Data 607 - Project 2

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2023-10-08

The goal of this assignment is to give you practice in preparing different datasets for downstream analysis work. Your task is to: (1) Choose any three of the "wide" datasets identified in the Week 5 Discussion items. (You may use your own dataset; please don't use my Sample Post dataset, since that was used in your Week 6 assignment!) For each of the three chosen datasets: • Create a .CSV file (or optionally, a MySQL database!) that includes all of the information included in the dataset. You're encouraged to use a "wide" structure similar to how the information appears in the discussion item, so that you can practice tidying and transformations as described below. • Read the information from your .CSV file into R, and use tidyr and dplyr as needed to tidy and transform your data. [Most of your grade will be based on this step!] • Perform the analysis requested in the discussion item. • Your code should be in an R Markdown file, posted to rpubs.com, and should include narrative descriptions of your data cleanup work, analysis, and conclusions.

DATASET 1

Loading Data from Github

This data was found on Kaggle.com

 $\label{lem:candy_df} $$$ $$ \end{candy_df} $$ - $\end{candy_df} $$ \end{candy_df} $$ \end{candy_df} $$ \end{candy_df} $$$ \end{candy_df} $$$

```
##
     Internal.ID Q1..GOING.OUT. Q2..GENDER Q3..AGE Q4..COUNTRY
## 1
        90258773
## 2
        90272821
                                        Male
                                                              USA
                               No
                                                   44
## 3
        90272829
                                        Male
                                                   49
                                                               USA
## 4
        90272840
                                        Male
                                                   40
                               No
                                                                us
## 5
        90272841
                                        Male
                                                   23
                               No
                                                               usa
## 6
        90272852
                              No
                                        Male
     Q5..STATE..PROVINCE..COUNTY..ETC Q6...100.Grand.Bar
## 1
## 2
                                     NM
                                                         MEH
## 3
                               Virginia
## 4
                                                         MEH
## 5
                                                         JOY
                               exton pa
## 6
                                                         JOY
##
     Q6...Anonymous.brown.globs.that.come.in.black.and.orange.wrappers..a.k.a..Mary.Janes.
## 1
## 2
                                                                                         DESPAIR
## 3
## 4
                                                                                         DESPAIR
## 5
                                                                                         DESPAIR
## 6
                                                                                         DESPAIR
     Q6...Any.full.sized.candy.bar Q6...Black.Jacks Q6...Bonkers..the.candy.
##
## 1
```

```
## 2
                                 JOY
                                                  MEH
                                                                         DESPAIR
## 3
## 4
                                 JOY
                                                  MEH
                                                                             MEH
## 5
                                 JOY
                                                                             MEH
                                              DESPAIR
## 6
                                 JOY
     Q6...Bonkers..the.board.game. Q6...Bottle.Caps Q6...Box.o.Raisins
## 2
                            DESPAIR
                                              DESPAIR
                                                                  DESPAIR
## 3
## 4
                            DESPAIR
                                                                  DESPAIR
                                                  MEH
## 5
                            DESPAIR
                                                  MEH
                                                                  DESPAIR
## 6
                                                  MEH
                                                                       MEH
     Q6...Broken.glow.stick Q6...Butterfinger Q6...Cadbury.Creme.Eggs
## 1
## 2
                     DESPAIR
                                        DESPAIR
                                                                      MEH
## 3
## 4
                                            MEH
                                                                      MEH
                     DESPAIR
## 5
                     DESPAIR
                                            MEH
                                                                      MEH
## 6
                     DESPAIR
                                            JOY
                                                                 DESPAIR
##
     Q6...Candy.Corn
## 1
## 2
                  MEH
## 3
## 4
             DESPAIR
## 5
             DESPAIR
##
     Q6...Candy.that.is.clearly.just.the.stuff.given.out.for.free.at.restaurants
## 1
## 2
                                                                             DESPAIR
## 3
## 4
                                                                             DESPAIR
## 5
                                                                             DESPAIR
## 6
     Q6...Caramellos Q6...Cash..or.other.forms.of.legal.tender Q6...Chardonnay
## 1
## 2
                 MEH
                                                              JOY
                                                                               MEH
## 3
## 4
                  MEH
                                                              JOY
                                                                               MEH
## 5
                  JOY
                                                              MEH
                                                                               JOY
## 6
                  JOY
                                                              JOY
                                                                               JOY
     Q6...Chick.o.Sticks..we.don.t.know.what.that.is. Q6...Chiclets
## 1
## 2
                                                DESPAIR
                                                               DESPAIR
## 3
## 4
                                                     JOY
                                                                   MEH
## 5
                                                DESPAIR
                                                               DESPAIR
## 6
                                                                    MEH
     Q6...Coffee.Crisp Q6...Creepy.Religious.comics.Chick.Tracts
## 1
## 2
               DESPAIR
                                                            DESPAIR
## 3
## 4
               DESPAIR
                                                            DESPAIR
## 5
                    MEH
                                                            DESPAIR
## 6
                    JOY
                                                            DESPAIR
```

```
Q6...Dental.paraphenalia Q6...Dots Q6...Dove.Bars Q6...Fuzzy.Peaches
## 1
## 2
                       DESPAIR
                                      MEH
                                                      JOY
                                                                     DESPAIR
## 3
## 4
                       DESPAIR
                                      JOY
                                                      JOY
                                                                          MEH
## 5
                       DESPAIR
                                      MEH
                                                      JOY
                                                                     DESPAIR
                                      MEH
                                                      JOY
                           MEH
     Q6...Generic.Brand.Acetaminophen Q6...Glow.sticks Q6...Goo.Goo.Clusters
## 1
## 2
                               DESPAIR
                                                 DESPAIR
                                                                         DESPAIR
## 3
## 4
                                   MEH
                                                      JOY
                                                                             JOY
## 5
                                                                             MEH
                               DESPAIR
                                                 DESPAIR
## 6
                               DESPAIR
                                                     MEH
                                                                             JOY
     Q6...Good.N..Plenty Q6...Gum.from.baseball.cards Q6...Gummy.Bears.straight.up
## 1
## 2
                      MEH
                                                DESPAIR
                                                                                   MEH
## 3
## 4
                      MEH
                                                DESPAIR
                                                                                   JOY
## 5
                      MEH
                                                DESPAIR
                                                                                   JOY
## 6
                      MEH
                                                DESPAIR
                                                                                   MEH
     Q6...Hard.Candy Q6...Healthy.Fruit Q6...Heath.Bar
## 1
## 2
                  MEH
                                 DESPAIR
                                                      MEH
## 3
## 4
                  MEH
                                      MEH
                                                 DESPAIR
## 5
                  MEH
                                 DESPAIR
                                                 DESPAIR
                  MEH
                                                      JOY
                                      MEH
     Q6...Hershey.s.Dark.Chocolate Q6...Hershey.s.Milk.Chocolate
## 1
## 2
                                 JOY
                                                                JOY
## 3
## 4
                                MEH
                                                                MEH
## 5
                                 JOY
                                                                MEH
## 6
                                 JOY
                                                                MEH
##
     Q6...Hershey.s.Kisses Q6...Hugs..actual.physical.hugs.
## 1
## 2
                        MEH
                                                       DESPAIR
## 3
## 4
                        MEH
                                                           MEH
## 5
                        MEH
                                                       DESPAIR
                        MEH
## 6
##
     Q6...Jolly.Rancher..bad.flavor. Q6...Jolly.Ranchers..good.flavor.
## 1
## 2
                              DESPAIR
                                                                       MEH
## 3
## 4
                                   MEH
                                                                       MEH
## 5
                                  MEH
                                                                       JOY
                                  MEH
                                                                       MEH
##
     Q6...JoyJoy..Mit.Iodine.. Q6...Junior.Mints Q6...Senior.Mints
## 1
## 2
                        DESPAIR
                                           DESPAIR
                                                              DESPAIR
## 3
## 4
                        DESPAIR
                                           DESPAIR
                                                              DESPAIR
```

```
## 5
                            MEH
                                                JOY
                                                              DESPAIR
## 6
                                                YOT.
     Q6...Kale.smoothie Q6...Kinder.Happy.Hippo Q6...Kit.Kat Q6...LaffyTaffy
## 1
## 2
                 DESPAIR
                                          DESPAIR
                                                            JOY
                                                                         DESPAIR
## 3
## 4
                 DESPAIR
                                               MEH
                                                            MEH
                                                                              JOY
## 5
                                                            JOY
                                                                              JOY
                 DESPAIR
                                               JOY
## 6
                 DESPAIR
                                                             JOY
                                                                              MEH
     Q6...LemonHeads Q6...Licorice..not.black. Q6...Licorice..yes.black.
## 1
## 2
                  MEH
                                             MEH
                                                                         JOY
## 3
## 4
                  JOY
                                             MEH
                                                                         JOY
## 5
                  JOY
                                             MEH
                                                                     DESPAIR
## 6
                  MEH
                                             MEH
                                                                         MEH
     Q6...Lindt.Truffle Q6...Lollipops Q6...Mars Q6...Maynards Q6...Mike.and.Ike
## 2
                     MEH
                                DESPAIR
                                           DESPAIR
                                                          DESPAIR
                                                                                  MEH
## 3
## 4
                     JOY
                                 DESPAIR
                                                JOY
                                                              MEH
                                                                                  MEH
## 5
                     JOY
                                     MEH
                                               MEH
                                                          DESPAIR
                                                                                  MEH
## 6
                     JOY
                                     MEH
                                                JOY
                                                                                  JOY
     Q6...Milk.Duds Q6...Milky.Way Q6...Regular.M.Ms Q6...Peanut.M.M.s
## 1
## 2
                 MEH
                                 JOY
                                                    JOY
                                                                       MEH
## 3
## 4
            DESPAIR
                                 JOY
                                                    MEH
                                                                       JOY
## 5
                 MEH
                                 JOY
                                                    JOY
                                                                       JOY
                 JOY
                                 JOY
                                                    JOY
                                                                       JOY
     Q6...Blue.M.M.s Q6...Red.M.M.s Q6...Green.Party.M.M.s Q6...Independent.M.M.s
## 1
## 2
                  JOY
                                  JOY
                                                          JOY
                                                                                   JOY
## 3
## 4
                  MEH
                                  MEH
                                                          MEH
                                                                                   MEH
## 5
                  JOY
                                  JOY
                                                          JOY
                                                                                   JOY
                  JOY
                                  JOY
     Q6...Abstained.from.M.M.ing. Q6...Minibags.of.chips Q6...Mint.Kisses
## 1
## 2
                           DESPAIR
                                                    DESPAIR
                                                                          MEH
## 3
## 4
                                MEH
                                                    DESPAIR
                                                                      DESPAIR
## 5
                                MEH
                                                    DESPAIR
                                                                          JOY
## 6
                                                        JOY
                                                                          JOY
     Q6...Mint.Juleps Q6...Mr..Goodbar Q6...Necco.Wafers Q6...Nerds
## 1
                                DESPAIR
                                                    DESPAIR
## 2
              DESPAIR
                                                                DESPAIR
## 3
## 4
                   MEH
                                     MEH
                                                    DESPAIR
                                                                    MEH
                   JOY
## 5
                                     MEH
                                                    DESPAIR
                                                                    JOY
                                     JOY
## 6
                   JOY
                                                        MEH
                                                                    JOY
     Q6...Nestle.Crunch Q6...Now.n.Laters Q6...Peeps Q6...Pencils Q6...Pixy.Stix
## 1
## 2
                     JOY
                                    DESPAIR
                                               DESPAIR
                                                             DESPAIR
                                                                             DESPAIR
```

```
## 3
## 4
                     MEH
                                        MEH
                                               DESPAIR
                                                             DESPAIR
                                                                             DESPAIR
## 5
                                                             DESPAIR
                     JOY
                                        JOY
                                                   MEH
                                                                                 JOY
## 6
                                               DESPAIR
                                                                                 MEH
                     MEH
                                        MEH
                                                             DESPAIR
     Q6...Real.Housewives.of.Orange.County.Season.9.Blue.Ray
## 1
## 2
                                                        DESPAIR
## 3
## 4
                                                        DESPAIR
## 5
                                                        DESPAIR
                                                        DESPAIR
##
     Q6...Reese.s.Peanut.Butter.Cups Q6...Reese.s.Pieces Q6...Reggie.Jackson.Bar
## 1
                                                                             DESPAIR
## 2
                                   JOY
                                                        JOY
## 3
## 4
                                   JOY
                                                        MEH
                                                                                 MEH
## 5
                                   JOY
                                                        JOY
                                                                                 MEH
## 6
                                   JOY
                                                        JOY
                                                                             DESPAIR
##
     Q6...Rolos Q6...Sandwich.sized.bags.filled.with.BooBerry.Crunch Q6...Skittles
## 1
                                                                DESPAIR
## 2
            JOY
                                                                               DESPAIR
## 3
## 4
            MEH
                                                                DESPAIR
                                                                               DESPAIR
## 5
            JOY
                                                                                   JOY
## 6
            JOY
                                                                DESPAIR
                                                                                   JOY
     Q6...Smarties..American. Q6...Smarties..Commonwealth. Q6...Snickers
## 1
## 2
                       DESPAIR
                                                      DESPAIR
                                                                        MEH
## 3
## 4
                       DESPAIR
                                                          MEH
                                                                         JOY
## 5
                           JOY
                                                      DESPAIR
## 6
                           JOY
                                                          JOY
                                                                         JOY
     Q6...Sourpatch.Kids..i.e..abominations.of.nature. Q6...Spotted.Dick
## 1
## 2
                                                 DESPAIR
                                                                    DESPAIR
## 3
## 4
                                                      MEH
                                                                    DESPAIR
## 5
                                                     MEH
                                                                    DESPAIR
## 6
                                                 DESPAIR
                                                                    DESPAIR
     Q6...Starburst Q6...Sweet.Tarts Q6...Swedish.Fish
## 1
## 2
                MEH
                              DESPAIR
                                                     MEH
## 3
## 4
                                                      JOY
                MEH
                                  MEH
## 5
                 JOY
                                                     MEH
                                   JOY
## 6
                 MEH
                                  MEH
                                                      MEH
     Q6...Sweetums..a.friend.to.diabetes. Q6...Take.5 Q6...Tic.Tacs
## 1
## 2
                                   DESPAIR
                                                DESPAIR
                                                               DESPAIR
## 3
## 4
                                                     JOY
                                        MEH
                                                                   MEH
## 5
                                                    MEH
                                   DESPAIR
                                                               DESPAIR
## 6
## Q6...Those.odd.marshmallow.circus.peanut.things Q6...Three.Musketeers
```

```
## 1
## 2
                                               DESPAIR
                                                                           .JOY
## 3
## 4
                                               DESPAIR
                                                                      DESPAIR
## 5
                                               DESPAIR
                                                                           JOY
## 6
                                               DESPAIR
                                                                           JOY
     Q6...Tolberone.something.or.other Q6...Trail.Mix Q6...Twix
## 1
## 2
                                     JOY
                                                DESPAIR
                                                               JOY
## 3
## 4
                                     JOY
                                                     MEH
                                                               JOY
## 5
                                     JOY
                                                DESPAIR
                                                               JOY
## 6
                                                               JOY
                                     JOY
                                                     MEH
     \verb"Q6...Vials.of.pure.high.fructose.corn.syrup..for.main.lining.into.your.vein"
## 1
## 2
                                                                             DESPAIR
## 3
## 4
                                                                             DESPAIR
## 5
                                                                                 MEH
## 6
                                                                             DESPAIR
##
     Q6...Vicodin Q6...Whatchamacallit.Bars Q6...White.Bread
## 1
## 2
          DESPAIR
                                      DESPAIR
                                                        DESPAIR
## 3
## 4
              JOY
                                          JOY
                                                        DESPAIR
## 5
              JOY
                                          JOY
                                                        DESPAIR
## 6
          DESPAIR
                                          JOY
                                                        DESPAIR
     Q6...Whole.Wheat.anything Q6...York.Peppermint.Patties
## 1
## 2
                        DESPAIR
                                                       DESPAIR
## 3
## 4
                        DESPAIR
                                                       DESPAIR
## 5
                        DESPAIR
                                                           JOY
## 6
                        DESPAIR
                                                           JOY
                                                                                         Q7..JOY.OTHER
##
## 1
## 2
                                                                                                Mounds
## 3
## 4 Reese's crispy crunchy bars, 5th avenue bars, ferrero rocher, dries fruit other than raisins
## 5
## 6
##
     Q8..DESPAIR.OTHER
                                                                   Q9..OTHER.COMMENTS
## 1
## 2
                        Bottom line is Twix is really the only candy worth eating.
## 3
## 4
                                                               Raisins can go to hell
## 5
## 6
##
         Q10..DRESS X Q11..DAY Q12..MEDIA..Daily.Dish. Q12..MEDIA..Science.
## 1
## 2 White and gold
                                                       NA
                                                                              1
                         Sunday
## 3
                                                       NA
                                                                             NA
## 4 White and gold
                         Sunday
                                                       NΑ
                                                                              1
## 5 White and gold
                         Friday
                                                       NA
                                                                              1
```

```
## 6
                                                                                 1
     Q12..MEDIA..ESPN. Q12..MEDIA..Yahoo. Click.Coordinates..x..y.
## 1
                     NA
                                          NA
## 2
                                                               (84, 25)
                     NΔ
                                          NΔ
## 3
                     NA
                                          NA
## 4
                     NA
                                          NA
                                                               (75, 23)
## 5
                     NΑ
                                          NΑ
                                                               (70, 10)
## 6
                                                               (75, 23)
                     NA
                                          NA
```

