From Data and Categories to a More Diverse Physics Education

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1
ABOUT ME

• International student from Istanbul, Turkey
• Studied at UWC Mostar in Bosnia and Herzegovina
• Physics and Computer Science
• Passionate about increasing the presence of women’s and diversity groups
  • Bowdoin Women in Physics
  • Girls Who Code
  • International Student Association
DATA

1. Making a decision between the IPEDS and the NSF database
2. Updating the Überspreadsheet with the 2019 data
3. Updating the How Does Your Institution Compare webpage with the 2018-19 data
4. Updating the Top Educators Lists with the 2019 data
CATEGORIES

Race and Ethnicity:
- White
- Black or African American
- American Indian or Alaska Native
- Asian
- Native Hawaiian or Other Pacific Islander
- Hispanic or Latino
- Two or More Races
- Race/Ethnicity Unknown
- Nonresident Alien

Gender:
- Female
- Male
FOR THIS, WE HAD TO MAKE A FEW CHANGES:

• Switched to the NSF database from IPEDS

• Wrote out full and correct demographics titles in the Überspreadsheet

• The inclusion of ‘Two or More Races’ category to underrepresented minorities (URM)

• 3-year reporting period for the Top Educators Lists instead of a longer one

• Addition of URM Women to the Top Educators Lists

LOTS OF DOCUMENTATION!
RESULTS

• The inclusion of ‘Two or more races’ in the URM numbers did not make a considerable difference

• Some Top Educators Lists are either non-existent or very short
  • Women’s, URM, and URM Women’s tables

• The NSF data does not include second degrees which made a big difference for some institutions
THANK YOU!

QUESTIONS OR COMMENTS?