

Project Proposal

due October 11, 2021 by 11:59 PM

Gi Chun, Jay Nolt, Ashley Bae - Team Jackie Fan Club

10/10/2021

Load Packages

```
library(tidyverse)
library(readxl)
```

Load Data

```
load( file = "~/Bae_Chun_Nolt_FinalProject/data/ICPSR_34363/DS0001/34363-0001-Data.rda")
#rename file
data <- da34363.0001
```

Data Citation: Battle, Juan, Pastrana, Antonio Jay, and Daniels, Jessie. Social Justice Sexuality Project: 2010 National Survey, including Puerto Rico. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2013-08-09. <https://doi.org/10.3886/ICPSR34363.v1>

Introduction and Data, including Research Questions

Our general research question is: “What is the correlation between specific identity factors and health access?” This is the question we’re posing to start our project, though as we proceed, we would have more clarity on what specific variables to analyze statistically significant relationships. We chose this question because we want to highlight interesting trends that may arise, especially in examining intersectional inequality between historically marginalized identities within race, sexuality, and class. We are motivated to ask our question from backgrounds of interest in health, racial justice, and wanting to examine US-based data. Our hypothesis is that those who exist at the intersection of marginalized minority groups in race and sexuality would have compounded impacts of inequality than if they were only representing one of the marginalized identities. For example, someone who is black and queer would face negative health outcomes as opposed to someone who’s either black or queer.

We recognize that those in LGBT communities face worse health outcomes than their straight/cis counterparts, which the CDC recognizes as well as American Progress, who cites this outcome as affected by “particularly their reduced access to employer-provided health insurance, the social stigma that exists against LGBT people, and a lack of cultural competence in the health care system” (<https://www.americanprogress.org/issues/lgbtq-rights/reports/2009/12/21/7048/how-to-close-the-lgbt-health-disparities-gap/>). There are also many studies that examine disparity in POC’s access to healthcare, so we wanted to examine possibilities in the intersection of race and sexuality. Our data came from the Social Justice Sexuality Project (SJS) through the University of Michigan’s Resource Center for Minority Data. From January of 2010 to December of 2010, this project conducted surveys with over 5,000 participants who were Black, Latina/o, Asian and Pacific Islander, and multiracial lesbian, gay, bisexual, and transgender (LGBT) people in 50 US states and Puerto Rico. The survey was given via mail questionnaire, on-site questionnaire, and web-based survey in Spanish and English

depending on the respondent. In the dataset itself, each case is an individual respondent who filled out the survey. Each question is a variable with the value determined by an individual's survey response. Since there were hundreds of variables, we chose to remove some columns since we were looking at a more narrow scope of variables. Although the variables touch on very broad topics, this dataset particularly focuses on questions relating to LGBT communities and people of color.

