I want to examine non-suicidal self-injury, suicidal ideation, and suicidal attempt by sexual behavioral discordance (i.e. misalignment in sexual identity and the gender identity of sexual partners) among New York youth using open Youth Risk Behavior Survey (YRBS) data. Data have been downloaded as an Access database with 11,411 observations for 2017 survey in New York. I’ll include demographic variables such as race and ethnicity as covariates. I’ll use Python for analysis and visualization, and potentially deploy an app via Heroku.

Data: <https://www.cdc.gov/healthyyouth/data/yrbs/data.htm>

Relevant questions asked in the YRBS survey, 2017:

Q23. During the past 12 months, have you ever been bullied on school property?

A. Yes

B. No

Variable label: Bullying at school

QN23: Numerator: Students who answered A for Q23

Denominator: Students who answered A or B for Q23

Summary text: Percentage of students who were bullied on school property (ever during the 12 months

before the survey)

Variable label: Were bullied on school property

Q24. During the past 12 months, have you ever been electronically bullied? (Count being bullied through texting,

Instagram, Facebook, or other social media.)

A. Yes

B. No

Variable label: Electronic bullying

QN24: Numerator: Students who answered A for Q24

Denominator: Students who answered A or B for Q24

Summary text: Percentage of students who were electronically bullied (counting being bullied through

texting, Instagram, Facebook, or other social media, ever during the 12 months before

the survey)

Variable label: Were electronically bullied

Q25. During the past 12 months, did you ever feel so sad or hopeless almost every day for two weeks or more in a

row that you stopped doing some usual activities?

A. Yes

B. No

Variable label: Sad or hopeless

QN25: Numerator: Students who answered A for Q25

Denominator: Students who answered A or B for Q25

Summary text: Percentage of students who felt sad or hopeless (almost every day for >=2 weeks in a

row so that they stopped doing some usual activities, ever during the 12 months before

the survey)

Variable label: Felt sad or hopeless

Q26. During the past 12 months, did you ever seriously consider attempting suicide?

A. Yes

B. No

Variable label: Considered suicide

QN26: Numerator: Students who answered A for Q26

Denominator: Students who answered A or B for Q26

Summary text: Percentage of students who seriously considered attempting suicide (ever during the 12

months before the survey)

Variable label: Seriously considered attempting suicide

Q27. During the past 12 months, did you make a plan about how you would attempt suicide?

A. Yes

B. No

Variable label: Made a suicide plan

QN27: Numerator: Students who answered A for Q27

Denominator: Students who answered A or B for Q27

Summary text: Percentage of students who made a plan about how they would attempt suicide (during

the 12 months before the survey)

Variable label: Made a plan about how they would attempt suicide

Q28. During the past 12 months, how many times did you actually attempt suicide?

A. 0 times

B. 1 time

C. 2 or 3 times

D. 4 or 5 times

E. 6 or more times

Variable label: Attempted suicide

QN28: Numerator: Students who answered B, C, D, or E for Q28

Denominator: Students who answered A, B, C, D, or E for Q28

Summary text: Percentage of students who attempted suicide (one or more times during the 12 months

before the survey)

Variable label: Attempted suicide

Q62. During the past 3 months, with how many people did you have sexual intercourse?

A. I have never had sexual intercourse

B. I have had sexual intercourse, but not during the past 3 months

C. 1 person

D. 2 people

E. 3 people

F. 4 people

G. 5 people

H. 6 or more people

Q63. Did you drink alcohol or use drugs before you had sexual intercourse the last time?

A. I have never had sexual intercourse

B. Yes

C. No

Variable label: Alcohol/drugs and sex

Short response:

A. Never had sex

B. Yes

C. No

QN63\*: Numerator: Students who answered B for Q63

Denominator: Students who answered C, D, E, F, G, or H for Q62 and answered B or C for Q63

Summary text: Percentage of students who drank alcohol or used drugs before last sexual intercourse

(among students who were currently sexually active)

Variable label: Drank alcohol or used drugs before last sexual intercourse

Dependence: Depends on Q62

Q66. During your life, with whom have you had sexual contact?

A. I have never had sexual contact

B. Females

C. Males

D. Females and males

Variable label: Sex of sexual contacts

Short response:

A. Never had sexual contact

B. Females

C. Males

D. Females and males

Q67. Which of the following best describes you?

A. Heterosexual (straight)

B. Gay or lesbian

C. Bisexual

D. Not sure

Q27. During the past 12 months, did you make a plan about how you would attempt suicide?

A. Yes

B. No

Variable label: Made a suicide plan

QN27: Numerator: Students who answered A for Q27

Denominator: Students who answered A or B for Q27

Summary text: Percentage of students who made a plan about how they would attempt suicide (during

the 12 months before the survey)

Variable label: Made a plan about how they would attempt suicide

Q28. During the past 12 months, how many times did you actually attempt suicide?

A. 0 times

B. 1 time

C. 2 or 3 times

D. 4 or 5 times

E. 6 or more times

Variable label: Attempted suicide

QN28: Numerator: Students who answered B, C, D, or E for Q28

Denominator: Students who answered A, B, C, D, or E for Q28

Summary text: Percentage of students who attempted suicide (one or more times during the 12 months

before the survey)

Variable label: Attempted suicide