title: "Homework#3, Lab#3, Econometrics B2000"

author: "Hassan Fayyaz"

date:"09/30/2021"

'Q#1: Names of study group '

'Adelia Fida, Hassan Fayyaz, Hugo Pinto, Tanmay Thomas'

'Q#2: Write up the results of your Lab 2 work.'

rm(list = ls(all = TRUE))

setwd("C:/Users/hassa/Desktop/Fall 2021/1_Econometrics_(B2000)/Homeworks/1_HW")

load("acs2017_ny_data.RData")

dat_NYC <- subset(acs2017_ny, (acs2017_ny$in_NYC == 1)&(acs2017_ny$AGE > 20) & (acs2017_ny$AGE < 66))

attach(dat_NYC)

'The following objects are masked from dat_NYC (pos = 3):

  AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

  CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

  DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 4):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 5):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 6):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 7):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 8):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 9):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 10):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 11):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 12):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 13):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 14):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 15):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 16):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 17):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 18):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 19):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 20):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 21):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 22):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 23):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 24):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 25):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 26):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 27):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 28):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 29):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 30):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 31):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 32):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 33):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 34):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 35):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 36):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 37):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 38):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 39):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 40):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 41):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 42):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 43):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 44):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 45):

28

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 46):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 47):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 48):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 49):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 50):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 51):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 52):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 53):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 54):

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 55):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 56):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 57):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 58):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 59):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 60):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 61):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 62):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 63):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 64):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 65):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 66):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 67):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 68):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from dat_NYC (pos = 70):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 71):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 72):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1

The following objects are masked from acs2017_ny (pos = 73):

AfAm, AGE, Amindian, ANCESTR1, ANCESTR1D, ANCESTR2, ANCESTR2D, Asian, below_150poverty, below_200poverty, below_povertyline, BPL, BPLD, BUILTYR2, CITIZEN,

CLASSWKR, CLASSWKRD, Commute_bus, Commute_car, Commute_other, Commute_rail, Commute_subway, COSTELEC, COSTFUEL, COSTGAS, COSTWATR, DEGFIELD, DEGFIELD2,

DEGFIELD2D, DEGFIELDD, DEPARTS, EDUC, educ_advdeg, educ_college, educ_hs, educ_nohs, educ_somecoll, EDUCD, EMPSTAT, EMPSTATD, FAMSIZE, female, foodstamps,

FOODSTMP, FTOTINC, FUELHEAT, GQ, has_AnyHealthIns, has_PvtHealthIns, HCOVANY, HCOVPRIV, HHINCOME, Hisp_Cuban, Hisp_DomR, Hisp_Mex, Hisp_PR, HISPAN, HISPAND,

Hispanic, in_Bronx, in_Brooklyn, in_Manhattan, in_Nassau, in_NYC, in_Queens, in_StatenI, in_Westchester, INCTOT, INCWAGE, IND, LABFORCE, LINGISOL, MARST,

MIGCOUNTY1, MIGPLAC1, MIGPUMA1, MIGRATE1, MIGRATE1D, MORTGAGE, NCHILD, NCHLT5, OCC, OWNCOST, OWNERSHP, OWNERSHPD, POVERTY, PUMA, PWPUMA00, RACE, race_oth, RACED,

RELATE, RELATED, RENT, ROOMS, SCHOOL, SEX, SSMC, TRANTIME, TRANWORK, UHRSWORK, UNITSSTR, unmarried, veteran, VETSTAT, VETSTATD, white, WKSWORK2, YRSUSA1'

```
borough_f <- factor((in_Bronx + 2*in_Manhattan + 3*in_StatenI + 4*in_Brooklyn +
5*in_Queens), levels=c(1,2,3,4,5),labels = c("Bronx","Manhattan","Staten
Island","Brooklyn","Queens"))


norm_varb <- function(X_in) {

  (X_in - min(X_in, na.rm = TRUE))/( max(X_in, na.rm = TRUE) - min(X_in, na.rm = TRUE) )

}


is.na(POVERTY) <- which(POVERTY == 9999999)

pov_unm <- POVERTY + unmarried

norm_inc_tot <- norm_varb(INCTOT)

norm_pov_unm <- norm_varb(pov_unm)


data_use_prelim <- data.frame(norm_inc_tot,norm_pov_unm)

good_obs_data_use <- complete.cases(data_use_prelim,borough_f)
```

```
dat_use <- subset(data_use_prelim,good_obs_data_use)

y_use <- subset(borough_f,good_obs_data_use)



set.seed(12345)

NN_obs <- sum(good_obs_data_use == 1)

select1 <- (runif(NN_obs) < 0.8)

train_data <- subset(dat_use,select1)

test_data <- subset(dat_use,(!select1))

cl_data <- y_use[select1]

true_data <- y_use[!select1]



summary(cl_data)
```

'Bronx   Manhattan Staten Island   Brooklyn   Queens

    4880   5250   1891   12416   10923 '

```
prop.table(summary(cl_data))
```

'Bronx   Manhattan Staten Island   Brooklyn   Queens

  0.13800905   0.14847285   0.05347851   0.35113122   0.30890837 '

```
summary(train_data)
```

'norm_inc_tot   norm_pov_unm

 Min.   :0.00000 Min.   :0.0000

 1st Qu.:0.01191 1st Qu.:0.3227

 Median :0.02693 Median :0.7171

 Mean   :0.04265 Mean   :0.6445

 3rd Qu.:0.05219 3rd Qu.:0.9980

 Max.   :1.00000 Max.   :1.0000 '

```r
require(class)

for (indx in seq(1, 9, by= 2)) {

  pred_borough <- knn(train_data, test_data, cl_data, k = indx, l = 0, prob = FALSE, use.all =
TRUE)

  num_correct_labels <- sum(pred_borough == true_data)

  correct_rate <- num_correct_labels/length(true_data)

  print(c(indx,correct_rate))

}
```

```
'[1] 1.0000000 0.3364346

 [1] 3.0000000 0.3439008

 [1] 5.0000000 0.3501034

 [1] 7.0000000 0.3551574

 [1] 9.0000000 0.3566506 '
```

```r
cl_data_n <- as.numeric(cl_data)


model_ols1 <- lm(cl_data_n ~ train_data$norm_inc_tot + train_data$norm_pov_unm)


y_hat <- fitted.values(model_ols1)


mean(y_hat[cl_data_n == 1])
#[1] 3.497383
mean(y_hat[cl_data_n == 2])
#[1] 3.488055
mean(y_hat[cl_data_n == 3])
#[1] 3.601521
mean(y_hat[cl_data_n == 4])
```

```
#[1] 3.548642
mean(y_hat[cl_data_n == 5])
#[1] 3.577961


# maybe try classifying one at a time with OLS


cl_data_n1 <- as.numeric(cl_data_n == 1)
model_ols_v1 <- lm(cl_data_n1 ~ train_data$norm_inc_tot + train_data$norm_pov_unm)
y_hat_v1 <- fitted.values(model_ols_v1)


mean(y_hat_v1[cl_data_n1 == 1])
#[1] 0.1631753
mean(y_hat_v1[cl_data_n1 == 0])
#[1] 0.1339798
```