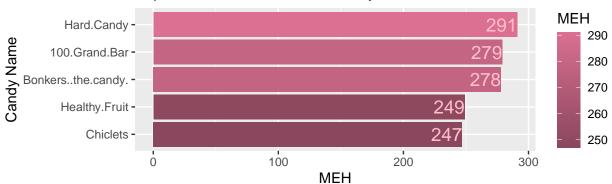
Cleaning the Data

```
## # A tibble: 98 x 5
## # Groups:
               gender, candy name [98]
##
      gender candy_name
                                                                 DESPAIR
                                                                            JOY
                                                                                  MEH
      <chr> <chr>
##
                                                                    <int> <int> <int>
## 1 Female 100.Grand.Bar
                                                                       39
                                                                            265
                                                                                  279
## 2 Female Anonymous.brown.globs.that.come.in.black.and.oran~
                                                                      369
                                                                             61
                                                                                  161
## 3 Female Any.full.sized.candy.bar
                                                                        5
                                                                            542
                                                                                   66
## 4 Female Black. Jacks
                                                                      294
                                                                             20
                                                                                  186
## 5 Female Bonkers..the.board.game.
                                                                             72
                                                                      164
                                                                                  241
## 6 Female Bonkers..the.candy.
                                                                      174
                                                                                  278
## 7 Female Bottle.Caps
                                                                      207
                                                                            147
                                                                                  218
## 8 Female Box.o.Raisins
                                                                                  153
                                                                      416
                                                                             43
## 9 Female Broken.glow.stick
                                                                      554
                                                                              5
                                                                                   46
## 10 Female Butterfinger
                                                                       48
                                                                            401
                                                                                  162
## # i 88 more rows
```

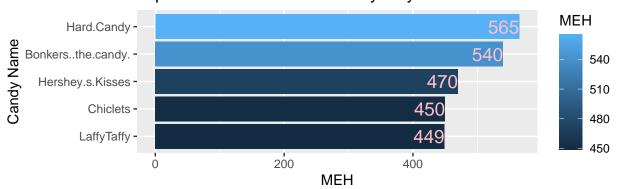
Creating Visuals and Analyzing Data

Viewing the top five candies that are "meh" to both guys and girls.

Top Five Candies with 'MEH' by Girls



Top Five Candies with 'MEH' by Guys



DATASET 2

Importing Data from Github

Creating a dataframe

```
Testscores_df <- data.frame(Testscores_df)
Testscores_df %>%
head(10) %>%
  kable() %>%
  kable() %>%
  kable_styling(bootstrap_options = "striped", font_size = 12, fixed_thead = T) %>% scroll_box(height = 12)
```

Tidying the Student Test Score Results data

```
colnames(Testscores_df) <- c("StudentID","Gender", "EthnicGroup", "ParentEduc", "LunchType", "TestPrep"
colnames(Testscores_df) <- c("StudentID","Gender", "EthnicGroup", "ParentEduc", "LunchType", "TestPrep"
Testscores_df%>%
head(10) %>%
   kable() %>%
   kable() %>%
   kable_styling(bootstrap_options = "striped", font_size = 12, fixed_thead = T) %>% scroll_box(height)
```

StudentID	Gender	EthnicGroup	ParentEduc	LunchType	TestPrep	MathScore	Readi
0	female	group B	bachelor's degree	standard	none	72	
1	female	group C	some college	standard	completed	69	
2	female	group B	master's degree	standard	none	90	
3	male	group A	associate's degree	free/reduced	none	47	
4	male	group C	some college	standard	none	76	
5	female	group B	associate's degree	standard	none	71	
6	female	group B	some college	standard	completed	88	
7	male	group B	some college	free/reduced	none	40	
8	male	group D	high school	free/reduced	completed	64	
9	female	group B	high school	free/reduced	none	38	

StudentID	Gender	EthnicGroup	ParentEduc	LunchType	TestPrep	MathScore	Readi
0	female	group B	bachelor's degree	standard	none	72	
1	female	group C	some college	standard	completed	69	
2	female	group B	master's degree	standard	none	90	
3	male	group A	associate's degree	free/reduced	none	47	
4	male	group C	some college	standard	none	76	
5	female	group B	associate's degree	standard	none	71	
6	female	group B	some college	standard	completed	88	
7	male	group B	some college	free/reduced	none	40	
8	male	group D	high school	free/reduced	completed	64	
9	female	group B	high school	free/reduced	none	38	

DATASET 3 - Subway Riders Annually

Load data from github

```
url <- 'https://raw.githubusercontent.com/Meccamarshall/Data607/main/Project%202/2022%20Subway%20Tables
MTA_df <- read.csv(file = url)
na.omit(MTA_df)</pre>
```

##	Stationalphabetical.by.borough.	X2017	X2018
## 1	The Bronx	The Bronx	The Bronx
## 2	138 St-Grand Concourse	1,036,746	944,598
## 3	149 St-Grand Concourse	4,255,015	3,972,763
## 4	161 St-Yankee Stadium	8,596,506	8,392,290
## 5	167 St	2,954,228	2,933,140
## 6	167 St	3,293,451	2,022,919
## 7	170 St	2,785,331	2,562,443
## 8	170 St	2,270,027	2,454,974
## 9	174 St	2,334,317	2,056,692
## 10	174-175 Sts	1,735,321	1,005,075
## 11	176 St	1,943,854	1,803,691
## 12	182-183 Sts	1,577,144	1,502,814
## 13	183 St	2,001,410	1,831,457
## 14	219 St	1,044,200	1,026,894
## 15	225 St	1,323,910	1,224,369
## 16	231 St	3,013,031	3,133,231
## 17	233 St	1,565,455	1,496,673
## 18	238 St	1,335,877	960,970
## 19	3 Av-138 St	2,515,479	2,451,972
## 20	3 Av-149 St	7,458,222	6,784,053
## 21	Allerton Av	1,678,247	1,603,702
## 22	Baychester Av	1,054,373	1,006,343
## 23	Bedford Park Blvd	2,220,298	1,984,267
## 24	Bedford Park Blvd-Lehman College	1,716,853	1,575,555
## 25	Bronx Park East	799,927	752,916
## 26	Brook Av	1,938,814	1,895,570
## 27	Buhre Av	1,094,122	1,110,307
## 28	Burke Av	1,064,119	997,617
## 29	Burnside Av	3,442,348	3,198,218
## 30	Castle Hill Av	2,071,819	2,000,084
## 31	Cypress Av	1,230,910	1,113,667
## 32	East 143 St-St Mary's St	285,667	301,240
## 33	East 149 St	1,531,045	1,508,022
## 34	East 180 St	2,589,024	2,249,646
## 35	Eastchester-Dyre Av	1,261,041	1,259,009
## 36	Elder Av	2,107,677	2,000,985
## 37	Fordham Rd	3,656,367	3,321,215
## 38	Fordham Rd	3,843,008	3,596,416
## 39	Freeman St	1,556,949	1,354,453
## 40	Gun Hill Rd	2,429,804	2,197,147
## 41	Gun Hill Rd	1,555,601	1,521,987
## 42	Hunts Point Av	3,243,725	3,216,569
## 43	Intervale Av	1,045,483	943,016

```
## 44
                                            Jackson Av
                                                            1,794,781
                                                                           1,597,307
## 45
                                    Kingsbridge
                                                            3,024,692
                                                                           2,783,082
## 46
                                    Kingsbridge
                                                            2,589,970
                                                                           2,475,107
## 47
                                          Longwood Av
                                                                           1,040,934
                                                            1,084,049
## 48
                                        Middletown Rd
                                                              609,861
                                                                             595,044
## 49
                                          Morris Park
                                                              685,577
                                                                             668,423
## 50
                                         Av-Soundview
                                                            2,125,767
                            Morrison
                                                                           1,988,053
## 51
                                         Mosholu Pkwy
                                                            2,695,090
                                                                           2,531,607
## 52
                                           Mt Eden Av
                                                            1,708,790
                                                                           1,652,407
## 53
                                            Nereid Av
                                                            1,085,289
                                                                           1,034,335
## 54
                                    Norwood-205
                                                            2,723,506
                                                                           2,611,874
## 55
                                          Parkchester
                                                            5,071,740
                                                                           4,836,244
## 56
                                   Pelham Bay
                                                            2,207,720
                                                                           2,146,552
                                                  Park
## 57
                                                            2,849,210
                                          Pelham Pkwy
                                                                           2,639,586
## 58
                                          Pelham Pkwy
                                                              869,177
                                                                             844,884
## 59
                                          Prospect Av
                                                            2,413,743
                                                                           2,142,697
## 60
                                           Simpson St
                                                            2,965,807
                                                                           2,585,974
## 61
                                    St Lawrence
                                                            1,334,387
                                                                           1,273,609
## 62
                                           Tremont Av
                                                            3,154,608
                                                                           3,246,064
## 63
                        Van Cortlandt
                                          Park-242 St
                                                            2,249,314
                                                                           2,333,136
## 64
                                  Wakefield-241
                                                            1,578,125
                                                                           1,484,478
## 65
                   West Farms
                                   Sq-East Tremont Av
                                                            2,388,659
                                                                           2,094,751
## 66
                  Westchester
                                   Sq-East Tremont Av
                                                            1,917,007
                                                                           1,817,925
## 67
                                          Whitlock Av
                                                              595,385
                                                                             592,103
## 68
                                              Woodlawn
                                                            2,242,100
                                                                           2,160,859
## 69
                                             Zerega Av
                                                              799,739
                                                                             792,928
## 70
                                                             Brooklyn
                                                                            Brooklyn
                                              Brooklyn
## 71
                              15
                                     St-Prospect Park
                                                            1,917,454
                                                                           1,867,619
## 72
                                                 18 Av
                                                            1,948,610
                                                                           1,909,554
## 73
                                                 18 Av
                                                            1,281,041
                                                                           1,163,390
## 74
                                                 18 Av
                                                              992,834
                                                                             981,261
## 75
                                                 20 Av
                                                            1,579,804
                                                                           1,534,396
## 76
                                                 20 Av
                                                              664,120
                                                                           1,075,077
## 77
                                                            1,789,365
                                                 25 Av
                                                                           1,571,134
## 78
                                                 25 St
                                                            1,373,521
                                                                           1,149,469
## 79
                                                 36 St
                                                            4,543,305
                                                                           4,293,364
## 80
                                       4 Av /9
                                                    St
                                                            4,323,467
                                                                           3,906,028
## 81
                                                 45 St
                                                            2,390,684
                                                                           2,251,921
## 82
                                                 50 St
                                                              986,060
                                                                             965,643
## 83
                                                 53 St
                                                            1,187,907
                                                                           2,378,056
## 84
                                                              632,198
                                                                             650,590
                                                 55 St
## 85
                                                 59 St
                                                            5,326,789
                                                                           3,998,207
## 86
                                                            3,236,816
                                                  7 Av
                                                                           3,126,475
## 87
                                                  7 Av
                                                            3,623,053
                                                                           3,572,223
## 88
                                                 71 St
                                                            1,854,361
                                                                           1,746,966
## 89
                                                 77 St
                                                            1,980,011
                                                                           1,676,402
## 90
                                                 79 St
                                                            2,032,937
                                                                           1,901,043
## 91
                                                  8 Av
                                                            4,088,721
                                                                           3,700,661
## 92
                                                 86 St
                                                              494,456
                                                                             609,555
## 93
                                                 86 St
                                                            3,516,712
                                                                           3,470,741
## 94
                                                  9 Av
                                                            1,737,192
                                                                           1,667,200
## 95
                                           Alabama Av
                                                              755,935
                                                                             652,030
## 96
                                          Atlantic Av
                                                              557,103
                                                                             559,411
## 97
                         Atlantic
                                      Av-Barclays Ctr
                                                           13,571,093
                                                                          13,807,282
```