Glimpse

(Please use `glimpse` for your data, uploaded into the data folder, here.)

```
dataFiltered <- data %>%
  select(Q15B, Q15C, Q17A, Q17B, Q18A1: Q18A5, Q18C, Q18G, Q18J, Q19A1: Q19A7, Q22A, Q22B, Q25)
glimpse(data)
```

```
## Rows: 4,953
## Columns: 304
## $ CID          <dbl> NA, NA, NA, 81, NA, NA, NA, 67, NA, NA, 49, NA, 80, NA~
## $ SJSID        <dbl> 10010918, 11020115, 10010505, 24010008, 17030122, 1102~
## $ PAPER        <fct> (0) Online (ICPSR ADDED), (1) Paper (ICPSR ADDED), (0)~
## $ SPANISH      <fct> (0) English (ICPSR ADDED), (0) English (ICPSR ADDED), ~
## $ G1           <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (0) No~
## $ Q1A          <dbl> 1, NA, 6, 4, 1, 2, 1, 6, 1, 4, 1, 2, 2, 3, 1, 4, 2, 2,~
## $ Q1B          <fct> (1) 0-5 miles, NA, (3) 11-20 miles, (3) 11-20 miles, (~
## $ Q1C          <fct> (2) 16-30 minutes, NA, (3) 31-45 minutes, (1) 0-15 min~
## $ Q2A1         <fct> Blanked for Confidentiality - ICPSR ADDED ~
## $ Q2A2         <fct> Blanked for Confidentiality - ICPSR ADDED ~
## $ Q2A3         <fct> Blanked for Confidentiality - ICPSR ADDED ~
## $ Q2B          <fct> (1) Not doing enough, NA, (3) Doing just the right amo~
## $ Q3A1         <fct> Blanked for Confidentiality - ICPSR ADDED ~
## $ Q3A2         <fct> Blanked for Confidentiality - ICPSR ADDED ~
## $ Q3A3         <fct> Blanked for Confidentiality - ICPSR ADDED ~
## $ Q3B          <fct> (1) Not doing enough, NA, (1) Not doing enough, (1) No~
## $ Q4A          <fct> (1) Yes, NA, (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Y~
## $ Q4B          <fct> (3) ., (1) No impact at all, (5) ., (3) ., (6) A large~
## $ Q4C          <fct> (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Yes, ~
## $ Q4D          <fct> (2) ., (5) ., (6) A large impact, (6) A large impact, ~
## $ Q5A          <fct> (4) ., (6) Strongly agree, (6) Strongly agree, (2) ., ~
## $ Q5B          <fct> (2) ., (2) ., (5) ., (1) Strongly disagree, (3) ., (6)~
## $ Q5C          <fct> (4) ., (6) Strongly agree, (5) ., (5) ., (6) Strongly ~
## $ Q6A          <fct> (5) ., (6) Strongly agree, (4) ., (6) Strongly agree, ~
## $ Q6B          <fct> (6) Strongly agree, (6) Strongly agree, (5) ., (5) ., ~
## $ Q6C          <fct> (6) Strongly agree, (6) Strongly agree, (5) ., (5) ., ~
## $ Q7A          <fct> (1) Not doing enough, (1) Not doing enough, (2) Doing ~
## $ Q7B          <fct> (1) Not doing enough, (1) Not doing enough, (2) Doing ~
## $ Q7C          <fct> (2) Doing just the right amount, (1) Not doing enough,~
## $ Q7D          <fct> (2) Doing just the right amount, (1) Not doing enough,~
## $ Q7E          <fct> (2) Doing just the right amount, (1) Not doing enough,~
## $ Q7F          <fct> (2) Doing just the right amount, (2) Doing just the ri~
## $ Q8A          <fct> (1) Never, (4) About once a month, (3) About 6 times a~
## $ Q8B          <fct> (4) About once a month, (5) About once a week, (3) Abo~
## $ Q8C          <fct> (6) More than once a week, (3) About 6 times a year, (~
## $ Q8D          <fct> (6) More than once a week, (4) About once a month, (6)~
## $ Q8E          <fct> (2) Once or twice a year, (2) Once or twice a year, (3~
## $ Q8F          <fct> (1) Never, (2) Once or twice a year, (3) About 6 times~
```

