
## 1272	05/14/2022	88.25	15.762
## 1273	05/15/2022	127.62	22.517
## 1274	05/15/2022	204.06	36.218
## 1275	05/15/2022	81.32	18.035
## 1276	05/15/2022	184.00	33.461
## 1277	05/15/2022	88.00	19.388
## 1278	05/15/2022	132.63	25.910
## 1279	05/15/2022	190.29	34.304
## 1280	05/16/2022	141.58	25.290
## 1281	05/16/2022	168.75	30.214
## 1282	05/16/2022	302.00	54.357
## 1283	05/16/2022	101.23	17.980
## 1284	05/16/2022	97.94	17.479
## 1285	05/16/2022	151.92	27.820
## 1286	05/16/2022	97.45	19.890
## 1287	05/16/2022	195.82	35.610
## 1288	05/16/2022	44.51	10.027
## 1289	05/17/2022	169.93	30.427
## 1290	05/17/2022	186.50	33.430
## 1291	05/17/2022	69.12	15.162
## 1292	05/17/2022	135.47	24.184
## 1293	05/17/2022	87.25	15.531
## 1294	05/17/2022	48.61	10.808
## 1295	05/17/2022	104.32	18.632
## 1296	05/17/2022	149.88	27.256
## 1297	05/17/2022	69.71	15.497
## 1298	05/18/2022	173.41	31.058
## 1299	05/18/2022	137.46	24.545
## 1300	05/18/2022	27.48	6.148
## 1301	05/18/2022	65.63	14.395
## 1302	05/18/2022	134.56	24.018
## 1303	05/18/2022	97.34	17.369
## 1304	05/18/2022	96.50	21.449
## 1305	05/18/2022	90.52	20.121
## 1306	05/19/2022	165.20	29.786
## 1307	05/19/2022	157.09	28.463
## 1308	05/19/2022	264.50	47.910
## 1309	05/19/2022	32.85	5.630
## 1310	05/19/2022	116.75	20.944

## 1311	05/19/2022	173.79	31.354
## 1312	05/19/2022	63.35	14.081
## 1313	05/19/2022	179.36	33.158
## 1314	05/19/2022	83.01	18.128
## 1315	05/19/2022	79.74	17.725
## 1316	05/20/2022	250.77	45.405
## 1317	05/20/2022	31.31	7.007
## 1318	05/20/2022	49.37	10.829
## 1319	05/20/2022	106.14	19.007
## 1320	05/20/2022	134.21	24.131
## 1321	05/20/2022	59.09	13.134
## 1322	05/20/2022	250.00	45.462
## 1323	05/21/2022	30.12	6.769
## 1324	05/21/2022	72.36	16.264
## 1325	05/21/2022	71.74	12.728
## 1326	05/21/2022	117.75	21.126
## 1327	05/21/2022	63.04	13.678
## 1328	05/21/2022	62.16	13.878
## 1329	05/21/2022	146.54	26.649
## 1330	05/21/2022	86.06	19.388
## 1331	05/22/2022	146.14	26.307
## 1332	05/22/2022	147.71	26.594
## 1333	05/22/2022	17.15	4.185
## 1334	05/22/2022	5.11	0.565
## 1335	05/22/2022	90.72	17.790
## 1336	05/22/2022	295.95	53.650
## 1337	05/23/2022	103.41	18.509
## 1338	05/23/2022	214.96	38.869
## 1339	05/23/2022	192.28	34.729
## 1340	05/23/2022	155.79	28.224
## 1341	05/23/2022	109.22	19.569
## 1342	05/23/2022	153.65	28.352
## 1343	05/23/2022	157.45	30.878
## 1344	05/24/2022	247.17	44.747
## 1345	05/24/2022	151.90	27.359
## 1346	05/24/2022	31.18	6.915
## 1347	05/24/2022	71.73	15.733
## 1348	05/24/2022	120.45	21.619
## 1349	05/24/2022	116.57	21.025
## 1350	05/24/2022	108.36	19.353
## 1351	05/24/2022	77.53	17.705
## 1352	05/25/2022	150.01	27.014
## 1353	05/25/2022	55.41	12.155
## 1354	05/25/2022	27.14	5.966
## 1355	05/25/2022	302.00	54.754
## 1356	05/25/2022	155.70	28.053
## 1357	05/25/2022	60.40	13.426
## 1358	05/25/2022	64.78	14.401
## 1359	05/25/2022	