

## Plan Overview

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*A Data Management Plan created using DMPTool*

**Title:** Kitchen Inventory

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**Funder:** Judith Currano

**Funding opportunity number:** 12345678

**Template:** Arctic Data Center: NSF Polar Programs

**Project abstract:**

The goal of this research is to perform a thorough inventory of non-perishable food items in the kitchens of first-year Penn Chemistry graduate students in the organic division. The goal is to compile comprehensive data on every food item in order to enable prompt replacement and identify overall patterns in students' food purchases. Food items' expiration dates are noted as part of the data gathering procedure to guarantee their usefulness and freshness. Furthermore, basic demographic data on the food item owners will be collected in order to examine any relationships between particular food preferences and demographic traits. This study will provide information on broader consumption habits across the student body and offer insights into potential links between age, food preferences, and academic interests.

**Start date:** 04-11-2024

**End date:** 05-08-2024

**Last modified:** 04-29-2024

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## Kitchen Inventory

This project will have an equal distribution of data management amongst four individuals: (1) Yaning Liu (2) Myaisha Lucas (3) Yu Wu and (4) Mitchell Zembower.

During this project, 10 food items will be recorded from 4 individuals. Pictures will be taken of the container itself, including the brand, size, and nutrition label. From the label, we are recording the protein, carbs, and sodium.

There will be 40 pictures (10 from each individual) with data files ranging from 50 KB to 6 MB.

The picture will include the location, time, and phone model. The picture was taken with the individual's phone.

The local and traditional knowledge data will be collected at each member's place of residence, by taking photographs of each food item documented in the data set. These images can consist of the label, expiration date, the Nutrition facts panel and/or the amount of product within the designated container. All of this information was then input into CSV files according to the required categories (i.e. grams of protein, food name etc. )

During the course of the project, data files will be stored in a shared LabArchives notebook. The data will initial be stored in Google Sheets files and transferred to CSV files.

The pictures taken by each member contain metadata that reveals personal information about each individuals who took photos. No further work will be done as each of the individuals metadata revealed are each apart of the same research group.

The data will be released within three weeks of data collection.

1. The group reviewing our work will be interested in this data, as well as our instructor.
2. People in our group as well as the group reviewing our work will be interested in this data, as well as our instructor.
1. The members in the group will be allowed to use the data as well as the instructor and the group reviewing our work.
2. Others will be able to use the data to answer the scavenger hunt given.
3. No, others can not spread this data.

The data manager will follow the NSF Arctic Data Center guidelines to provide accurate and complete documentation for data preservation. The NSF Arctic Data Center will ensure that the data are curated in a relevant long-term archive and ensure data will be available after project funding has ended.

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## Planned Research Outputs

### Interactive resource - "Kitchen Inventory - Group 2 "

The LabArchives notebook will contain a dataset along with images of each member's kitchen inventory.

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### Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Kitchen Inventory - Group 2	Interactive resource	2024-04-28	Open	None specified		None specified	None specified	Yes	Yes