##	98	Avenue H	1,006,747	1,034,018
##		Avenue I	326,469	326,005
	100	Avenue J	1,912,497	1,878,547
	101	Avenue M	1,828,941	1,808,189
	102	Avenue N	643,200	612,201
	103	Avenue P	534,727	509,036
	104	Avenue U	373,322	310,821
	105	Avenue U	734,714	830,278
	106	Avenue U	2,360,833	2,329,614
	107	Avenue X	738,274	775,436
	108	Bay 50 St	900,508	826,074
	109	Bay Pkwy	2,502,105	2,435,949
	110	Bay Pkwy	214,153	188,225
	111	Bay Pkwy	2,950,253	2,266,916
	112	Bay Ridge Av	1,282,256	2,228,497
	113	Bay Ridge-95 St	1,755,379	1,739,178
	114	Bedford Av	9,644,831	9,053,980
	115	Bedford-Nostrand Avs	2,779,124	2,774,993
	116	Bergen St	1,180,684	1,140,677
	117	Bergen St	3,525,144	3,478,946
	118	Beverley Rd	1,038,252	1,060,568
	119	Beverly Rd	1,348,244	1,307,405
	120	Brighton Beach	3,957,811	3,778,194
	121 122	Broadway	1,385,797	1,402,102
	123	Broadway Junction	2,911,532	2,810,636
	124	Bushwick Av-Aberdeen St Canarsie-Rockaway Pkwy	682,086 3,828,628	671,545 3,598,843
	125	Canal Sie Nockaway Prwy Carroll St	3,537,661	3,490,924
	126	Central Av	539,681	725,022
	127	Chauncey St	1,095,638	1,063,828
	128	Church Av	2,916,680	2,818,535
	129	Church Av	5,455,527	5,161,293
	130	Church Av	3,148,411	3,099,383
	131	Clark St	1,631,139	1,550,414
	132	Classon Av	1,585,121	1,649,340
	133	Cleveland St	1,011,734	901,928
	134	Clinton-Washington Avs	2,201,880	2,178,439
##	135	Clinton-Washington Avs	1,551,042	1,534,802
##	136	Coney Island-Stillwell Av	4,803,755	4,615,664
##	137	Cortelyou Rd	2,028,859	1,994,734
##	138	Court St /Borough Hall	10,693,598	10,364,534
##	139	Crescent St	1,570,485	1,467,166
##	140	Crown Heights-Utica Av	8,954,499	7,920,192
##	141	Cypress Hills	435,855	411,331
##	142	DeKalb Av	6,551,184	6,776,248
##	143	DeKalb Av	4,171,610	4,000,252
##	144	Ditmas Av	1,137,998	1,149,528
##	145	East 105 St	1,201,452	1,139,556
##	146	Eastern Pkwy-Brooklyn Museum	1,530,635	1,544,013
##	147	Euclid Av	3,415,739	3,174,827
	148	Flatbush Av-Brooklyn College	6,107,780	5,822,873
	149	Flushing Av	849,840	874,498
	150	Flushing Av	2,764,583	2,537,390
##	151	Fort Hamilton Pkwy	1,273,516	1,191,580

## 153					
## 154			3		1,765,887
## 155					969,878
## 156 ## 157			,		4,604,219
## 157 ## 158 Graham Av					2,051,171
## 158					1,745,439
## 159					2,234,908
## 160 ## 161 Grant Av 1,950,109 ## 162 Greenpoint Av 2,934,770 ## 163 ## 164 Halsey St 2,131,177 ## 165 Hewes St 894,671 ## 166 High St 2,983,672 ## 167 Heyt St 2,137,478 ## 168 Hoyt-Schermerhorn Sts 3,264,293 ## 170 ## 170 Junius St 298,119 ## 171 Junius St 298,119 ## 173 Kings Hwy 910,558 ## 174 Kings Hwy 910,558 ## 176 Kingston-Throop Avs 2,085,536 ## 177 Knickerbocker Av 593,366 ## 178 Kosciuszko St 1,979,192 ## 180 Liberty Av 886,011 ## 181 Livonia Av 1,019,591 ## 182 Lorimer St /Metropolitan Av 5,010,601 ## 188 Myrtle-Willoughby Avs 1,765,653 ## 189 Myrtle-Willoughby Avs 1,765,653 ## 191 Neck Rd 1,379,473 ## 192 ## 193 New Lots Av 1,628,3419 ## 194 New Lots Av 1,638,339 ## 197 New Lots Av 1,638,339 ## 198 ## 199 Norwood Av 1,065,073 ## 199 Norwood Av 1,022,378 ## 200 Nostrand Av 5,823,419 Park PI 575,188 ## 204 Park PI 575,188 ## 204 Park PI 575,188 ## 204					3,093,428
## 161			3		2,228,173
## 162					2,126,443
## 163					1,842,974
## 164			——————————————————————————————————————		2,859,047
## 165			-		2,059,030
## 166			•		2,625,255
## 167					893,262
## 168			_		3,463,611
## 169 ## 170 ## 170 ## 170 ## 170 ## 171 ## 171 ## 171 ## 172 ## 173 ## 173 ## 174 ## 175 ## 175 ## 175 ## 176 ## 177 ## 177 ## 178 ## 178 ## 178 ## 177 ## 177 ## 177 ## 178 ## 178 ## 178 ## 178 ## 179 ## 179 ## 180 ## 181 ## 182 ## 183 ## 184 ## 185 ## 185 ## 186 ## 188 ## 187 ## 188 ## 189 ## 180 ##			•		1,982,208
## 170 ## 171 ## 172 ## 173 ## 173 ## 174 ## 175 ## 175 ## 175 ## 176 ## 177 ## 177 ## 178 ## 178 ## 179 ## 179 ## 179 ## 170 ## 170 ## 170 ## 171 ## 172 ## 173 ## 174 ## 175 ## 175 ## 176 ## 176 ## 176 ## 177 ## 177 ## 178 ## 178 ## 178 ## 179 ## 180 ## 181 ## 181 ## 182 ## 183 ## 184 ## 185 ## 185 ## 186 ## 187 ## 188 ## 188 ## 188 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 180 ##			· ·		3,370,038
## 171			•		12,504,027
## 172 Kings Hwy 6,040,256 E ## 173 Kings Hwy 1,531,332 1					2,515,861
## 173 ## 174 ## 175 ## 176 ## 176 ## 177 ## 177 ## 176 ## 177 ## 177 ## 178 ## 178 ## 178 ## 178 ## 179 ## 179 ## 180 ## 181 ## 182 ## 183 ## 184 ## 185 ## 186 ## 186 ## 187 ## 187 ## 188 ## 188 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 189 ## 190 ## 189 ## 190 ## 189 ## 190 ## 189 ## 190 ## 189 ## 190 ## 189 ## 190 ## 189 ## 190 ## 180					620,548
## 174 Kings Hwy 910,558 1 ## 175 Kingston Av 1,474,988 1 ## 176 Kingston Av 1,474,988 1 ## 177 Kingston Av 5,93,366 2 ## 177 Kingston Av 5,93,366 2 ## 178 Kosciuszko St 1,979,192 1 ## 179 Lafayette Av 1,621,121 1 ## 180 Liberty Av 886,011 ## 181 Livonia Av 1,019,591 ## 182 Lorimer St 1,619,602 1 ## 183 Lorimer St /Metropolitan Av 5,010,601 4 ## 184 Marcy Av 4,199,041 4 ## 185 Montrose Av 2,306,046 2 ## 186 Morgan Av 2,594,607 2 ## 187 Myrtle-Willoughby Avs 1,765,653 1 ## 188 Myrtle-Willoughby Avs 1,765,653 1 ## 189 Myrtle-Wyckoff Avs 7,302,376 2 ## 190 Nassau Av 2,765,172 2 ## 191 Neck Rd 1,379,473 1 ## 192 Neptune Av 478,754 ## 193 Nevins St 3,271,270 3 ## 194 New Lots Av 1,810,576 1 ## 195 New Lots Av 1,810,576 1 ## 196 New Utrecht Av /62 St 1,651,274 ## 197 Newkirk Av 2,315,386 2 ## 198 Newkirk Plaza 3,356,199 3 ## 199 Norwood Av 1,065,073 ## 200 Nostrand Av 1,295,175 1 ## 201 Nostrand Av 5,823,419 5 ## 202 Ocean Pkwy 1,722,378 ## 203 Park Pl 575,188 ## 204 Parkside Av 1,953,704 1 ## 205 For St 1,551,886 ## 204 Parkside Av 1,953,704 1 ## 205 For St 1,551,886 ## 204 Parkside Av 1,953,704 1 ## 205 For St 1,551,886 ## 206 Parkside Av 1,953,704 1 ## 207 For St 1,953,704 1 ## 208 For St 1,953,704 1 ## 209 For St 1,953,704 1 ## 200 For St 1,953,704 1 ## 201 For St 1,953,704 1 ## 202 For St 1,953,704 1 ## 204 For St 1,953,704 1 ## 205 For St 1,953,704 1 ## 206 For St 1,953,704 1 ## 207 For St 1,953,704 1 ## 208 For St 1,953,704 1 ## 209 For St 1,953,704 1 ## 200 For St 1,953,704 1 ## 200 For St 1,953,704 1 ## 200 For St 1,953,7					5,895,421
## 175 Kingston Av			9 1		1,356,085
## 176			9 •		1,032,541
## 177 Knickerbocker Av 593,366 ## 178 Kosciuszko St 1,979,192 1 ## 179 Lafayette Av 1,621,121 1 ## 180 Liberty Av 886,011 ## 181 Livonia Av 1,019,591 ## 182 Lorimer St 1,619,602 1 ## 183 Lorimer St /Metropolitan Av 5,010,601 4 ## 185 Montrose Av 2,306,046 2 ## 186 Morgan Av 2,594,607 2 ## 187 Myrtle-Willoughby Avs 1,765,653 1 ## 188 Myrtle-Willoughby Avs 1,765,653 1 ## 190 Nassau Av 2,765,172 2 ## 191 Neck Rd 1,379,473 1 ## 192 Neptune Av 478,754 ## 193 Nevins St 3,271,270 3 ## 194 New Lots Av 1,810,576 1 ## 195 New Utrecht Av /62 St 1,651,274 1 ## 197 NewKirk Av 2,315,386 2 ## 198 NewKirk Plaza 3,356,199 1 ## 199 Norwood Av 1,065,073 1 ## 190 Nostrand Av 1,295,175 1 ## 191 Nostrand Av 5,823,419 5 ## 201 Nostrand Av 1,295,776 1 ## 202 Ocean Pkwy 1,022,378 1 ## 203 Park Pl 575,188 1 ## 204 Parkside Av 1,953,704 1					1,443,692
## 178			-		2,099,891
## 179				· ·	772,085
## 180					1,908,610
## 181					1,631,673 839,241
## 182			•		994,378
## 183					1,495,068
## 184					4,821,359
## 185			-		4,171,666
## 186			· ·		2,239,760
## 187					2,465,927
## 188			_		3,789,470
## 189			•		1,768,122
## 190 ## 191 Neck Rd Neck Rd 1,379,473 ## 192 Neptune Av 478,754 ## 193 Nevins St 3,271,270 ## 194 New Lots Av 1,810,576 ## 195 New Lots Av 1,638,839 ## 196 New Utrecht Av /62 St 1,651,274 ## 197 Newkirk Av 2,315,386 ## 198 Newkirk Plaza 3,356,199 ## 199 Norwood Av 1,065,073 ## 200 Nostrand Av 1,295,175 ## 201 Nostrand Av 5,823,419 ## 202 Ocean Pkwy 1,022,378 ## 203 Park Pl 575,188 ## 204			i c		6,893,183
## 191					2,880,235
## 192 ## 193 Nevins St 3,271,270 ## 194 New Lots Av 1,810,576 ## 195 New Lots Av 1,638,839 ## 196 New Utrecht Av /62 St 1,651,274 ## 197 Newkirk Av 2,315,386 ## 198 Newkirk Plaza 3,356,199 ## 199 Norwood Av 1,065,073 ## 200 Nostrand Av 1,295,175 ## 201 Nostrand Av 5,823,419 ## 202 Park Pl 575,188 ## 204 Parkside Av 1,953,704					1,366,989
## 193 ## 194 ## 195 ## 195 ## 196 ## 196 ## 197 ## 197 ## 198 ## 198 ## 199 ## 199 ## 199 ## 199 ## 199 ## 199 ## 200 ## 200 ## 201 ## 202 ## 202 ## 203 ## 204 ## 204 ## 204 ## 204 ## 204 Newkink Av ## 205 ## 206 ## 207 ## 207 ## 208 ## 209 ## 209 ## 200 ##					433,083
## 194 ## 195 New Lots Av					3,215,723
## 195 ## 196 New Lots Av					1,644,379
## 196 New Utrecht Av /62 St 1,651,274 1 ## 197 Newkirk Av 2,315,386 2 ## 198 Newkirk Plaza 3,356,199 3 ## 199 Norwood Av 1,065,073 ## 200 Nostrand Av 1,295,175 1 ## 201 Nostrand Av 5,823,419 5 ## 202 Ocean Pkwy 1,022,378 1 ## 203 Park Pl 575,188 ## 204 Parkside Av 1,953,704 1	##	195	New Lots Av		1,499,170
## 198	##	196	New Utrecht Av /62 St		1,503,742
## 199 Norwood Av 1,065,073 ## 200 Nostrand Av 1,295,175 1 ## 201 Nostrand Av 5,823,419 5 ## 202 Ocean Pkwy 1,022,378 1 ## 203 Park Pl 575,188 ## 204 Parkside Av 1,953,704 1	##	197	Newkirk Av	2,315,386	2,221,270
## 200 Nostrand Av 1,295,175 1 ## 201 Nostrand Av 5,823,419 5 ## 202 Ocean Pkwy 1,022,378 1 ## 203 Park Pl 575,188 ## 204 Parkside Av 1,953,704 1	##	198	Newkirk Plaza	3,356,199	3,258,207
## 201 Nostrand Av 5,823,419 5 ## 202 Ocean Pkwy 1,022,378 1 ## 203 Park Pl 575,188 ## 204 Parkside Av 1,953,704 1	##	199	Norwood Av	1,065,073	966,728
## 201 Nostrand Av 5,823,419 5 ## 202 Ocean Pkwy 1,022,378 1 ## 203 Park Pl 575,188 ## 204 Parkside Av 1,953,704 1	##	200	Nostrand Av		1,250,715
## 202			Nostrand Av		5,609,408
## 204 Parkside Av 1,953,704 1	##	202	Ocean Pkwy	1,022,378	1,018,695
	##	203	· · · · · · · · · · · · · · · · · · ·		537,340
## 205 Pennsylvania Av 1,054,654 1	##	204	Parkside Av	1,953,704	1,979,647
· · · ·	##	205	Pennsylvania Av	1,054,654	1,279,685