\$ Q9A <fct> (1) Never, (1) Never, (2) Once or twice a year, (2) On-
 ## \$ Q9B <fct> (6) More than once a week, (3) About 6 times a year, (~
 ## \$ Q9C <fct> (6) More than once a week, (5) About once a week, (5) ~
 ## \$ Q9D <fct> (6) More than once a week, (5) About once a week, (6) ~
 ## \$ Q9E <fct> (2) Once or twice a year, (1) Never, (3) About 6 times~
 ## \$ Q9F <fct> (1) Never, (1) Never, (3) About 6 times a year, (2) On-
 ## \$ Q10A <fct> (1) Never, (2) Once or twice a year, (3) About 6 times~
 ## \$ Q10B <fct> (3) About 6 times a year, (4) About once a month, (3) ~
 ## \$ Q10C <fct> (6) More than once a week, (3) About 6 times a year, (~
 ## \$ Q10D <fct> (6) More than once a week, (4) About once a month, (6)~
 ## \$ Q10E <fct> (2) Once or twice a year, (1) Never, (3) About 6 times~
 ## \$ Q10F <fct> (1) Never, (1) Never, (3) About 6 times a year, (2) On-
 ## \$ Q11A <fct> (2) Disagree, (3) Agree, (4) Strongly agree, (3) Agree~
 ## \$ Q11B <fct> (2) Disagree, (3) Agree, (3) Agree, (4) Strongly agree~
 ## \$ Q11C <fct> (2) Disagree, (2) Disagree, (3) Agree, (3) Agree, (3) ~
 ## \$ Q11D <fct> (2) Disagree, (3) Agree, (3) Agree, (4) Strongly agree~
 ## \$ Q11E <fct> (2) Disagree, (2) Disagree, (3) Agree, (4) Strongly ag~
 ## \$ Q12A <fct> (7) None, (2) Protestant, (1) Catholic, (2) Protestant~
 ## \$ Q12A1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q12A2 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q12B <fct> (3) Jewish, (6) Agnostic, (1) Catholic, (2) Protestant~
 ## \$ Q12B1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q12B2 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q12C <fct> (4) Neither negative nor positive, (1) Negative influe~
 ## \$ Q12D <fct> (3) Once or twice a year, (3) Once or twice a year, (8~
 ## \$ Q13A <fct> (5) ., (5) ., (6) Extremely important, (5) ., (6) Extr~
 ## \$ Q14A <fct> (1) None, (3) About half, (4) Most, (2) Some, (2) Some~
 ## \$ Q14B <fct> (2) Some, (5) All, (3) About half, (5) All, (5) All, (~
 ## \$ Q14C <fct> (1) None, NA, (2) Some, (2) Some, (1) None, (5) All, N~
 ## \$ Q14D <fct> (1) None, (5) All, (2) Some, (1) None, (5) All, (5) Al~
 ## \$ Q14E <fct> (1) None, (4) Most, NA, (2) Some, (3) About half, (5) ~
 ## \$ Q14F <fct> (2) Some, (4) Most, (2) Some, (3) About half, (5) All,~
 ## \$ Q15A <fct> (3) ., (4) ., (1) Not supported important at all, (4) ~
 ## \$ Q15B <fct> (4) ., (2) ., (3) ., (1) Never, (3) ., (4) ., (4) ., N~
 ## \$ Q15C <fct> (4) ., (5) ., (4) ., (2) ., (2) ., (6) Always, (5) ., ~
 ## \$ Q15D <fct> (2) 2nd Quartile (12-14), (1) 1st Quartile (0-11), (4)~
 ## \$ Q16A <fct> (4) Most, (3) About half, (4) Most, (5) All, (4) Most,~
 ## \$ Q16B <fct> (6) Extremely important, (6) Extremely important, (5) ~
 ## \$ Q17A <fct> (0) No, (1) Yes, (1) Yes, (1) Yes, (1) Yes, (0) No, (1~
 ## \$ Q17B <fct> (0) No, (0) No, (1) Yes, (1) Yes, (1) Yes, (0) No, (1)~
 ## \$ Q17C <fct> (4) Did not know your sexual identity, (1) Seemed comf~
 ## \$ Q17D <fct> (1) Medical professional, (3) Family, (1) Medical prof~
 ## \$ Q17D1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18A1 <fct> NA, (1) Yes, (1) Yes, NA, (0) No, (0) No, (0) No, (1) ~
 ## \$ Q18A2 <fct> (1) Yes, (1) Yes, NA, (1) Yes, (1) Yes, (0) No, (0) No~
 ## \$ Q18A3 <fct> NA, (0) No, NA, NA, (0) No, (1) Yes, (0) No, NA, NA, N~
 ## \$ Q18A4 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18A5 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (1) Yes, NA, NA, N~
 ## \$ Q18A6 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18B <fct> (2) Female, (2) Female, (1) Male, (2) Female, (2) Fema~
 ## \$ Q18C <fct> (05) Queer, (03) Bisexual, (01) Gay, (02) Lesbian, (02~
 ## \$ Q18C1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18D <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18E1 <fct> (1) Yes, (0) No, (1) Yes, NA, (1) Yes, (0) No, (1) Yes~

