

INCORPORATING STUDENT CHOICE INTO PROJECTS AND NAVIGATING ASSESSMENT

*Panel: Reimagining Student Projects
Innovations in Teaching and Learning Conference 2020*

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There are ways to provide individualized options within assignments: standalone

Develop a research question and design a study based on one exposure and one outcome in this table using the PICO/PECO format, with considerations for the FINER guidelines.

Possible exposures (select one)	Possible outcomes (select one)
Binge drinking	COVID19
Environmental tobacco exposure	Stroke
Extreme heat	Migraines
Footwear	Premature birth
Gun ownership	Hypertension
High sodium diet	Lung cancer
Lack of sleep	Unintentional falls
Noise pollution	Stress
Shift work	Suicide
Social distancing	Seasonal influenza
Yoga practice	Obesity

There are ways to provide individualized options within assignments: scaffolding across assignments



Develop a survey question for a larger survey that includes core questions

Use responses for their question as part of data analysis

Present data visualization and results for their survey question

There are
benefits and
challenges to
individualized
options

Challenges

- Feedback and grading needs to also be individualization
- There needs to be more support available

Benefits

- Increased engagement
- Encourages creativity
- Provides broader perspectives for the class

There are some questions to ask yourself about individualizing assignments

- Is it appropriate?
- Is it helpful?
- Is the return on investment worth it?

How can you reach me if you have questions or want to chat?

<https://chhs.gmu.edu/profile/view/6676>

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Biography

Dr. Frankenfeld is an epidemiologist whose research focuses on understanding the influence on complex exposures on health. She applies advanced quantitative methods to research questions in the areas of nutrition (public health nutrition, microbiome, phytoestrogens), environmental health (chemical exposure), and social determinants of health (residential segregation, spatial factors), with applications across different diseases and health conditions. She teaches courses in epidemiologic methods and biostatistics, and has developed courses across multiple platforms in-class and on-line. Dr. Frankenfeld also applies her epidemiology and biostatistics skills to understand trends in career skills needed for epidemiologists in order to inform her teaching. She currently serves on the Editorial Board of the *Journal of Nutrition* and is an Associate Editor for the *Annals of Epidemiology*.

[Less](#)

Degrees

PhD, Epidemiology, University of Washington (2003)

MS, Nutritional Sciences, University of Arizona (2000)

BS, Food and Nutrition Sciences (Minor: Chemistry) with Honors, Northern Arizona University (1996)

Personal Websites:

- [ORCID](#)
- [ResearchGate](#)

Topics: [Epidemiology](#), [Biostatistics](#), [Nutrition](#), [Health Disparities](#), [Microbiome](#)