##	206	President St	1,227,134	1,197,019
##	207	Prospect Av	961,733	1,638,002
##	208	Prospect Park	3,421,790	3,289,464
##	209	Ralph Av	1,894,817	1,850,375
##	210	Rockaway Av	1,685,468	1,412,271
##	211	Rockaway Av	1,794,365	1,790,683
##	212	Saratoga Av	1,702,107	1,535,733
##	213	Sheepshead Bay	4,297,325	4,183,545
##	214	Shepherd Av	1,038,180	990,387
##	215	Smith-9 Sts	1,484,326	1,466,151
##	216	Sterling St	1,787,994	1,753,125
##	217	Sutter Av	1,394,283	1,246,958
	218	Sutter Av-Rutland Rd	1,049,559	1,968,448
	219	Union St	1,935,724	2,090,848
	220	Utica Av	5,271,782	5,195,786
	221	Van Siclen Av	1,078,048	854,150
	222	Van Siclen Av	1,026,358	955,230
	223	Van Siclen Av	910,042	818,735
	224	West 8 St-New York Aquarium	789,104	818,685
	225	Wilson Av	1,471,094	1,420,065
	226	Winthrop St	2,148,162	2,140,028
	227	York St	3,172,717	3,256,154
	228	Manhattan	Manhattan	Manhattan
	229	1 Av	7,071,729	6,743,140
	230	103 St	4,114,291	4,072,703
	231	103 St	4,402,069	4,065,523
	232233	103 St 110 St	1,470,838 3,734,660	1,630,405 3,394,176
	234	110 St 116 St	3,729,434	3,446,526
	235	116 St	5,066,069	4,683,148
	236	116 St	2,253,473	2,262,578
	237	116 St-Columbia University	4,586,341	4,528,136
	238	125 St	2,438,960	2,457,157
	239	125 St	5,054,479	4,727,671
	240	125 St	9,088,393	8,630,430
	241	125 St	9,335,382	9,037,343
##	242	135 St	4,768,474	4,506,259
##	243	135 St	1,743,984	1,622,552
##	244	137 St-City College	4,440,108	4,260,166
##	245	14 St /8 Av	14,153,266	14,324,670
##	246	14 St /6 Av	15,187,056	15,002,214
##	247	14 St-Union Sq	34,557,551	33,124,407
##	248	145 St	3,208,921	3,062,446
##	249	145 St	1,093,045	635,413
##	250	145 St	7,714,122	7,434,662
##	251	155 St	1,212,240	1,115,948
	252	155 St	887,427	1,001,262
	253	157 St	3,488,053	3,514,522
	254	163 St-Amsterdam Av	1,437,340	548,092
	255	168 St	7,945,871	8,150,537
	256	175 St	4,112,450	3,879,652
	257	18 St	2,594,336	2,683,235
	258	181 St	3,742,446	3,605,435
##	259	181 St	3,453,621	3,368,097

```
## 260
                                               190 St
                                                           1,494,996
                                                                           1,423,142
## 261
                                               191 St
                                                           2,657,964
                                                                           2,526,932
                                                           5,372,036
                                                                           5,034,358
## 262
                                                  2 Av
## 263
                                               207 St
                                                           2,097,830
                                                                           2,020,214
                                                             617,727
## 264
                                               215 St
                                                                             553,050
## 265
                                                23 St
                                                           4,557,216
                                                                           4,853,909
## 266
                                                           8,265,227
                                                23 St
                                                                           9,035,498
## 267
                                                23 St
                                                           7,410,618
                                                                           7,420,152
## 268
                                                23 St
                                                           8,636,801
                                                                           5,099,809
## 269
                                                23 St
                                                           7,651,650
                                                                           8,155,834
## 270
                                                28 St
                                                           4,348,170
                                                                           4,444,072
## 271
                                                28 St
                                                           6,836,061
                                                                           3,525,030
## 272
                                                28 St
                                                           4,065,263
                                                                           4,445,982
## 273
                                                                           2,204,834
                                                  3 Av
                                                           2,319,152
## 274
                                                33 St
                                                           8,916,102
                                                                           9,530,273
## 275
                              34 St-Herald
                                               Square
                                                          39,672,507
                                                                          39,111,312
## 276
                               34
                                      St-Hudson Yards
                                                           3,098,699
                                                                           3,189,867
## 277
                               34 St-Penn
                                              Station
                                                          26,034,238
                                                                          25,968,950
## 278
                               34 St-Penn
                                              Station
                                                          24,366,500
                                                                         24,857,456
## 279
                         42 St-Bryant
                                          Pk
                                                 /5 Av
                                                          17,471,620
                                                                          17,289,384
## 280
                    47-50
                              Sts-Rockefeller Center
                                                           8,626,669
                                                                          8,394,862
## 281
                                                 49 St
                                                           7,111,270
                                                                           7,748,504
## 282
                                           5 Av-53 St
                                                           5,367,130
                                                                           5,136,918
## 283
                                           5 Av-59 St
                                                           7,751,756
                                                                           8,088,925
## 284
                                                50 St
                                                           6,694,422
                                                                           6,441,984
## 285
                                                50 St
                                                           4,557,372
                                                                           2,254,820
## 286
                                                57 St
                                                          11,300,097
                                                                          11,978,164
                                           57 St-7 Av
## 287
                                                          22,929,203
                                                                          22,991,014
## 288
                            59
                                  St-Columbus Circle
                                                           7,002,620
                                                                          7,196,026
## 289
                             66 St-Lincoln
                                               Center
                                                           6,998,999
                                                                           6,537,270
## 290
                             68 St-Hunter
                                              College
                                                           5,105,535
                                                                           5,299,531
## 291
                                                  7 Av
                                                          12,749,746
                                                                          12,879,887
## 292
                                                72 St
                                                           2,799,974
                                                                           1,382,963
## 293
                                                72 St
                                                           8,536,209
                                                                           9,068,131
## 294
                                                72 St
                                                           8,276,168
                                                                           7,653,602
## 295
                                                77 St
                                                           5,102,655
                                                                           4,990,840
## 296
                                                79 St
                                                           5,569,352
                                                                           5,686,332
## 297
                         8 St-New York
                                                           4,328,599
                                                                           4,748,083
                                           University
## 298
                 81 St-Museum
                                  of Natural History
                                                           5,988,837
                                                                           6,139,911
## 299
                                                          14,277,369
                                                86 St
                                                                          13,486,510
## 300
                                                           3,177,707
                                                86 St
                                                                           1,734,366
## 301
                                                           7,693,260
                                                                           8,075,480
                                                86 St
## 302
                                                          11,948,981
                                                86 St
                                                                         11,702,401
## 303
                                                           5,576,058
                                                                           5,151,742
                                                96 St
## 304
                                                96 St
                                                           2,887,965
                                                                           2,836,643
## 305
                                                96 St
                                                           5,445,960
                                                                           6,014,304
## 306
                                                96 St
                                                           5,245,449
                                                                           5,111,358
## 307
                                          Astor Place
                                                           1,327,970
                                                                           1,275,541
## 308
                                               Bowery
                                                           8,234,513
                                                                           8,251,885
## 309
                                        Bowling Green
                                                           2,056,754
                                                                           1,967,616
## 310
                                                          11,956,465
                                             Broad St
                                                                          11,414,999
## 311
          Broadway-Lafayette
                                         /Bleecker St
                                                           9,360,484
                                                                           9,060,206
## 312 Brooklyn
                    Bridge-City Hall
                                         /Chambers St
                                                           1,756,236
                                                                           1,884,371
## 313
                                             Canal St
                                                           5,932,386
                                                                           6,160,037
```

##	314	Compl C+	16 OOF E16	1E 00E 077
		Canal St	16,285,516	15,995,877
	315	Cathodrel Phys. 110 St	3,947,489	4,013,259
	316	Cathedral Pkwy-110 St	2,377,135	1,168,203
	317	Cathedral Pkwy-110 St	2,963,206	2,823,756
	318	Central Park North-110 St	6,459,435	6,108,641
	319	Chambers St	20,927,141	21,636,146
	320	Chambers St /WTC /Park Place	3,193,169	3,312,074
	321	Christopher St-Sheridan Sq	2,258,254	1,920,070
	322	City Hall	8,128,719	7,922,586
	323	Delancey St /Essex St	2,329,753	2,263,932
	324	Dyckman St	2,165,366	2,037,425
	325	Dyckman St	4,458,909	4,216,327
	326	East Broadway	1,700,180	1,757,424
	327	Franklin St	26,838,473	27,719,115
	328	Fulton St	44,928,488	45,207,849
	329	Grand Central-42 St	7,653,408	7,187,070
	330	Grand St	1,209,846	1,232,448
	331	Harlem-148 St	4,326,280	4,488,886
	332	Houston St	2,954,523	2,796,626
##	333	Inwood-207 St	17,888,188	16,955,204
##	334	Lexington Av /59 St	18,940,774	18,585,755
##	335	Lexington Av-53 St /51 St	6,389,408	6,506,078
##	336	Lexington Av-63 St	1,726,646	1,686,237
##	337	Marble Hill-225 St	4,990,346	5,142,727
##	338	Prince St	2,861,772	2,764,454
##	339	Rector St	2,213,971	2,154,295
##	340	Rector St	2,361,627	2,269,432
##	341	Roosevelt Island	10,205,836	10,275,268
##	342	South Ferry /Whitehall St	3,701,740	3,654,673
##	343	Spring St	3,637,863	3,853,792
##	344	Spring St	81,410,028	81,116,784
##	345	Times Sq-42 St /42 St	6,935,020	6,452,733
##	346	Wall St	5,704,122	5,646,207
##	347	Wall St	13,849,130	13,446,383
##	348	West 4 St-Washington Sq	0	1,245,455
##	349	WTC Cortland	0	0
##	350	Queens	Queens	Queens
##	351	103 St-Corona Plaza	6,498,237	6,319,564
##	352	104 St	560,309	548,871
##	353	104 St	502,541	456,765
##	354	111 St	3,721,445	3,608,389
##	355	111 St	748,813	762,641
##	356	111 St	948,885	801,639
##	357	121 St	337,075	391,696
##	358	169 St	2,629,975	2,497,336
##	359	21 St	598,061	550,464
##	360	21 St-Queensbridge	3,157,675	3,340,366
##	361	30 Av	3,437,709	2,373,721
	362	33 St-Rawson St	3,402,610	3,031,465
	363	36 Av	1,677,211	1,446,827
	364	36 St	1,362,430	1,513,330
	365	39 Av- Dutch Kills	979,103	665,750
	366	40 St-Lowery St	3,261,769	3,048,104
	367	46 St	2,781,811	2,711,011
		10 00	_,,	_,,