\$ Q18E2 <fct> NA, (1) Yes, NA, (1) Yes, (0) No, (1) Yes, (0) No, NA, ~
 ## \$ Q18E3 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18E4 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18E5 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18E6 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18E7 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18F1 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18F2 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18F3 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18F4 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q18F5 <fct> (1) Yes (ICPSR ADDED), (1) Yes (ICPSR ADDED), (1) Yes ~
 ## \$ Q18G <dbl> 1988, 1987, 1959, 1988, 1990, 1971, 1987, 1985, 1990, ~
 ## \$ ZIP <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ PRISLAND <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
 ## \$ Q18H <fct> "11237 ~
 ## \$ Q18I <fct> (1) U.S. citizen, (1) U.S. citizen, NA, (1) U.S. citiz~
 ## \$ Q18I1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18J <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18K <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18L <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q18M <fct> (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Yes, ~
 ## \$ Q19A1 <fct> (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Yes, (1) Yes, ~
 ## \$ Q19A2 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (0) No, NA~
 ## \$ Q19A3 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (0) No, NA~
 ## \$ Q19A4 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (0) No, NA~
 ## \$ Q19A5 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (0) No, NA~
 ## \$ Q19A6 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (0) No, NA~
 ## \$ Q19A7 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (0) No, NA~
 ## \$ ETHNICITY10 <fct> (07) African Continent, (07) African Continent, (07) A~
 ## \$ Q19A8 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ OTHERHISPANIC <fct> (0) Not Other Hispanic, (0) Not Other Hispanic, (0) No~
 ## \$ PRATALL <fct> (0) No, (0) No, (0) No, (0) No, (0) No, (0) No, (0) No~
 ## \$ DOMINICANATALL <fct> (0) Not Dominican, (0) Not Dominican, (0) Not Dominica~
 ## \$ CUBANATALL <fct> (0) Not Cuban, (0) Not Cuban, (0) Not Cuban, (0) Not C~
 ## \$ SOUTHAMERICAN <fct> (0) Not South American, (0) Not South American, (0) No~
 ## \$ MEXICANATALL <fct> (0) Not Mexican, (0) Not Mexican, (0) Not Mexican, (0)~
 ## \$ G2 <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (1) Ye~
 ## \$ G3A <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (5) Ev~
 ## \$ G3B <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (5) Ev~
 ## \$ G3C <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (1) Ne~
 ## \$ G3D <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (1) Ne~
 ## \$ G3E <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (1) Ne~
 ## \$ G4A <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (3) No~
 ## \$ G4B <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (3) Pa~
 ## \$ G4B1 <fct> BLANK ~
 ## \$ G4C <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (1) Ne~
 ## \$ G5A <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (1) Ye~
 ## \$ G5B <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (0) No~
 ## \$ G5C <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (0) No~
 ## \$ G5D <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (0) No~
 ## \$ G6A <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, (0) No~
 ## \$ G6B <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
 ## \$ Q20A <fct> (5) Exclusively men, (1) Exclusively women, (5) Excl~
 ## \$ Q20B <fct> (4) Mostly men, (2) Mostly women, (4) Mostly men, (2) ~

