



## SCENARIOS FOR DISCUSSION

### Analyzing Data

#### SCENARIO 1

##### **Cisnormative Deficit Orientation to Analysis**

Amy is proposing an NSF grant, and they have an idea to center trans communities. They have a plan and are using a data set by and for trans people. They met with a program officer, and the program officer told Amy that they need a comparison group of cis-gender participants in order to have their analysis and results be meaningful. What should Amy do?

#### SCENARIO 2

##### **Queer Theoretical Framework for Analysis**

Rob is attending their dissertation proposal meeting. They have a sampling and analytic plan to interview BIPOC queer students, and have chosen a liberatory queer framework to center liberation. The committee members say this framework is not aligned enough with mainstream STEM education research, and asks them to use social cognitive theory. What should Rob do?

#### SCENARIO 3

##### **Pre Existing Data Sets**

Ash got awarded an industry contract to analyze involvement in leadership from an existing survey database, but once they have access to the database, they realize the survey incorrectly collected gender as binary, which is not only restrictive, but reflects biological sex, not gender identity. Should Ash proceed to fulfill their contractual obligations? If so, how could they move forward?

#### SCENARIO 4

##### **Limited Recruitment Success Results in Mismatch with Analysis Plan**

Binh is doing a study about belongingness in engineering for trans and nonbinary students, but after 3 rounds of outreach for recruitment, their only respondents are trans masculine people. Do they continue to recruit more students or just focus on the trans masculine students? Do they change the scope of their question and theoretical framing, and then change the theoretical approach in their analysis?



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