##	368	46 St-Bliss St	1 202 007	/ AEO 01E
	369	52 St	4,303,987 2,027,659	4,058,815 1,883,246
	370	63 Dr-Rego Park	4,991,559	4,769,745
	371	65 St		
	372	67 Av	1,120,703 2,695,321	1,129,031 2,592,645
	373	69 St		
	374		1,602,770 17,095,073	1,510,410
	375	74-Bway /Jackson Hts-Roosevelt Av 75 Av		16,994,358
			994,127	1,019,978
	376 377	75 St-Elderts Ln 80 St	1,069,608	992,267
			1,346,296	1,332,047
	378	82 St-Jackson Hts	5,018,542	4,741,470
	379	85 St-Forest Pkwy	1,156,600	1,063,133
	380	88 St	880,776	855,851
	381	90 St-Elmhurst Av	5,460,868	5,245,160
	382	Aqueduct Racetrack	641,464	732,091
	383	Aqueduct-North Conduit Av	309,029	276,067
	384	Astoria Blvd	3,988,480	4,226,298
	385	Astoria-Ditmars Blvd	5,031,462	4,543,854
	386	Beach 105 St	97,654	92,852
	387	Beach 25 St	582,975	543,839
	388	Beach 36 St	298,395	275,165
	389	Beach 44 St	214,473	216,609
	390	Beach 60 St	726,189	630,038
	391	Beach 67 St-Arverne By The Sea	792,444	669,421
	392	Beach 90 St	411,887	382,766
	393	Beach 98 St	180,588	154,620
	394	Briarwood-Van Wyck Blvd	1,489,396	1,462,744
	395	Broad Channel	87,774	82,248
	396	Broadway	4,060,805	2,436,810
	397	Court Sq	7,003,218	7,218,939
	398	Elmhurst Av	4,039,686	3,898,046
	399	Far Rockaway-Mott Av	1,472,005	1,376,087
	400	Flushing-Main St	18,746,832	17,799,862
	401	Forest Av	796,742	927,801
	402	Forest Hills-71 Av	8,748,221	8,115,385
	403	Fresh Pond Rd	1,198,376	1,400,512
	404	Grand Av-Newtown	5,792,378	5,713,827
	405	Howard Beach-JFK Airport	1,123,405	1,154,695
	406	Hunters Point Av	1,999,970	1,932,478
	407	Jamaica Center-Parsons-Archer	11,604,228	10,681,269
	408	Jamaica-179 St	6,463,698	6,270,766
	409	Jamaica-Van Wyck	1,555,962	1,502,672
	410	Junction Blvd	7,084,849	6,896,657
	411	Kew Gardens-Union Turnpike	7,811,007	7,680,149
	412	Mets-Willets Point	1,873,789	1,756,825
	413	Middle Village-Metropolitan Av	875,782	954,875
	414	Northern Blvd	2,140,551	2,097,374
	415	Ozone Park-Lefferts Blvd	2,306,419	2,296,755
	416	Parsons Blvd	1,998,650	2,003,517
	417	Queens Plaza	3,374,948	3,886,574
	418	Queensboro Plaza	4,566,287	5,079,051
	419	Rockaway Blvd	2,371,645	2,336,304
	420	Rockaway Park-Beach 116 St	235,691	240,483
##	421	Seneca Av	454,373	565,714

```
## 422
                                          Steinway St
                                                           4,733,777
                                                                           5,075,623
## 423
                                         Sutphin Blvd
                                                           1,338,831
                                                                           1,303,795
                          Blvd-Archer Av-JFK Airport
                                                           7,457,153
## 424
              Sutphin
                                                                           7,282,128
## 425
                                     Blvd-Jackson Av
                           Vernon
                                                           4,821,191
                                                                           4,493,326
## 426
                                    Woodhaven
                                                 Blvd
                                                           1,512,676
                                                                           1,370,889
## 427
                                    Woodhaven
                                                  Blvd
                                                           6,871,409
                                                                           6,509,386
## 428
                                    Woodside-61
                                                           5,457,171
                                                                           5,282,486
                                                                         370,231,302
## 429
                                             Brooklyn
                                                         379,372,550
## 430
                                                Bronx
                                                         149,220,838
                                                                         139,238,932
## 431
                                            Manhattan
                                                         955,572,737
                                                                         936,516,980
## 432
                                               Queens
                                                         243,113,483
                                                                         234,085,767
## 433
                            Systemwide
                                           Adjustment
                                                               86,999
                                                                             -12,579
##
  434
                                         System Total 1,727,366,607 1,680,060,402
## 435
##
                X2019
                             X2020
                                          X2021
                                                         X2022 X2021.2022.Change
## 1
            The Bronx
                         The Bronx
                                      The Bronx
                                                     The Bronx
                                                                         The Bronx
## 2
            1,035,878
                                        656,866
                                                       766,610
                                                                           109,744
                           371,408
## 3
            3,931,908
                         1,815,785
                                      1,832,521
                                                     2,026,363
                                                                           193,842
## 4
           8,254,928
                         3,221,651
                                      4,077,604
                                                     5,023,193
                                                                           945,589
                        1,396,287
## 5
            2,653,237
                                      1,615,072
                                                     1,847,368
                                                                           232,296
## 6
           2,734,530
                         1,422,149
                                      1,508,270
                                                     1,492,833
                                                                           -15,437
## 7
            2,487,611
                         1,265,950
                                      1,278,506
                                                     1,499,662
                                                                           221,156
## 8
                         1,002,095
                                      1,104,637
                                                     1,121,869
                                                                            17,232
           2,130,461
## 9
           2,057,118
                           953,564
                                      1,077,126
                                                     1,140,821
                                                                            63,695
## 10
            1,518,260
                           788,121
                                        853,579
                                                       859,988
                                                                             6,409
## 11
            1,713,696
                           876,865
                                        939,585
                                                     1,055,833
                                                                           116,248
## 12
            1,513,443
                           761,613
                                        812,994
                                                       866,961
                                                                            53,967
## 13
            1,779,224
                           951,634
                                      1,051,456
                                                     1,196,389
                                                                           144,933
## 14
              979,390
                           457,388
                                        495,442
                                                       530,795
                                                                            35,353
## 15
            1,187,486
                           549,296
                                        605,491
                                                       621,548
                                                                            16,057
## 16
            2,919,305
                         1,289,691
                                      1,462,605
                                                     1,810,807
                                                                           348,202
## 17
            1,445,532
                           721,495
                                        796,596
                                                       845,998
                                                                            49,402
## 18
            1,204,095
                           588,199
                                        678,017
                                                       872,799
                                                                           194,782
## 19
            2,503,850
                                      1,359,371
                                                                           144,534
                         1,271,192
                                                     1,503,905
                                                     3,330,977
## 20
           6,768,255
                         3,166,766
                                      3,301,418
                                                                            29,559
## 21
            1,614,464
                           760,068
                                        850,231
                                                       896,938
                                                                            46,707
## 22
            1,094,872
                           491,293
                                        485,836
                                                       548,542
                                                                            62,706
## 23
                           968,590
           2,143,375
                                      1,106,992
                                                     1,165,034
                                                                            58,042
## 24
                           691,845
                                                                           295,601
            1,538,253
                                        795,864
                                                     1,091,465
## 25
              769,303
                           354,016
                                        421,588
                                                       470,109
                                                                            48,521
## 26
            1,823,468
                           949,904
                                      1,026,185
                                                     1,117,049
                                                                            90,864
## 27
                                                                           148,962
            1,146,032
                           519,694
                                        585,402
                                                       734,364
## 28
            1,000,896
                           480,152
                                        531,811
                                                       552,450
                                                                            20,639
## 29
           3,113,514
                         1,473,081
                                      1,614,822
                                                     1,824,767
                                                                           209,945
## 30
            1,954,511
                           947,432
                                      1,043,725
                                                     1,196,644
                                                                           152,919
## 31
                           507,795
            1,043,922
                                        519,868
                                                       559,225
                                                                            39,357
## 32
              313,938
                           168,285
                                        196,864
                                                       254,297
                                                                            57,433
## 33
            1,467,410
                           788,235
                                        828,659
                                                       927,728
                                                                            99,069
## 34
            2,211,198
                         1,142,139
                                      1,216,916
                                                     1,421,302
                                                                           204,386
## 35
            1,331,886
                                        658,061
                                                       724,813
                                                                            66,752
                           631,122
## 36
                                      1,148,003
                                                     1,297,150
            1,996,492
                         1,053,012
                                                                           149,147
## 37
           3,120,976
                         1,580,225
                                      1,837,293
                                                     2,066,360
                                                                           229,067
## 38
           3,671,217
                                      1,843,504
                                                     1,838,773
                                                                            -4,731
                         1,713,032
## 39
            1,358,821
                           642,087
                                        739,184
                                                       840,179
                                                                           100,995
```

##	40	2,271,942	1,012,373	1,103,035	1,142,015	38,980
##	41	1,248,513	466,005	757,669	909,737	152,068
##	42	3,174,354	1,633,812	1,729,412	1,992,329	262,917
##	43	964,689	472,958	547,183	591,075	43,892
##	44	1,584,727	740,308	830,161	951,497	121,336
##	45	2,733,096	1,357,273	1,494,520	1,800,580	306,060
##	46	2,485,283	1,189,102	1,195,990	1,200,434	4,444
##	47	949,680	390,165	554,609	675,547	120,938
##	48	597,839	257,912	289,799	363,695	73,896
##	49	711,229	318,988	373,691	469,688	95,997
##	50	1,970,185	1,000,610	1,095,552	1,236,633	141,081
##	51	2,491,758	1,274,467	1,423,888	1,647,450	223,562
##	52	1,551,038	823,443	904,701	990,090	85,389
##	53	1,006,617	470,230	538,907	588,166	49,259
##	54	2,639,003	1,315,356	1,366,801	1,435,139	68,338
##	55	4,734,709	2,205,552	2,409,332	2,809,208	399,876
##	56	2,134,403	951,324	1,011,530	1,123,255	111,725
##	57	2,651,208	1,222,206	1,427,443	1,433,009	5,566
##	58	896,134	405,004	447,473	547,814	100,341
##	59	2,148,059	1,021,781	1,125,530	1,233,175	107,645
##	60	2,602,749	1,230,833	1,385,438	1,427,465	42,027
##	61	1,276,865	641,826	699,851	793,668	93,817
##	62	3,052,099	1,433,744	1,518,048	1,446,787	-71,261
##	63	2,189,109	980,836	1,111,670	1,350,182	238,512
##	64	1,404,748	711,029	773,321	798,984	25,663
##	65	2,104,945	947,252	1,072,113	1,104,895	32,782
##	66	1,796,415	835,515	929,707	1,037,465	107,758
##	67	586,845	308,198	331,929	378,959	47,030
##	68	2,094,285	949,554	1,112,041	1,164,758	52,717
##		795,756	361,499	401,426	482,341	80,915
##		Brooklyn	Brooklyn	Brooklyn	Brooklyn	Brooklyn
##		1,964,534	681,492	861,654	1,195,846	334,192
##		1,942,617	851,720	953,937	1,245,222	291,285
##		1,113,492	503,136	556,981	668,159	111,178
##		1,179,756	677,764	895,072	1,085,017	189,945
##		1,578,971	703,957	780,372	1,032,840	252,468
##		1,142,086	486,218	627,481	833,636	206,155
##		1,507,759	609,450	671,478	870,160	198,682
##		1,153,842	504,579	632,081	758,500	126,419
##		4,254,406	1,924,520	2,410,423	3,189,981	779,558
## ##		3,924,882	1,531,708 1,081,234	1,946,762 1,357,398	2,559,111	612,349
##		2,461,410 976,988	521,944		1,610,445 718,744	253,047
##		2,797,730	1,368,019	589,552 1,603,169	1,869,707	129,192 266,538
##		637,405	330,043	363,734	406,691	42,957
##		3,664,480	1,631,566	2,190,023	2,640,485	450,462
##		3,103,599	1,007,948	1,382,641	1,896,094	513,453
##		3,675,218	1,314,989	1,694,473	2,374,719	680,246
##		1,722,921	721,711	788,730	1,016,652	227,922
##		1,674,582	700,333	839,021	1,021,447	182,426
##		1,926,290	816,330	964,785	1,254,702	289,917
##		3,801,700	1,424,892	1,771,913	2,314,853	542,940
##		708,542	365,213	442,826	531,019	88,193
##	93	3,434,888	1,538,353	1,869,595	2,269,098	399,503

##	94	1,708,387	807,970	926,924	1,201,915	274,991
##		628,299	337,011	367,463	365,853	-1,610
##		469,819	228,515	273,703	332,637	58,934
##		13,939,794	5,474,265	6,420,924	8,482,075	2,061,151
##		991,766	395,439	420,875	603,679	182,804
##		584,129	262,583	286,430	352,714	66,284
	100	1,775,846	799,621	973,093	1,119,574	146,481
	101	1,691,285	763,258	956,834	1,135,367	178,533
	102	877,383	393,183	416,424	522,722	106,298
	103	739,804	333,836	361,909	468,588	106,679
	104	547,776	248,310	268,720	334,808	66,088
	105	1,019,104	503,937	659,430	788,389	128,959
	106	2,301,941	979,080	1,194,190	1,422,746	228,556
	107	758,700	334,714	345,053	442,124	97,071
	108	821,873	351,591	431,849	563,601	131,752
	109	2,446,673	1,086,573	1,198,845	1,562,104	363,259
	110	362,802	167,877	186,383	240,275	53,892
	111	2,071,452	940,309	1,204,285	1,481,407	277,122
	112	2,354,120	1,023,374	1,248,115	1,520,403	272,288
##	113	1,743,441	740,055	840,527	1,020,739	180,212
##	114	7,836,366	2,873,798	4,989,268	7,255,571	2,266,303
	115	2,795,387	1,062,724	1,400,855	1,810,693	409,838
	116	1,208,319	435,520	525,186	775,145	249,959
##	117	3,577,496	1,240,354	1,602,668	2,285,452	682,784
##	118	1,048,249	453,974	567,370	747,264	179,894
##	119	1,284,232	607,427	690,326	867,812	177,486
##	120	3,745,994	1,683,782	1,947,393	2,283,378	335,985
##	121	1,506,905	728,238	868,771	995,482	126,711
##	122	2,759,349	1,292,868	1,317,906	1,445,460	127,554
##	123	600,188	298,031	418,114	517,348	99,234
##	124	3,302,691	1,306,173	1,062,745	1,091,454	28,709
##	125	3,615,019	1,261,245	1,605,517	2,241,074	635,557
##	126	1,472,067	591,081	613,375	797,703	184,328
##	127	1,076,510	479,409	526,390	569,841	43,451
##	128	2,862,033	1,335,645	1,537,560	1,844,979	307,419
##	129	5,061,013	2,181,585	2,569,628	3,024,750	455,122
##	130	3,051,736	1,368,063	1,579,762	1,917,284	337,522
##	131	1,781,419	589,682	667,841	845,791	177,950
##	132	1,722,852	667,262	895,280	1,201,492	306,212
##	133	880,879	436,011	451,537	459,057	7,520
##	134	2,144,338	724,726	916,121	1,328,169	412,048
	135	1,609,332	574,939	787,190	1,083,797	296,607
##	136	4,579,191	1,838,369	2,288,692	2,879,052	590,360
##	137	1,957,538	835,380	1,023,916	1,232,328	208,412
##	138	10,135,722	3,356,706	3,728,044	5,334,384	1,606,340
##	139	1,391,945	677,801	739,465	767,792	28,327
##	140	7,933,008	3,654,953	3,936,420	4,584,880	648,460
	141	420,647	222,325	247,051	263,283	16,232
##	142	6,708,640	2,419,410	2,878,314	3,915,266	1,036,952
	143	3,290,894	1,541,784	2,155,743	2,485,248	329,505
	144	1,177,275	538,215	612,635	768,067	155,432
	145	1,001,343	477,302	479,124	541,924	62,800
	146	1,338,351	441,688	681,607	920,056	238,449
##	147	3,240,578	1,537,226	1,547,409	1,740,093	192,684