\$ Q20C <fct> (3) Equal numbers of women and men, (2) Mostly women, ~
 ## \$ Q21A <fct> (1) Very liberal, (2) Liberal, (3) Slightly liberal, (~
 ## \$ Q21B <fct> (2) Democrat, (2) Democrat, (4) None of these, (2) Dem~
 ## \$ Q21B1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q21C <fct> (1) Barack Obama, (1) Barack Obama, (4) I am not eligi~
 ## \$ Q21C1 <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ Q22A <fct> "(5) Bachelor's Degree", "(3) Some College, no degree"~
 ## \$ Q22B <fct> "(01) under \$8,500", "(03) \$11,000-\$13,499", "(10) \$50~
 ## \$ Q22C <fct> (0) No, (1) Yes, (1) Yes, (1) Yes, (0) No, (0) No, (0)~
 ## \$ Q22D1 <dbl> 2, 0, NA, 3, 1, 4, 0, 0, 4, 0, 1, 3, 3, 0, NA, NA, 5, ~
 ## \$ Q22D2 <dbl> NA, 0, NA, 1, 1, 0, 0, 0, NA, 0, NA, 0, 1, 0, NA, NA, ~
 ## \$ G7 <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, "(04) ~
 ## \$ G7A <fct> " BLANK ~
 ## \$ Q22E1 <fct> (1) Yes, (1) Yes, NA, (1) Yes, (1) Yes, (0) No, (1) Ye~
 ## \$ Q22E2 <fct> NA, (0) No, (1) Yes, (1) Yes, (0) No, (1) Yes, (0) No,~
 ## \$ Q22E3 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q22E4 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, (1) Yes, N~
 ## \$ Q22E5 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q22E6 <fct> NA, (1) Yes, NA, NA, (0) No, (0) No, (0) No, NA, (1) Y~
 ## \$ Q22E7 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q22E8 <fct> NA, (0) No, NA, NA, (0) No, (0) No, (0) No, NA, NA, NA~
 ## \$ Q22E9 <dbl> NA, NA, NA, NA, 0, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,~
 ## \$ Q22F <fct> (0) No, (0) No, (0) No, (0) No, (0) No, (0) No, (0) No~
 ## \$ Q23A1 <dbl> 5, 5, NA, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 6, 5, NA, 5~
 ## \$ Q23A2 <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ Q23A3 <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
 ## \$ Q23A4 <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ Q23B1 <fct> (1) 1st Quartile (0-144.99), (2) 2nd Quartile (145-169~
 ## \$ Q23B2 <fct> NA, NA, NA, NA, NA, NA, (2) 2nd Quartile (60-69.99), N~
 ## \$ Q23C <fct> (2) Some days, (2) Some days, NA, (3) Every day, (2) S~
 ## \$ Q24A <fct> (4) Most of the time, (3) A lot of the time, NA, (4) M~
 ## \$ Q24B <fct> (4) Most of the time, (4) Most of the time, NA, (4) Mo~
 ## \$ Q24C <fct> (2) Sometimes, (4) Most of the time, NA, (3) A lot of ~
 ## \$ Q24D <fct> (2) Sometimes, (4) Most of the time, NA, (4) Most of t~
 ## \$ Q25 <fct> (3) Good, (5) Excellent, NA, (3) Good, (4) Very good, ~
 ## \$ C1 <dbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, 0, NA,~
 ## \$ RE_Q18D1 <fct> NA, NA, NA, NA, NA, NA, NA, NA, (5) We don't, NA, NA, NA, ~
 ## \$ RE_18I1 <fct> NA, NA, NA, NA, NA, "(08) Permanent Resident/Resident ~
 ## \$ RE_Q18J <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, (01) USA, NA, NA, NA, ~
 ## \$ RE_Q18A6 <fct> NA, NA, NA, NA, NA, NA, (4) Other, NA, NA, NA, NA, (4)~
 ## \$ RE_18C1 <fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
 ## \$ ZCTA <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ POSTOFF <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ COUNTY <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ ST <fct> NY, BL, IL, MD, WI, BL, BL, GA, NY, NY, CA, BL, NY, TX~
 ## \$ STATE <fct> New York , BLANK , ~
 ## \$ STATEFIPS <fct> Blanked for Confidentiality - ICPSR ADDED ~
 ## \$ STACO <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ SQMI <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ ZPOP09 <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ ZPOP09SQMI <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ ZPOP10 <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ ZWHITE10 <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
 ## \$ ZBLACK10 <fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~