212.14	38.564
## 1360	05/25/2022	74.50	16.341
## 1361	05/25/2022	256.82	46.508
## 1362	05/26/2022	286.19	51.869
## 1363	05/26/2022	146.89	26.445
## 1364	05/26/2022	191.15	34.522

## 1365	05/26/2022	155.04	27.932
## 1366	05/26/2022	140.04	25.195
## 1367	05/26/2022	98.76	21.662
## 1368	05/26/2022	130.86	24.091
## 1369	05/26/2022	128.07	23.290
## 1370	05/26/2022	77.52	17.003
## 1371	05/26/2022	102.79	22.110
## 1372	05/27/2022	64.07	14.337
## 1373	05/27/2022	31.95	7.102
## 1374	05/27/2022	165.91	29.916
## 1375	05/27/2022	198.59	35.881
## 1376	05/27/2022	134.05	24.101
## 1377	05/27/2022	128.88	23.157
## 1378	05/27/2022	65.97	14.667
## 1379	05/27/2022	87.51	17.506
## 1380	05/28/2022	34.40	7.595
## 1381	05/28/2022	298.96	53.228
## 1382	05/28/2022	65.90	14.551
## 1383	05/28/2022	123.66	21.807
## 1384	05/28/2022	127.20	22.163
## 1385	05/29/2022	139.85	24.708
## 1386	05/29/2022	150.34	26.589
## 1387	05/29/2022	165.86	33.179
## 1388	05/29/2022	95.48	18.725
## 1389	05/30/2022	5.10	1.215
## 1390	05/30/2022	357.55	62.829
## 1391	05/30/2022	134.34	23.721
## 1392	05/30/2022	70.38	15.643
## 1393	05/30/2022	299.74	53.368
## 1394	05/31/2022	34.57	7.500
## 1395	05/31/2022	61.96	13.443
## 1396	05/31/2022	135.63	23.953
## 1397	05/31/2022	108.19	19.034
## 1398	05/31/2022	89.85	15.832
## 1399	05/31/2022	70.15	15.593
## 1400	05/02/2022	82.46	19.830
## 1401	05/02/2022	64.41	15.490
## 1402	05/02/2022	34.34	7.810
## 1403	05/02/2022	36.51	8.300
## 1404	05/02/2022	28.33	6.810
## 1405	05/03/2022	80.66	19.680
## 1406	05/03/2022	69.73	16.970
## 1407	05/03/2022	28.83	7.020
## 1408	05/04/2022	63.00	15.480
## 1409	05/04/2022	38.13	9.370
## 1410	05/04/2022	66.12	16.250
## 1411	05/05/2022	60.10	14.770
## 1412	05/05/2022	74.04	17.220
## 1413	05/06/2022	58.55	14.080
## 1414	05/06/2022	58.91	14.030
## 1415	05/06/2022	81.57	19.430
## 1416	05/09/2022	80.45	19.340
## 1417	05/09/2022	81.71	18.160
## 1418	05/10/2022	47.67	10.940

## 1419	05/10/2022	33.18	7.610
## 1420	05/10/2022	82.35	19.340
## 1421	05/10/2022	71.68	16.450
## 1422	05/10/2022	47.07	10.460
## 1423	05/10/2022	99.17	22.040
## 1424	05/11/2022	68.15	15.630
## 1425	05/11/2022	58.64	13.450
## 1426	05/12/2022	66.68	15.300
## 1427	05/12/2022	83.11	19.070
## 1428	05/13/2022	72.70	16.680
## 1429	05/13/2022	91.49	20.700
## 1430	05/16/2022	53.13	12.190
## 1431	05/16/2022	89.51	19.900
## 1432	05/17/2022	68.09	15.770
## 1433	05/17/2022	49.58	11.480
## 1434	05/17/2022	88.34	20.270
## 1435	05/17/2022	71.60	16.580
## 1436	05/18/2022	87.89	20.350
## 1437	05/18/2022	83.82	18.630
## 1438	05/19/2022	64.57	14.950
## 1439	05/19/2022	81.87	19.000
## 1440	05/19/2022	54.10	12.240
## 1441	05/20/2022	83.32	19.470
## 1442	05/20/2022	88.42	19.650
## 1443	05/20/2022	40.54	9.010
## 1444	05/23/2022	88.52	20.690
## 1445	05/23/2022	52.80	11.950
## 1446	05/23/2022	94.30	20.960
## 1447	05/24/2022	86.55	19.240