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	148	5,684,108	2,404,776	2,587,148	3,270,806	683,658
	149	732,897	402,100	558,413	624,004	65,591
	150	2,773,154	1,256,788	1,372,156	1,480,637	108,481
	151	1,207,971	614,581	731,471	868,470	136,999
	152	1,800,167	633,055	817,620	1,155,293	337,673
	153	1,372,278	780,316	996,284	1,344,329	348,045
	154	4,999,385	1,849,090	2,137,307	2,870,917	733,610
	155	1,977,940	781,552	874,945	1,085,731	210,786
	156	1,768,601	743,347	973,973	1,322,495	348,522
	157	2,249,791	957,606	1,125,621	1,313,293	187,672
##	158	2,709,511	1,039,834	1,492,809	1,940,867	448,058
##	159	2,295,401	813,305	984,813	1,390,871	406,058
##	160	1,847,219	809,406	1,122,527	1,408,122	285,595
##	161	1,749,932	802,190	853,610	1,028,850	175,240
##	162	3,089,912	1,296,681	1,704,159	2,092,568	388,409
##	163	2,120,521	871,012	950,058	1,099,779	149,721
##	164	2,176,141	1,005,045	1,327,970	1,582,831	254,861
##	165	1,117,566	468,382	516,269	564,558	48,289
##	166	3,536,860	1,043,554	1,397,257	2,166,149	768,892
##	167	2,293,256	898,643	1,084,836	1,397,715	312,879
##	168	3,605,153	1,426,671	1,744,024	2,308,619	564,595
##	169	12,238,047	4,048,255	4,473,920	6,436,276	1,962,356
##	170	2,237,997	912,845	1,347,227	1,766,118	418,891
##	171	676,092	346,436	364,344	446,604	82,260
##	172	5,938,819	2,588,491	3,187,538	3,871,890	684,352
##	173	1,129,071	488,475	510,956	637,058	126,102
##	174	1,371,311	691,832	897,516	1,120,133	222,617
##	175	1,472,802	620,880	745,263	914,558	169,295
##	176	2,055,094	791,030	936,706	1,265,471	328,765
##	177	1,544,093	659,855	675,807	815,237	139,430
##	178	1,779,062	731,320	882,810	1,056,675	173,865
##	179	1,599,887	619,691	791,660	1,085,680	294,020
##	180	833,633	381,652	400,476	465,654	65,178
##	181	856,615	446,530	394,344	529,679	135,335
##	182	1,747,990	716,035	742,682	820,290	77,608
##	183	4,696,924	1,780,896	2,463,789	3,409,157	945,368
##	184	4,717,791	1,816,258	2,028,980	2,540,327	511,347
##	185	1,933,886	828,023	1,221,841	1,520,566	298,725
##	186	2,100,475	866,007	1,234,325	1,569,277	334,952
##	187	3,854,024	1,563,366	1,734,324	2,135,172	400,848
##	188	1,820,637	789,214	957,769	1,190,174	232,405
##	189	5,927,332	2,704,645	3,318,793	4,276,355	957,562
##	190	3,136,229	1,186,206	1,522,386	1,942,189	419,803
##	191	1,362,524	573,448	655,522	826,571	171,049
##	192	428,163	185,099	211,247	288,867	77,620
##	193	3,150,597	1,189,273	1,309,465	1,760,370	450,905
##	194	1,643,487	800,943	821,266	934,273	113,007
##	195	1,254,351	606,925	655,706	709,206	53,500
	196	1,501,183	718,496	898,154	1,076,361	178,207
	197	2,131,839	1,021,789	1,142,138	1,358,530	216,392
	198	3,252,504	1,356,510	1,689,443	2,021,403	331,960
	199	948,571	454,457	472,565	500,597	28,032
	200	1,370,372	512,753	603,014	745,179	142,165
	201	5,608,232	2,150,476	2,617,531	3,346,986	729,455
		, , ,	•		, ,	- ,

##	202	1,033,340	462,998	548,606	665,586	116,980
##	203	519,984	214,950	259,323	326,818	67,495
##	204	1,955,051	861,896	1,070,163	1,256,444	186,281
##	205	1,360,708	662,596	719,312	792,673	73,361
##	206	1,037,219	443,229	559,407	692,595	133,188
##	207	1,780,893	676,624	885,878	1,175,311	289,433
##	208	3,323,334	1,261,501	1,604,509	2,077,169	472,660
##	209	1,829,126	818,101	878,860	1,010,247	131,387
##	210	1,451,431	722,986	764,655	812,348	47,693
##	211	1,787,343	781,385	837,692	988,760	151,068
##	212	1,556,357	786,160	841,082	920,284	79,202
##	213	4,169,796	1,772,098	2,052,229	2,519,233	467,004
##	214	977,012	449,144	472,122	542,269	70,147
##	215	1,435,824	609,725	698,444	881,979	183,535
##	216	1,654,809	745,895	911,058	1,128,133	217,075
##	217	1,047,762	483,645	512,751	504,518	-8,233
##	218	2,019,485	995,590	1,056,784	1,184,067	127,283
##	219	2,271,983	808,042	1,093,965	1,457,176	363,211
##	220	5,106,247	2,085,483	2,249,322	2,671,676	422,354
##	221	853,106	413,650	413,686	473,728	60,042
	222	918,811	437,290	442,084	501,085	59,001
##	223	791,691	416,713	459,448	504,052	44,604
##	224	837,836	315,691	431,449	583,500	152,051
	225	1,290,221	587,630	761,687	923,267	161,580
	226	1,882,065	974,253	1,203,929	1,499,531	295,602
	227	3,927,129	1,257,103	1,561,021	2,551,202	990,181
	228	Manhattan	Manhattan	Manhattan	Manhattan	Manhattan
	229	5,345,371	2,177,284	3,960,124	5,337,253	1,377,129
	230	3,766,055	1,470,254	1,880,611	2,574,644	694,033
	231	4,039,570	1,851,275	2,112,042	2,489,375	377,333
	232	1,498,363	579,191	718,579	922,327	203,748
	233	3,316,061	1,468,770	1,722,459	2,050,861	328,402
	234	3,345,661	1,375,593	1,612,653	1,914,872	302,219
	235	4,572,453	2,052,609	2,341,695	2,794,564	452,869
	236	2,288,111	896,442	1,067,970	1,358,486	290,516
	237	4,380,469	1,316,284	1,822,117	2,897,994	1,075,877
	238	2,368,025	967,478	1,203,374	1,761,867	558,493
	239	4,644,262	1,848,803	2,121,918	2,521,152	399,234
	240	8,554,857	3,587,673	3,772,990	4,475,736	702,746
	241	9,208,598	3,863,203	4,353,615	5,182,313	828,698
	242	4,268,823	1,867,402	2,048,382	2,262,461	214,079
	243	1,743,921	667,495	753,875	1,019,037	265,162
	244	3,874,783	1,717,440	1,941,779	2,533,342	591,563
	245	14,239,275	4,463,227	6,144,808	9,193,520	3,048,712
	246	14,736,035	5,057,029	6,306,914	8,792,335	2,485,421
	247	32,385,260	10,830,712	13,165,975	17,809,631	4,643,656
		2,936,613				
	248		1,264,852	1,559,488	2,036,875 574,054	477,387 67,837
	249 250	954,825	438,388	506,217 3 468 964	•	67,837 756,762
		7,464,653	3,111,334	3,468,964 581 704	4,225,726	756,762
	251	1,123,868	546,625	581,704	630,547	48,843 75,104
	252	895,036 3 739 786	367,255	415,142	490,246	75,104 504 917
	253	3,739,786	1,414,356	1,715,878	2,220,795	504,917
	254	1,390,312	617,596	679,641	783,629	103,988
##	255	6,156,288	3,265,733	4,029,229	4,657,808	628,579

	056	4 400 605	4 005 040	4 005 454	0 405 070	400.004
	256	4,182,625	1,665,946	1,995,451	2,135,272	139,821
	257	2,649,616	803,924	961,311	1,497,039	535,728
	258	3,523,536	1,682,772	115,142	1,952,205	1,837,063
	259	3,404,841	1,364,548	2,009,705	1,874,762	-134,943
##	260	1,535,450	562,043	476,475	776,585	300,110
##	261	2,333,160	453,577	1,439,161	1,534,115	94,954
##	262	5,583,944	1,846,978	2,557,592	3,571,480	1,013,888
##	263	1,853,146	892,067	998,062	1,307,026	308,964
##	264	527,505	212,402	274,527	403,240	128,713
##	265	4,627,755	1,566,363	1,843,351	2,741,773	898,422
##	266	8,659,806	2,677,996	2,985,473	4,766,220	1,780,747
##	267	7,272,610	2,341,259	2,932,938	3,897,436	964,498
##	268	8,619,473	3,100,291	3,240,722	4,752,694	1,511,972
##	269	7,085,694	2,020,698	2,468,679	3,645,349	1,176,670
##	270	4,493,352	1,367,598	1,582,275	2,584,967	1,002,692
##	271	5,834,989	2,230,478	2,553,865	3,626,532	1,072,667
##	272	4,018,310	1,197,468	1,435,457	2,142,492	707,035
##	273	1,700,456	742,241	1,119,803	1,448,575	328,772
	274	8,934,900	3,078,482	3,655,767	4,851,074	1,195,307
##	275	39,385,436	12,826,841	15,037,793	20,972,120	5,934,327
	276	6,108,384	2,092,769	2,811,015	4,376,335	1,565,320
	277	25,967,676	8,103,809	8,935,671	13,340,397	4,404,726
	278	25,631,364	8,010,472	9,855,288	14,328,387	4,473,099
	279	18,604,810	5,826,100	6,110,395	9,781,251	3,670,856
	280	7,410,041	1,985,474	2,653,104	4,692,505	2,039,401
	281	7,684,091	2,076,871	2,328,956	3,716,861	1,387,905
	282	4,995,128	1,672,584	2,137,582	3,026,367	888,785
	283	8,134,360	2,213,137	2,481,176	4,946,989	2,465,813
	284	6,902,595	2,002,813	2,714,329	4,126,925	1,412,596
	285	4,550,216	1,491,039	1,775,855	2,992,231	1,216,376
	286	11,012,550	3,474,824	4,099,554	6,429,389	2,329,835
	287	23,040,650	7,618,925	9,310,678	13,777,313	4,466,635
	288	7,068,256	2,141,714	2,479,656	4,015,455	1,535,799
	289	6,699,711	2,511,235	2,987,056	4,278,409	1,291,353
	290	5,508,778	1,545,234	1,757,665	3,100,698	1,343,033
	291					
		12,379,560	4,498,641	5,718,388	7,791,430	2,073,042
	292	2,837,041	935,070	1,369,718	1,904,998	535,280
	293	9,528,891	3,752,228	4,786,684	5,884,370	1,097,686
	294	7,821,286	3,190,550	4,117,467	5,359,989	1,242,522
	295	4,745,863	1,678,293	2,273,868	3,182,626	908,758
	296	5,434,212	1,549,451	2,116,673	3,260,289	1,143,616
	297	4,407,607	1,275,973	1,888,156	2,819,094	930,938
	298	5,659,795	2,076,862	2,712,070	3,672,777	960,707
	299	13,537,308	5,155,496	6,576,295	8,783,809	2,207,514
	300	3,232,637	1,188,684	1,548,082	2,073,430	525,348
	301	8,378,778	2,913,038	3,589,258	4,881,132	1,291,874
	302	11,628,887	4,293,386	5,381,939	7,059,602	1,677,663
	303	5,145,222	2,219,217	2,656,566	3,392,056	735,490
	304	3,038,864	1,194,638	1,478,303	1,831,940	353,637
	305	6,154,837	2,353,959	2,771,138	3,535,278	764,140
	306	5,502,925	1,684,189	2,127,381	3,222,161	1,094,780
	307	1,325,244	454,326	572,281	748,064	175,783
	308	8,362,034	2,503,222	2,632,772	4,011,235	1,378,463
##	309	2,172,223	698,480	746,314	1,032,292	285,978