## \$ ZAMIND10	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ ZASIANPI10	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ ZMALE10	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ ZFEMALE10	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ ZNOTHISP10	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ ZHISP10	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ REGION	<fct> (1) Northeast, NA, (2) Midwest, (3) South, (2) Midwest~
## \$ DIVISION	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ CBSA	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ CBSANAME	<fct> Blanked for Confidentiality - ICPSR ADDED ~
## \$ COTYPE	<fct> (1) Big City, NA, (1) Big City, (3) Big Metro Sub, (1)~
## \$ COUNTYSZ2	<fct> (4) 1.5M-2.5M, NA, (5) 2.5M+, (3) 500K-1.5M, (3) 500K--
## \$ COUNTYSZ	<fct> "(21) 1,000,000 - 2,499,999", NA, "(23) 5,000,000 or m~
## \$ CBSASIZE	<fct> (6) >6M, NA, (6) >6M, (5) 4M-6M, (4) 1.5M-4M, NA, NA, ~
## \$ CSA	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ CSANAME	<fct> Blanked for Confidentiality - ICPSR ADDED ~
## \$ POPDEN	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ LOGPD	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ CORACE	<fct> (2) Black, NA, (1) White, (1) White, (1) White, NA, NA~
## \$ R_Q2A1	<fct> "(06) Health care", NA, "(27) Self Acceptance", NA, NA~
## \$ R_Q2A2	<fct> "(10) Housing", NA, "(28) Other", NA, NA, "(28) Other"~
## \$ R_Q2A3	<fct> NA, NA, "(22) Social Support/Social Support Services",~
## \$ R_Q3A1	<fct> "(09) Non discrimination Economic Issues", NA, "(20) V~
## \$ R_Q3A2	<fct> "(10) Housing", NA, "(15) Oppression because of religi~
## \$ R_Q3A3	<fct> "(11) HIV/AIDS/Sexual Health Education", NA, "(20) Vis~
## \$ RE_12A	<fct> NA, NA, (2) Protestant, NA, NA, (2) Protestant, NA, NA~
## \$ RE_12A1	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ RE_Q12B	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ RE_Q12B1	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ Q5SCALE	<dbl> 3.33, 4.67, 5.33, 2.67, 5.00, 6.00, 2.00, 6.00, 4.67, ~
## \$ Q6SCALE	<dbl> 5.67, 6.00, 4.67, 5.33, 3.67, 4.33, 1.67, 2.33, NA, 4.~
## \$ Q7SCALE	<dbl> 1.67, 1.17, 2.00, 1.33, 1.83, 1.83, 1.17, NA, NA, 1.17~
## \$ Q8SCALE	<dbl> 3.33, 3.33, 4.00, 3.67, 3.83, 4.67, 4.50, NA, 1.00, 2.~
## \$ Q9SCALE	<dbl> 3.67, 2.67, 3.50, 3.83, 3.00, 4.00, 4.17, NA, 1.00, 2.~
## \$ Q10SCALE	<dbl> 3.17, 2.50, 3.83, 3.67, 1.00, 4.00, 3.83, NA, 1.00, 2.~
## \$ Q11SCALE	<dbl> 2.0, 2.6, 3.2, 3.6, 1.8, 4.0, 2.2, NA, 1.0, 3.4, 4.0, ~
## \$ Q14SCALE	<dbl> 1.33, 4.20, 2.60, 2.50, 3.50, 4.83, 3.20, 1.00, NA, 3.~
## \$ Q20SCALE	<dbl> 4.00, 1.67, 4.67, 1.33, 1.00, 5.00, 1.00, 3.67, 5.00, ~
## \$ Q24SCALE	<dbl> 3.00, 3.75, NA, 3.75, 4.00, 1.75, 3.00, 3.25, 3.25, 3.~
## \$ PARENTATALL	<fct> (0) Not a parent, (0) Not a parent, (0) Not a parent, ~
## \$ SOUTH	<fct> (0) Not From South, NA, (0) Not From South, (1) South,~
## \$ GENDERID	<fct> (2) Female, (6) Multiple Identities, (1) Male, (2) Fem~
## \$ CISGENDER	<fct> (1) CisGender, (0) Gender Variant, (1) CisGender, (1) ~
## \$ SEXVRACE	<fct> (3) Racial Identity is more important, (3) Racial Iden~
## \$ BMICAT	<fct> (2) Normal weight, (2) Normal weight, NA, (4) Obese, (~
## \$ BMINUMBER	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ RACECAT	<fct> (1) Only Black, (1) Only Black, (1) Only Black, (1) On~
## \$ GENDER3	<fct> (2) Only Female, (2) Only Female, (1) Only Male, (2) 0~
## \$ AGE	<fct> (9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ YOUTH	<fct> (1) <= 24, (1) <= 24, (0) 25+, (1) <= 24, (1) <= 24, (~
## \$ OLDER	<fct> (0) <60, (0) <60, (0) <60, (0) <60, (0) <60, (0) <60, ~
## \$ AGE3	<fct> (1) 18-24, (1) 18-24, (3) 50+, (1) 18-24, (1) 18-24, (~
## \$ RE_19A8	<fct> (01) Black: African, (01) Black: African, (01) Black: ~
## \$ BLACK	<fct> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~

