**Title of the project**

<insert a visualization created by the team here.>

**Team name**

| **Name (full name)** | **Purdue Email address** |
| --- | --- |
| Megan Jacobs | jacob143@purdue.edu |
| Henry Hutcheson | hhutches@purdue.edu |
| Grace Supancik | gsupanci@purdue.edu |
| Josh Kistler | jkistle@purdue.edu |
| Kassandra Lopez | klopezca@purdue.edu |

Remove the highlighted text before submitting:

* The paper should be free of grammatical and spelling errors (use spell and grammar check)  Times New Roman, font size 11, 1-inch margin, single spaced.
* If you cite any literature, include a References Section at the end of this document.

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Visualizing Your Data - Hackathon Report

Introduction

Food deserts and insecurities are an incredibly pressing concern, especially in the United States, in which 5.6 percent of the total population resides in a food desert. A food desert, as defined by the United States Department of Agriculture (USDA), is any region that lacks accessibility to sources of healthy food, either due to distance to the nearest grocery store or simply the number of stores in any given area (citation). There are a multitude of factors that play a role in this determination, including the, “Individual-level resources that may affect accessibility, such as family income or vehicle availability, and neighborhood-level indicators of resources, such as the average income of the neighborhood and the availability of public transportation” (Citation).

## Background

The dataset we chose to pursue for the Hackathon was food deserts and insecurities. Purdue University was classified as a food desert back in 2010 and remained that way until the Target on State Street opened its doors only last year. Since this problem has affected Purdue students so personally, our team thought this would be an amazing opportunity to educate our peers about food insecurities. We chose to focus on food deserts located in the state of Indiana, and acquired a dataset provided by the United States Department of Agriculture (USDA) that gave statistics related to the total low access population in each Indiana county, as well as the contributing factors to food insecurities, including median income of the area, vehicle availability, and poverty rate.

In this section provide background about the data – what dataset did the team choose and why? What additional data was acquired by the team? Why? Explain.

## Questions

What is the question(s) the team has chosen to address? Who is your audience? – What problem are you trying to solve or address? What’s been done before?

## Problem Statement

How has the data been visualized before? Significance (why should anyone care)? – why is the team’s work important?

Methodology

Acquire

Parse

Mine

Filter

Represent

Critique

Repeat

What did the team do? Show your process, include sketches

## Results

Choose one of your team’s “BEST” visualizations and insert it here. This visualization should be the best representation of the team’s effort. Provide a figure caption. This section should only contain the visualization and the figure caption.

## Discussion and Conclusion

Discuss your results (the figure in the Results section). Do your visualizations address the problem stated in the Problem Statement Section? Explain.

References

If references are listed, make sure they are cited in the body of the document.

## Appendix A – Resources Used

Datasets

List the name of the data set provided and a description of the additional data set acquired.

### Tools used

List all tools used in the project and a brief description (see the examples below); add more if applicable.

| **Tool/Application** | **Description** |
| --- | --- |
| Excel | Data cleaning |
| Tableau | Data visualization |
| HTML | Web development |

## Appendix B

### Group Contributions

In this section list the tasks that were completed by all team members for example: contributed to the data visualization process, brain stormed topic ideas, served as rotating team leader, contributed content to the short story (summary), contributed content to the 5-minute video, reading the final deliverable before submission, <add more if appropriate>

### Individual Contributions

In the table below list each team member’s full name, their contribution (body of work) and their % of the work completed. The total must add up to 100%

| **Team Member** | **Description** | **Contribution** |
| --- | --- | --- |
| *Megan Jacobs* |  | *20%* |
| *Henry Hutcheson* |  | *20%* |
| *Josh Kistler* |  | *20%* |
| *Grace Supancik* |  | *20%* |
| *Kassandra Lopez* |  | *20%* |

Total 100%

Revised 11/14/21 version 3.0 5

# Appendix C – Individual Contributions

In this appendix each team member must contribute a one-page document relating the team’s topic/data to their hometown or home country. The one-page document must contain: (1) a description of the problem, (2) a comparison of the team’s findings with insights about your hometown/country related to the hackathon data (3) a visualization to support items (1) and (2).

Each person should create their individual page and make it available to the designated team member who will upload the final document.

This will be viewed and assessed as part of each person’s individual contribution.

Leave this page as is.

Start adding individual page content on the next page.

REMOVE any blank pages before submitting.

Team Member #1: Megan Jacobs

My Hometown/City/Country: Shelby Township, Michigan

Hackathon Topic (dataset): Food Deserts & Food Insecurities

Include your story and visualization below.

Team Member #2: Henry Hutcheson

My Hometown/City/Country:

Include your story and visualization below.

Team Member #3: Josh Kistler

My Hometown/City/Country:

Hackathon Topic (dataset):

Include your story and visualization below.

Team Member #4: Grace Supancik

My Hometown/City/Country: Fishers, Indiana

Hackathon Topic (dataset):

Include your story and visualization below.

Team Member #5: Kassandra Lopez

My Hometown/City/Country: Frankfort, IN Hackathon Topic (dataset):

Include your story and visualization below.

:

# Appendix C – Team Consensus

Team Consensus

I have read and approved of the content as a representation of the team’s work and my contribution.

| Team Member (full name) | Signature | Date |
| --- | --- | --- |
| Megan Jacobs |  |  |
| Henry Hutcheson |  |  |
| Josh Kistler |  |  |
| Grace Supancik |  |  |
| Kassandra Lopez |  |  |