##	310	12,455,155	4,062,645	5,274,947	7,806,844	2,531,897
	311	9,065,146	2,710,023	3,147,136	5,050,750	1,903,614
	312	1,984,827	560,302	633,250	988,102	354,852
	313	6,403,172	1,965,245	2,243,849	3,247,717	1,003,868
	314	15,861,864	4,881,373	6,297,364	8,680,004	2,382,640
	315	3,703,893	1,433,586	1,917,734	2,616,906	699,172
	316	2,396,624	934,145	1,205,170	1,524,260	319,090
	317	2,666,985	1,060,348	1,222,250	1,475,096	252,846
	318	5,941,546	1,781,685	1,957,661	3,259,105	1,301,444
	319	20,820,549	5,930,847	6,413,162	10,218,699	3,805,537
##	320	3,412,332	1,067,635	1,597,437	2,434,305	836,868
	321	1,710,380	536,758	616,119	944,529	328,410
	322	8,861,296	3,388,714	4,415,980	5,961,548	1,545,568
	323	2,079,656	1,055,222	1,154,408	1,467,267	312,859
##	324	2,238,372	953,250	1,095,910	1,214,785	118,875
##	325	4,460,330	1,622,512	2,013,700	2,825,001	811,301
##	326	1,567,005	501,136	613,327	1,090,840	477,513
##	327	27,715,365	8,855,302	9,728,874	14,963,870	5,234,996
##	328	45,745,700	13,162,826	14,002,142	22,937,475	8,935,333
##	329	8,024,364	2,908,017	3,676,433	4,922,207	1,245,774
##	330	1,120,454	473,937	532,571	610,285	77,714
##	331	4,496,793	1,378,640	1,509,148	2,374,723	865,575
##	332	3,150,731	1,260,062	1,396,591	1,484,846	88,255
##	333	16,760,813	6,273,480	7,397,107	9,894,012	2,496,905
##	334	18,957,465	5,718,725	6,226,900	9,748,849	3,521,949
##	335	6,567,634	2,441,527	3,129,478	4,070,117	940,639
##	336	1,561,844	754,010	828,832	1,025,805	196,973
##	337	4,342,692	1,218,279	1,864,902	2,673,575	808,673
##	338	2,554,523	708,206	887,375	1,406,133	518,758
##	339	2,014,996	594,426	674,273	952,233	277,960
##	340	2,380,764	893,253	1,230,617	1,781,913	551,296
##	341	10,272,682	3,065,053	3,600,135	5,151,250	1,551,115
##	342	3,754,272	1,123,745	1,682,203	2,557,718	875,515
##	343	4,423,135	1,377,863	1,762,208	2,509,293	747,085
	344	82,233,996	25,746,634	29,507,558	45,023,339	15,515,781
	345	6,910,581	2,029,161	1,991,358	3,065,803	1,074,445
##	346	5,720,475	1,710,383	1,794,655	2,729,596	934,941
	347	14,063,633	4,503,429	5,833,859	8,145,412	2,311,553
	348	4,232,521	1,138,815	1,280,003	2,437,993	1,157,990
	349	0	0	_	1,245,455	1,245,455
	350	Queens	Queens	Queens	Queens	Queens
	351	6,399,657	3,311,294	4,069,292	4,758,594	689,302
	352	536,924	243,156	274,883	345,525	70,642
	353	774,888	365,060	439,642	494,615	54,973
	354	3,836,999	2,119,770	2,399,049	2,774,756	375,707
	355	760,163	339,066	368,997	450,084	81,087
	356	350,344	302,101	378,100	414,879	36,779
	357	675,500	315,015	384,709	446,750	62,041
	358	2,465,120	1,061,564	1,241,861	1,523,722	281,861
	359	535,536	228,383	313,868	373,697	59,829
	360 361	3,516,992 5,230,182	1,355,845	1,531,006	2,230,639	699,633 599,650
	361	5,230,182	1,767,179	2,033,898	2,633,548 1,581,947	599,650 549,775
	362 363	2,907,388	956,400	1,032,172		549,775 308 167
##	363	1,933,812	845,827	980,573	1,288,740	308,167

##	364	1,383,420	470,766	519,938	728,776	208,838
##	365	761,816	382,607	425,965	617,339	191,374
##	366	3,074,342	1,236,614	1,539,302	2,013,903	474,601
##	367	2,609,445	1,052,114	1,250,697	1,591,672	340,975
##	368	4,019,044	1,769,578	2,169,169	2,687,856	518,687
##	369	1,907,368	847,430	1,061,804	1,317,534	255,730
##	370	4,753,706	1,954,647	2,319,942	2,798,730	478,788
##	371	1,098,148	465,309	567,622	678,095	110,473
##	372	2,641,450	1,021,518	1,161,639	1,487,051	325,412
##	373	1,564,387	743,488	993,701	1,280,250	286,549
##	374	17,077,862	7,523,538	9,437,073	11,848,368	2,411,295
##	375	1,059,027	395,084	463,228	605,747	142,519
##	376	1,029,388	516,795	616,695	653,029	36,334
##	377	1,298,825	552,808	662,344	854,247	191,903
##	378	4,893,865	2,297,896	3,182,336	3,751,240	568,904
##	379	1,061,293	546,685	632,887	692,867	59,980
##	380	853,110	384,745	430,498	531,202	100,704
##	381	5,272,683	2,661,934	3,299,515	3,791,913	492,398
##	382	601,436	168,737	234,571	200,290	-34,281
##	383	263,422	107,146	125,407	142,044	16,637
##	384	723,354	1,053,976	1,582,181	2,182,362	600,181
##	385	5,277,341	1,996,236	2,280,654	2,999,579	718,925
	386	88,439	37,750	41,437	57,637	16,200
	387	517,164	258,136	267,817	314,340	46,523
	388	292,305	149,257	155,722	174,537	18,815
	389	215,701	109,448	111,217	127,686	16,469
	390	623,826	313,416	312,493	349,205	36,712
	391	718,008	366,760	383,966	436,104	52,138
	392	348,771	129,188	148,147	171,603	23,456
	393	164,130	63,297	71,935	93,397	21,462
	394	1,501,152	627,403	742,983	968,251	225,268
	395	90,358	35,837	39,981	49,631	9,650
	396	3,038,655	1,463,280	1,809,540	2,365,718	556,178
	397	7,033,377	2,368,959	2,830,854	4,426,924	1,596,070
	398	3,867,341	1,706,575	2,047,952	2,446,607	398,655
	399	1,347,765	709,394	715,676	775,401	59,725
	400	17,568,837	6,944,923	9,206,396	11,722,581	2,516,185
	401	1,310,163	609,687	689,509	861,278	171,769
	402	8,027,234	3,100,667	3,659,612	4,794,614	1,135,002
	403	1,776,084	841,585	937,847	1,132,629	194,782
	404	5,730,846	2,394,479	2,932,966	3,588,300	655,334
	405	1,171,303	325,750	457,932	766,744	308,812
	406	1,885,928	705,574	703,246	1,038,309	335,063
	407	10,010,419	4,284,646	4,766,773	5,240,027	473,254
	408	6,262,449	2,741,359	3,023,613	3,723,038	699,425
	409	1,412,179	807,093	777,620	907,248	129,628
	410	6,883,317	3,622,647	4,656,086	5,520,086	864,000
	411	7,625,674	3,022,047	3,508,016	4,448,452	940,436
	412	2,025,162	311,888	1,034,620	1,430,664	396,044
	413	1,090,449	514,007			
	414	2,008,091	-	612,324	749,356 1,268,933	137,032
	414		902,165 1,019,115	1,067,116		201,817 186 735
		2,216,647		1,076,417	1,263,152	186,735
	416	2,086,114	1,089,861	1,133,530	1,377,535	244,005
##	417	4,334,290	1,422,188	1,691,730	2,662,316	970,586

```
## 418
           5,018,211
                        1,790,223
                                     2,225,527
                                                     3,116,629
                                                                          891,102
           2,299,903
## 419
                        1,040,869
                                                     1,459,323
                                                                          262,547
                                     1,196,776
## 420
             228,144
                           110,133
                                        109,098
                                                       131,421
                                                                           22,323
           1,080,829
                                                       531,319
                                                                           64,678
## 421
                           474,806
                                        466,641
## 422
           4,715,335
                        1,768,131
                                     2,110,765
                                                     2,629,433
                                                                          518,668
## 423
           1,345,420
                           702,013
                                        707,596
                                                       836,028
                                                                          128,432
## 424
           7,354,064
                        2,951,061
                                      3,799,692
                                                     4,770,175
                                                                          970,483
## 425
           4,623,070
                                                                          924,176
                        1,768,317
                                     2,189,038
                                                     3,113,214
## 426
           1,337,787
                           681,796
                                        753,419
                                                       838,374
                                                                           84,955
## 427
                                     3,302,348
           6,381,132
                        2,634,483
                                                     3,905,277
                                                                          602,929
## 428
           5,345,369
                        2,391,083
                                     3,037,602
                                                     3,872,081
                                                                          834,479
## 429
         370,545,959 153,292,738 183,587,543
                                                  232,489,655
                                                                       48,902,112
## 430
         138,381,037
                       65,662,311 72,920,734
                                                   81,067,948
                                                                        8,147,214
## 431
         952,710,327 319,882,176 381,549,651
                                                  546,640,695
                                                                      165,091,044
## 432
         236,149,679 100,703,801 121,918,793
                                                  153,227,167
                                                                       31,308,374
## 433
                                                                                 0
## 434 1,697,787,002 639,541,025 759,976,721 1,013,425,465
                                                                      253,448,744
## 435
##
               X X2022.Rank
## 1
       The Bronx
                  The Bronx
## 2
          16.70%
                          333
## 3
          10.60%
                          152
          23.20%
                           37
## 4
## 5
          14.40%
                          165
## 6
          -1.00%
                          194
## 7
          17.30%
                          191
## 8
           1.60%
                          257
## 9
           5.90%
                          252
## 10
           0.80%
                          309
                          272
## 11
          12.40%
## 12
           6.60%
                          307
## 13
          13.80%
                          243
                          375
## 14
           7.10%
           2.70%
                          354
## 15
## 16
          23.80%
                          170
## 17
           6.20%
                          311
## 18
          28.70%
                          303
## 19
          10.60%
                          190
## 20
           0.90%
                          79
                          301
## 21
           5.50%
## 22
          12.90%
                          368
## 23
           5.20%
                          248
          37.10%
                          263
## 24
## 25
          11.50%
                          387
## 26
           8.90%
                          260
## 27
          25.40%
                          339
           3.90%
                          367
## 28
## 29
          13.00%
                          169
## 30
          14.70%
                          242
## 31
           7.60%
                          366
## 32
          29.20%
                          413
## 33
          12.00%
                          293
## 34
          16.80%
                          211
## 35
           10.10%
                          341
```

##		13.00%	226
##	37	12.50%	149
##	38	-0.30%	167
##	39	13.70%	313
	40	3.50%	251
	41	20.10%	299
	42	15.20%	155
	43 44	8.00% 14.60%	359
	45	20.50%	290 172
	46	0.40%	241
	47	21.80%	347
	48	25.50%	403
	49	25.70%	388
	50	12.90%	235
##	51	15.70%	178
	52	9.40%	285
##	53	9.10%	360
##	54	5.00%	206
	55	16.60%	100
	56	11.00%	256
	57	0.40%	207
	58	22.40%	369
##	59	9.60%	236
	60	3.00%	209
	61	13.40%	323
	62	-4.70%	204
	63	21.50%	219
	64	3.30%	321
	65	3.10%	261
##	66	11.60%	274
##	67	14.20%	400
##	68	4.70%	249
##	69	20.20%	385
##	70	Brooklyn	Brooklyn
##	71	38.80%	244
##	72	30.50%	234
##	73	20.00%	348
##	74	21.20%	268
##	75	32.40%	275
##	76	32.90%	316
##	77	29.60%	304
##	78	20.00%	334
##	79	32.30%	85
##	80	31.50%	116
##	81	18.60%	179
##	82	21.90%	342
##	83	16.60%	164
##	84	11.80%	398
##	85	20.60%	110
##	86	37.10%	162
##	87	40.10%	130
##	88	28.90%	282
##	89	21.70%	279

##	90	30.00%	233
##	91	30.60%	132
##	92	19.90%	374
##	93	21.40%	136
##	94	29.70%	239
##	95	-0.40%	402
##	96	21.50%	408
##	97	32.10%	19
##	98	43.40%	358
##	99	23.10%	404
##	100	15.10%	259
##	101	18.70%	253
##	102	25.50%	377
##	103	29.50%	389
##	104	24.60%	407
##	105	19.60%	325
##	106	19.10%	210
##	107	28.10%	395
##	108	30.50%	365
##	109	30.30%	184
##	110	28.90%	414
##	111	23.00%	197
##	112	21.80%	189
##	113	21.40%	280
##	114	45.40%	23
##	115	29.30%	171 329
## ##	116	47.60%	
##	117 118	42.60% 31.70%	134
##	119	25.70%	337 306
##	120	17.30%	135
##	121	14.60%	284
##	122	9.70%	205
##	123	23.70%	378
##	124	2.70%	264
##	125	39.60%	138
##	126	30.10%	322
##	127	8.30%	363
##	128	20.00%	166
##	129	17.70%	92
##	130	21.40%	159
##	131	26.60%	312
##	132	34.20%	240
##	133	1.70%	391
##	134	45.00%	221
##	135	37.70%	269
##	136	25.80%	96
##	137	20.40%	237
##	138	43.10%	32
##	139	3.80%	331
##	140	16.50%	49
##	141	6.60%	412
##	142	36.00%	61
##	143	15.30%	125

##	144	25.40%	330
##	145	13.10%	371
##	146	35.00%	297
##	147	12.50%	177
##	148	26.40%	80
##	149	11.70%	353
##	150	7.90%	198
##	151	18.70%	305
##	152	41.30%	250
##	153	34.90%	220
##	154	34.30%	97
##	155	24.10%	266
##	156	35.80%	222
##	157	16.70%	224
##	158	30.00%	158
##	159	41.20%	215
##	160	25.40%	212
##	161	20.50%	277
##	162	22.80%	146
##	163	15.80%	262
##	164	19.20%	181
##	165	9.40%	364
##	166	55.00%	142
##	167	28.80%	214
##	168	32.40%	133
##	169	43.90%	25
##	170	31.10%	174
##	171	22.60%	394
##	172	21.50%	65
##	173	24.70%	351
##	174	24.80%	258
##	175	22.70%	298
##	176	35.10%	230
##	177	20.60%	319
##	178	19.70%	271
##	179	37.10%	267
##	180	16.30%	390
##	181	34.30%	376
##	182	10.40%	318
##	183	38.40%	76
##	184	25.20%	119
##	185	24.40%	188
##	186	27.10%	183
##	187	23.10%	145
##	188	24.30%	245
##	189	28.90%	55
##	190	27.60%	157
##	191	26.10%	317
##	192	36.70%	411
##	193	34.40%	176
##	194	13.80%	292
##	195	8.20%	343
##	196	19.80%	270
##	197	18.90%	217