## 1448	05/24/2022	43.13	9.590
## 1449	05/24/2022	61.52	14.380
## 1450	05/25/2022	48.83	10.850
## 1451	05/25/2022	88.33	20.640
## 1452	05/25/2022	61.44	14.360
## 1453	05/26/2022	46.16	10.790
## 1454	05/26/2022	127.48	29.790
## 1455	05/26/2022	87.13	20.360
## 1456	05/26/2022	90.65	21.190
## 1457	05/26/2022	83.23	18.500
## 1458	05/27/2022	47.05	10.990
## 1459	05/27/2022	61.72	14.430
## 1460	05/28/2022	63.03	14.730
## 1461	05/31/2022	71.18	16.870
## 1462	05/31/2022	75.83	17.970
## 1463	05/02/2022	44.51	10.650
## 1464	05/03/2022	48.21	11.730
## 1465	05/04/2022	118.01	29.000
## 1466	05/05/2022	45.69	11.340
## 1467	05/05/2022	85.62	21.040
## 1468	05/06/2022	51.16	12.300
## 1469	05/06/2022	32.53	7.750
## 1470	05/09/2022	47.84	10.630
## 1471	05/10/2022	57.99	12.890
## 1472	05/12/2022	51.01	11.700

```
## 1473      05/13/2022      56.00      12.670
## 1474      05/13/2022      80.50      18.470
## 1475      05/13/2022      78.92      18.110
## 1476      05/17/2022     114.01      25.800
## 1477      05/19/2022      30.01       7.010
## 1478      05/19/2022      30.32       6.740
## 1479      05/23/2022      55.96     12.840
## 1480      05/23/2022      44.46       9.880
## 1481      05/25/2022      48.52     11.340
## 1482      05/26/2022      28.79       6.400
## 1483      05/19/2022      97.89     21.380
## 1484      05/19/2022     105.23     22.980
## 1485      05/20/2022     113.72     21.870
## 1486      05/17/2022      48.99     11.340
## 1487      05/18/2022      50.00     11.580
## 1488      05/19/2022      54.00     12.500
## 1489      05/20/2022      48.51     11.340
## 1490      05/11/2022      43.95     10.080
## 1491      05/12/2022      51.99     11.930
## 1492      05/13/2022      44.03     10.100
## 1493      05/16/2022      43.99     10.090
## 1494      05/02/2022      42.50     10.220
## 1495      05/03/2022      48.00     11.220
## 1496      05/04/2022      41.00     10.070
## 1497      05/05/2022      52.00     12.780
## 1498      05/06/2022      58.85     14.150
## 1499      05/23/2022      58.51     13.670
## 1500      05/24/2022      54.45     12.720
## 1501      05/25/2022      43.08     10.070
## 1502      05/26/2022      57.00     13.320
## 1503      05/27/2022      46.89     10.960
## 1504      05/31/2022      52.01     12.330
```

```
sum(is.na((subset$Net.Cost)))
```

```
## [1] 0
```

```
sum(is.na((subset$`Price per Gallon`)))
```

```
## [1] 0
```

```
sum(is.na((subset$`# of Gallons`)))
```

```
## [1] 0
```

```
result <- summary(subset)
result
```

```
## Transaction.Date      Net.Cost      # of Gallons
## Length:1504          Min.    : 2.09    Min.    : 0.171
## Class :character     1st Qu.: 55.37   1st Qu.:13.827
```

##	Mode	:character	Median	: 75.92	Median	:18.453
##			Mean	: 95.41	Mean	:21.086
##			3rd Qu.	:117.81	3rd Qu.	:24.830
##			Max.	:357.55	Max.	:62.829