

## Plan Overview

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*A Data Management Plan created using DMP Tool*

**Title:** Kitchen Inventory

**Creator:** Myaisha Lucas

**Affiliation:** University of Pennsylvania (upenn.edu)

**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:** 07-08-2024

### **Copyright information:**

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## **Kitchen Inventory**

### **Roles and responsibilities**

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- 1. What parties and individuals will be involved with data management in this project?**
- 2. What will be the roles and responsibilities of each party and or individual with respect to management of the data?**
- 3. Who will be the lead or primary person responsible for ultimately ensuring compliance with the Data Management Plan?**

**Note: if you plan to submit data to the Arctic Data Center please refer to the guidance in the panel on the right.**

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.

### **Types of data produced**

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**What types of data, samples, collections, software, materials, etc. will be produced during your project?**

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.

**What will be the approximate number and size of data files that will be produced during your project?**

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

**What type of metadata (information others might need to use your data) will be collected during your project?**

**Note: if you plan to submit data to the Arctic Data Center please refer to the guidance in the panel on the right.**

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

### **Data and metadata formats**

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**What format(s) will data and metadata be collected, processed, and stored in?**

**Note: if you plan to submit data to the Arctic Data Center please refer to the guidance in the panel on the right.**

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. )

## **Policies for access and sharing**

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### **How will data be accessed and shared during the course of the project?**

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

### **Will any of the data and/or related materials produced need provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements? If so describe them and detail any requested exceptions from the archiving requirements set for Arctic Sciences research.**

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

### **When is the approximate release date of the data products?**

**Note: Arctic Observing Network (AON) data must be deposited in a long-lived and publicly accessible archive within 6 months of collection, and Arctic Social Science Program (ASSP) research data must be deposited in a long-lived and publicly accessible archive within 5 years of the award date assuming no exceptions to the archiving requirements are requested.**

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

## **Policies for re-use and re-distribution**

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### **How do you anticipate the data for this project will be used? Consider the following:**

- 1. Which bodies/groups are likely to be interested in the data?**
- 2. What and who are the intended or foreseeable uses/users of the data?**

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.

### **Will any permission restrictions need to be placed on the data? Consider the following:**

- 1. Who will be allowed to use the data?**
- 2. How will others be allowed to use the data?**
- 3. Will others be allowed to disseminate the data.**

**Note: If you are planning on restricting access, use, or dissemination of the data, you must explain in this section how you will codify and communicate these restrictions.**

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.

## **Plans for archiving and preservation**

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### **What is the long-term strategy for maintaining, curating, and archiving the data?**

**Note: The Office of Polar Programs policy requires that metadata files, full data sets, and derived data products be deposited in a long-lived and publicly accessible archive.**

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