## \$ HISPANIC	<fct>	NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
## \$ ASIAN	<fct>	NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
## \$ NATIVEAMERICAN	<fct>	NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
## \$ WHITE	<fct>	NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA~
## \$ WHITEATALL	<fct>	(0) Not White at all, (0) Not White at all, (0) Not Wh~
## \$ BLACKATALL	<fct>	(1) Black at all, (1) Black at all, (1) Black at all, ~
## \$ HISPANICATALL	<fct>	(0) Not Hispanic at all, (0) Not Hispanic at all, (0) ~
## \$ ASIANATALL	<fct>	(0) Not Asian at all, (0) Not Asian at all, (0) Not As~
## \$ NATIVEATALL	<fct>	(0) Not Native American at all, (0) Not Native America~
## \$ R_Q18J	<fct>	(01) US, NA, (00) Outside US, (01) US, (00) Outside US~
## \$ R_Q18K	<fct>	(1) US, (1) US, (0) Outside US, (0) Outside US, (0) Ou~
## \$ R_Q18L	<fct>	(0) Outside US, (0) Outside US, (0) Outside US, (0) Ou~
## \$ FOREIGNBORN	<fct>	(0) Born in US, NA, (1) Foreign Born, (0) Born in US, ~
## \$ FIRSTGI	<fct>	(0) Not a First Generation Immigrant, (0) Not a First ~
## \$ CITIZEN	<fct>	(1) Naturalized or US Citizen, (1) Naturalized or US C~
## \$ PARENTSFB	<fct>	(1) Parents Foreign Born, (1) Parents Foreign Born, (1~
## \$ SECONDGI	<fct>	(1) Second Generation Immigrant, (1) Second Generation~
## \$ THIRDGI	<fct>	(0) Not At Least Third Generation Immigrant, (0) Not A~
## \$ POC	<fct>	(1) Person of Color (POC), (1) Person of Color (POC), ~
## \$ STRAIGHT	<fct>	(0) LGBTQ, (0) LGBTQ, (0) LGBTQ, (0) LGBTQ, (0) LGBTQ,~
## \$ GMHC	<fct>	(0) Not Gay Men's Health Crisis (GMHC), (0) Not Gay Me~
## \$ SEXTRACE	<fct>	(0) Sexual identity is not more important, (0) Sexual ~
## \$ RACETSEX	<fct>	(1) Racial identity is more important, (1) Racial iden~
## \$ SEXEQRACE	<fct>	(0) Sexual and racial identity are not equal, (0) Sexu~
## \$ FEMALE	<fct>	(1) Identify as females, (1) Identify as females, (0)~
## \$ GENVARIANT	<fct>	(0) Do not identify as gender variant, (0) Do not iden~
## \$ MALE	<fct>	(0) Do not identify as male, (0) Do not identify as ma~
## \$ NORELIGION	<fct>	(0) Practice religion, (1) Do not practice a religion,~
## \$ SINGLE	<fct>	(1) Single, (0) Not single, (1) Single, (0) Not single~
## \$ BIGCITY	<fct>	(1) Big city resident, NA, (1) Big city resident, (0) ~
## \$ RURAL	<fct>	(0) Not a rural resident, NA, (0) Not a rural resident~
## \$ PRSAMPLE	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ Q17C_COMFORT	<fct>	(0) No (ICPSR ADDED), (1) Yes (ICPSR ADDED), (1) Yes (~
## \$ Q17C_UNCOMFORT	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ Q17C_IGNORE	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ Q17C_DKID	<fct>	(1) Yes (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (I~
## \$ SMOKE	<fct>	(1) Smoke at least some days, (1) Smoke at least some ~
## \$ DBLACK	<fct>	(1) Yes (ICPSR ADDED), (1) Yes (ICPSR ADDED), (1) Yes ~
## \$ DHISP	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ DASIAN	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ DNATIVEAM	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ DWHITE	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ DORACE	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ AGE18	<fct>	(9) Blanked for Confidentiality - ICPSR ADDED, (9) Bla~
## \$ FILTER_BLACK	<fct>	(1) Yes (ICPSR ADDED), (1) Yes (ICPSR ADDED), (1) Yes ~
## \$ Q17D_MEDICAL	<fct>	(1) Yes (ICPSR ADDED), (0) No (ICPSR ADDED), (1) Yes (~
## \$ FILTER_HISPANIC	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ FILTER_ASIAN	<fct>	(0) No (ICPSR ADDED), (0) No (ICPSR ADDED), (0) No (IC~
## \$ FQ15B	<fct>	(3) ., (5) ., (4) ., (6) Never, (4) ., (3) ., (3) ., N~
## \$ FQ15C	<fct>	(3) ., (2) ., (3) ., (5) ., (5) ., (1) Always, (2) .,