шш			
##	198	19.60%	153
##	199	5.90%	382
##	200	23.60%	338
##	201	27.90%	78
##	202	21.30%	349
##	203	26.00%	409
##	204	17.40%	232
##	205	10.20%	324
##	206	23.80%	345
##	207	32.70%	247
##	208	29.50%	147
##	209	14.90%	283
##	210	6.20%	320
## ##	211	18.00% 9.40%	286
##	212	22.80%	296
##	213214	22.80% 14.90%	122 370
##	214	26.30%	302
##	216	23.80%	255
##	217	-1.60%	379
##	218	12.00%	246
##	219	33.20%	240
##	220	18.80%	108
##	221	14.50%	386
##	222	13.30%	381
##	223	9.70%	380
##	224	35.20%	361
##	225	21.20%	
			794
			294 192
## ##	226	24.60%	192
##	226 227	24.60% 63.40%	192 118
## ##	226	24.60% 63.40% Manhattan	192
## ## ##	226 227 228	24.60% 63.40%	192 118 Manhattan 31
## ## ## ##	226 227 228 229	24.60% 63.40% Manhattan 34.80%	192 118 Manhattan
## ## ## ##	226 227 228 229 230	24.60% 63.40% Manhattan 34.80% 36.90%	192 118 Manhattan 31 115
## ## ## ## ##	226 227 228 229 230 231 232	24.60% 63.40% Manhattan 34.80% 36.90% 17.90%	192 118 Manhattan 31 115 124
## ## ## ## ##	226 227 228 229 230 231	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40%	192 118 Manhattan 31 115 124 295
## ## ## ## ## ##	226 227 228 229 230 231 232 233	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10%	192 118 Manhattan 31 115 124 295 150
## ## ## ## ## ##	226 227 228 229 230 231 232 233 234	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70%	192 118 Manhattan 31 115 124 295 150
## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30%	192 118 Manhattan 31 115 124 295 150 160
## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235 236	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20%	192 118 Manhattan 31 115 124 295 150 160 102 218
## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235 236 237	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00%	192 118 Manhattan 31 115 124 295 150 160 102 218
## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235 236 237 238	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175
## ## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235 236 237 238 239	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121
## ## ## ## ## ## ## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235 236 237 238 239 240	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121
######################################	226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34
######################################	226 227 228 229 230 231 232 233 235 236 237 238 239 240 241 242	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00% 10.50%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34
## ## ## ## ## ## ## ## ##	226 227 228 229 230 231 232 233 234 235 236 237 238 240 241 242 243	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.60% 19.00% 10.50% 35.20%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34 137 281
######################################	226 227 228 229 230 231 232 233 234 235 236 237 238 240 241 242 243 244	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00% 10.50% 35.20% 30.50% 49.60% 39.40%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34 137 281
# # # # # # # # # # # # # # # # # # #	226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00% 35.20% 30.50% 49.60%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34 137 281 120
# # # # # # # # # # # # # # # # # # #	226 227 228 229 230 231 232 233 234 235 236 237 238 240 241 242 243 244 245 246	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00% 10.50% 35.20% 30.50% 49.60% 39.40%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34 137 281 120 15
########################	226 227 228 229 230 231 232 233 234 235 236 237 238 240 241 242 243 244 245 246 247	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00% 10.50% 35.20% 30.50% 49.60% 39.40% 35.30% 30.60% 13.40%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34 137 281 120 15
#########################	226 227 228 229 230 231 232 233 235 236 237 238 240 241 242 243 244 245 246 247 248	24.60% 63.40% Manhattan 34.80% 36.90% 17.90% 28.40% 19.10% 18.70% 19.30% 27.20% 59.00% 46.40% 18.80% 18.60% 19.00% 10.50% 35.20% 39.40% 39.40% 30.60%	192 118 Manhattan 31 115 124 295 150 160 102 218 95 175 121 50 34 137 281 120 15 16 4

##	252	18.10%	384
##	253	29.40%	140
##	254	15.30%	326
##	255	15.60%	48
##	256	7.00%	144
##	257	55.70%	193
##	258	1595.50%	156
##	259	-6.70%	163
##	260	63.00%	327
##	261	6.60%	185
##	262	39.60%	74
##	263	31.00%	225
##	264	46.90%	399
##	265	48.70%	104
##	266	59.60%	44
## ##	267 268	32.90% 46.70%	63 46
##	269	47.70%	71
##	270	63.40%	114
##	271	42.00%	72
##	272	49.30%	143
##	273	29.40%	203
##	274	32.70%	41
##	275	39.50%	3
##	276	55.70%	53
##	277	49.30%	8
##	278	45.40%	6
##	279	60.10%	13
##	280	76.90%	47
##	281	59.60%	69
##	282	41.60%	91
##	283	99.40%	38
##	284	52.00%	57
##	285	68.50%	94
##	286	56.80%	26
##	287	48.00%	7
##	288	61.90%	59
##	289	43.20%	54
##	290	76.40%	89
##	291	36.30%	22
##	292	39.10%	161
##	293	22.90%	28
##	294	30.20%	30
##	295	40.00%	86
##	296	54.00%	81
##	297	49.30%	99
##	298	35.40%	70
##	299	33.60%	17
##	300	33.90%	148
##	301	36.00%	40
##	302	31.20%	24
##	303	27.70%	77
##	304	23.90%	168
##	305	27.60%	75

##	306	51.50%	84
##	307	30.70%	336
##	308	52.40%	60
##	309	38.30%	276
##	310	48.00%	21
##	311	60.50%	36
##	312	56.00%	287
##	313	44.70%	83
## ##	314	37.80% 36.50%	18
##	315	26.50%	113 186
##	316	20.70%	
##	317 318	66.50%	199 82
##	319	59.30%	11
##	320	59.30%	128
##	321	53.30%	291
##	322	35.00%	291
##	323	27.10%	200
##	324	10.80%	238
##	325	40.30%	98
##	326	77.90%	265
##	327	53.80%	5
##	328	63.80%	2
##	329	33.90%	39
##	330	14.60%	356
##	331	57.40%	129
##	332	6.30%	196
##	333	33.80%	12
##	334	56.60%	14
##	335	30.10%	58
##	336	23.80%	278
##	337	43.40%	107
##	338	58.50%	213
##	339	41.20%	289
##	340	44.80%	173
##	341	43.10%	35
##	342	52.00%	117
##	343	42.40%	123
##	344	52.60%	1
##	345	54.00%	90
##	346	52.10%	105
##	347	39.60%	20
##	348	90.50%	127
##	349	100.00%	324
##	350	Queens	Queens
##	351	16.90%	45
##	352	25.70%	406
##	353	12.50%	383
##	354	15.70%	103
##	355	22.00%	392
##	356	9.70%	397
##	357	16.10%	393
##	358	22.70%	187
##	359	19.10%	401

##	360	45.70%	139
##		29.50%	111
##		53.30%	182
##		31.40%	227
##		40.20%	340
##		44.90%	355
##		30.80%	154
##	367	27.30%	180
##		23.90%	106
	369	24.10%	223
	370	20.60%	101
	371	19.50%	346
	372	28.00%	195
	373	28.80%	228
	374	25.60%	9
	375	30.80%	357
	376	5.90%	350
	377	29.00%	310
	378 379	17.90%	67
	380	9.50%	344
	381	23.40%	373 66
	382	14.90% -14.60%	415
	383	13.30%	418
	384	37.90%	141
	385	31.50%	93
	386	39.10%	422
	387	17.40%	410
	388	12.10%	416
	389	14.80%	420
	390	11.70%	405
	391	13.60%	396
	392	15.80%	417
	393	29.80%	421
	394	30.30%	288
	395	24.10%	423
	396	30.70%	131
##	397	56.40%	52
##	398	19.50%	126
##	399	8.30%	328
##	400	27.30%	10
##	401	24.90%	308
##	402	31.00%	42
##	403	20.80%	254
##	404	22.30%	73
##	405	67.40%	332
##	406	47.60%	273
##	407	9.90%	33
##	408	23.10%	68
##	409	16.70%	300
##	410	18.60%	29
##	411	26.80%	51
##	412	38.30%	208
##	413	22.40%	335

```
## 414
         18.90%
                        229
## 415
         17.30%
                        231
## 416
         21.50%
                        216
## 417
         57.40%
                        109
## 418
         40.00%
                         87
## 419
         21.90%
                        201
## 420
         20.50%
                        419
## 421
         13.90%
                        372
## 422
         24.60%
                        112
## 423
         18.20%
                        315
## 424
         25.50%
                         43
## 425
         42.20%
                         88
## 426
         11.30%
                        314
## 427
         18.30%
                         62
## 428
         27.50%
                         64
## 429
          26.6%
## 430
          11.2%
## 431
          43.3%
## 432
           25.7%
## 433
## 434
           33.3%
## 435
str(MTA_df)
                    435 obs. of 10 variables:
## 'data.frame':
## $ Station..alphabetical.by.borough.: chr "The Bronx" "138 St-Grand Concourse" "149 St-Grand
                                       : chr "The Bronx" "1,036,746" "4,255,015" "8,596,506" ...
## $ X2017
## $ X2018
                                       : chr "The Bronx" "944,598" "3,972,763" "8,392,290" ...
## $ X2019
                                              "The Bronx" "1,035,878" "3,931,908" "8,254,928" ...
                                       : chr
                                             "The Bronx" "371,408" "1,815,785" "3,221,651" ...
##
   $ X2020
                                       : chr
                                       : chr "The Bronx" "656,866" "1,832,521" "4,077,604" ...
## $ X2021
                                       : chr "The Bronx" "766,610" "2,026,363" "5,023,193" ...
## $ X2022
## $ X2021.2022.Change
                                       : chr
                                              "The Bronx" "109,744" "193,842" "945,589" ...
## $ X
                                       : chr "The Bronx" "16.70%" "10.60%" "23.20%" ...
## $ X2022.Rank
                                       : chr "The Bronx" "333" "152" "37" ...
Cleaning and Tidying up the dataset
# Creating new column names
newcolumn <- c('Station', 2017, 2018, 2019, 2020, 2021, 2022, '2021 - 2022 Net Change',
                  '2021 - 2022 % Change', '2022 Rank')
colnames(MTA_df) <- newcolumn</pre>
# Finding borough rows
borough <- c('The Bronx', 'Brooklyn', 'Manhattan', 'Queens')
rowvalues <- c()
for(i in 1:length(borough)){
 rowvalues[i] <- rownames(MTA_df[which(MTA_df$'2017' == borough[i]),])
}
rowvalues
```

Con

[1] "1"

"70" "228" "350"

Analyzing and creating visuals for the data

```
dfBronx <- MTA df[2:69,]
dfBronx['Borough'] <- borough[1]</pre>
dfBrooklyn <- MTA df[71:227,]
dfBrooklyn['Borough'] <- borough[2]</pre>
dfManhattan <- MTA_df[229:349,]
dfManhattan['Borough'] <- borough[3]</pre>
dfQueens <- MTA_df[351:dim(MTA_df)[1],]</pre>
dfQueens['Borough'] <- borough[4]</pre>
MTA_df2 <- rbind(dfBronx, dfBrooklyn, dfManhattan, dfQueens)
# Removing commas and transforming characters into integers
MTA_df2 <- MTA_df2 %>%
  mutate(x = droplevels(MTA_df2),
         '2017' = as.integer(str_remove_all(MTA_df2\$'2017', ',')),
         '2018' = as.integer(str remove all(MTA df2$'2018',
         '2019' = as.integer(str_remove_all(MTA_df2$'2019', ',')),
         '2020' = as.integer(str_remove_all(MTA_df2\$'2020', ',')),
         '2021' = as.integer(str_remove_all(MTA_df2$'2021', ',')),
         '2022' = as.integer(str_remove_all(MTA_df2\$'2022', ',')),
         '2021 - 2022 Net Change' = as.integer(str_remove_all(MTA_df2$'2021 - 2022 Net Change', ',')),
         '2021 - 2022 % Change' = as.numeric(str_remove_all(MTA_df2$'2021 - 2022 % Change', '%')),
         '2022 Rank' = as.integer(MTA_df2$'2022 Rank')) %>%
select(Borough, colnames(MTA_df2))
colnames2 <- c('Borough', 2017, 2018, 2019, 2020, 2021, 2022)
MTA_df3 <- MTA_df2 %>%
 select(colnames2)
## Warning: Using an external vector in selections was deprecated in tidyselect 1.1.0.
## i Please use `all_of()` or `any_of()` instead.
##
     # Was:
     data %>% select(colnames2)
##
##
##
     # Now:
     data %>% select(all of(colnames2))
##
##
## See <https://tidyselect.r-lib.org/reference/faq-external-vector.html>.
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_lifecycle_warnings()` to see where this warning was
## generated.
avgMTA <- MTA_df3 %>%
  pivot_longer(!Borough, names_to = 'Year', values_to = 'Ridership') %>%
  group_by(Borough, Year) %>%
 summarize(Avg_Ridership = mean(Ridership, na.rm = TRUE))
## `summarise()` has grouped output by 'Borough'. You can override using the
## `.groups` argument.
```

```
ggplot(data = avgMTA) +
  geom_bar(mapping = aes(x = Year, y = Avg_Ridership, fill = Borough), stat = 'identity') +
  facet_grid(~ Borough) +
  theme(axis.text.x = element_text(angle = 70, hjust = 1)) +
  labs(title = 'Average Riderhip from 2017 - 2022 by Borough')
```

Average Riderhip from 2017 - 2022 by Borough