Data Analysis Plan

We want to look at health access outcomes for minority identity groups. Specifically, we want to identify if intersectional groups experience worse health outcomes than those who have one minority status. Thus, our outcome variables will include access to health insurance, visits to a regular doctor, and personal health assessment. Our predictors will be race, gender, sexuality. Our comparison groups will be age, education level, and household income. We may choose to specify our scope of analysis to cover fewer variables as we begin to analyze data since we want to focus on highlighting interesting trends. The essential goal for our project is to understand the role of intersectional identities to healthcare access. For example, how does a white, cis, straight man's access to healthcare differ from a white, cis, homosexual man's access, a black, cis, straight, man, and so on. We may construct a segmented bar plot of access to health insurance by sexuality, faceted by race. In this way, we can see the trends within different queer minority groups as well as how those trends differ for different racial groups. We can also introduce a socioeconomic component such as income level to show how health access is affected by household income in addition to the identity factors mentioned above. As we run statistical tests and data visualizations, we hope to narrow the scope of our focus to key intersectional groups which help defend or refute our central hypothesis.

Statistical methods that we have learned so far that will be useful to answer our questions are t-tests and probability calculations. We expect to apply more statistical methods to our project as we learn more throughout class. We'd also conduct probability tests that would indicate non-independence of identity variables to prove our hypothesis to be true. We are likely to also use a Chi Square and two-way ANOVA test (as we understand them now) as more applicable statistical methods to the kind of data available in our dataset in comparison to the t-test. Overall, to support our hypothesis, the results that we would need include: significant p-values from t-tests and non-independence from our probability tests. We can use these tests to understand the variance in means across the different populations we examine. In our results, a lower p-value than the alpha that we set would deem statistical significance. For an ANOVA test, we would be able to deem the difference as statistically significant if the F statistic is higher than the critical value, which corresponds to the alpha, which is often .05.

Notes of findings: Questions we chose to tentatively analyze: 15b - feeling uncomfortable in queer space bc of race 15c feeling uncomfortable in racial space bc of queer identity 17a - health insurance access 17b - healthcare provider access 18a - gender identity 18c - sexuality 18g - age 18j - country of birth 19 - race 22a - educational attainment 22b - household income 25 - personal assessment of health