Title of the project

<insert the Team’s BEST visualization here.>

**Team name**

|  |  |
| --- | --- |
| **Name (full name)** | **Purdue Email address** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Project URL:** <replace this text with the URL to the project’s web page>

Remove the highlighted text before submitting:

* The final report 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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Title of Project

# Introduction

In this section, Introduce your topic.

# Background

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

Significance (why should anyone care)? – why is the team’s work important? What will the team do differently?

# Methodology

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

# Results

Choose one of your team’s “BEST” visualization and insert it here. This visualization should be the best representation of the team’s effort. Provide a figure caption. If the team would like to include additional visualizations, add them to this section. Make sure each visualization has a figure caption AND includes the name of the person who created the visualization. Also make sure the appropriate page layout (portrait or landscape) is used as well as the appropriate chart type and layout (see best practices for visualization data and data visualization checklist).

# Discussion (What’s the story?) and Conclusion

Discuss your results (the figures in the Results section). Do your visualizations address the problem stated in the Problem Statement Section? Explain. What insights did the team uncover? What recommendations can be made based on these insights?

# References

If references are listed, make sure they are cited in the body of the document. See Purdue Online Writing Lab for how to cite and list full citations. Improperly cited work will be treated as plagiarism and handled accordingly.

# Appendix A – Resources Used

## Datasets

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

Datasets must be available on the project web page.

All data must be accessible to the public. No paid data sources allowed.

## Tools used

List all tools used in the project and a brief description (see the *examples* below); update accordingly.

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

# Appendix B – Project Web Page

The project web page will be an extension of the final report. You will be allowed to add content to the project web page up to last day of classes. The project web page should contain *(at a minimum)* the following sections:

About The team

List each team member, provide a short bio (150 words or less) for each team member, Provide photo (headshot only) dress appropriately.

The Hackathon Challenge

Describe the team’s focus/goal related to the challenge, Who’s the audience? What assumptions are made?

Methodology

Describe the team’s data visualization workflow and process.

Deliverables

5-minute video (1 pt deduction for each minute over if over 5:00:00 minutes), Hackathon Report, Team agreement (signed by all team members)

Results

This the team’s time to shine! Visualizations created by the team that support the team’s solution to the challenge, Visualizations must be relevant to the question(s) the team is answering in regards to the visualization challenge.

Conclusions

What insights are presented? What recommendations did the team make?

# Appendix C – Percent Contribution

## 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

The Table 1 shows an example of what a team contributions table might look like.

Table 1 Example Team Contribution Table.

|  |  |  |
| --- | --- | --- |
| **Team Member** | **Contribution** | **Contribution** |
| *Example Team Member 1* | *Developed the project web page, acquired additional data for the project* | *25%* |
| *Example Team Member 2* | *Responsible for gathering written contributions from the team and combining them into a cohesive story, data wrangling (parsing, filtering) ,* | *20%* |
| *Example Team Member 3* | *Videographer for the 5-minute video (recording and editing)* | *15%* |
| *Example Team Member 4* | *Creating visualizations of the data, revising and refining* | *40%* |
|  | Total | 100% |

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** | **Contribution** | **Contribution** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  | Total contributions must equal 100% | 100% |

# Appendix D – Individual Contributions

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

Each person should create their individual page **(1-page only)** 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: <replace this text with Team Member’s full name>

Group Topic: <list the group’s topic>

Your Topic/Question: <list Team Member 1’s complementary topic>

Describe the diversity YOU bring to the group (150 words or less):

Include your story and visualization below (**do not go over one page**). Single spaced, 11-pt font, Times New Roman.

## Team Member #2: <replace this text with Team Member’s full name>

Group Topic: <list the group’s topic>

Your Topic/Question: <list Team Member 2’s complementary topic>

Describe the diversity YOU bring to the group (150 words or less):

Include your story and visualization below (**do not go over one page**). Single spaced, 11-pt font, Times New Roman.

## Team Member #3: <replace this text with Team Member’s full name>

Group Topic: <list the group’s topic>

Your Topic/Question: <list Team Member 3’s complementary topic>

Describe the diversity YOU bring to the group (150 words or less):

Include your story and visualization below (**do not go over one page**). Single spaced, 11-pt font, Times New Roman.

## Team Member #4: <remove this page if the team has less than 4 members>

Group Topic: <list the group’s topic>

Your Topic/Question: <list Team Member 4’s complementary topic>

Describe the diversity YOU bring to the group (150 words or less):

Include your story and visualization below (**do not go over one page**). Single spaced, 11-pt font, Times New Roman.

# Appendix E - Diversity Statement

Some of the most enlightening outcomes are generated by diverse teams working together to solve complex problems. What does diversity mean and why is it important? Merriam-Webster defines [diversity](https://www.merriam-webster.com/dictionary/diversity) as: 1) the quality or state of having many different forms, types, ideas, etc., 2) the state of having people who are different races or who have different cultures in a group or organization. When solving complex problems having adequate representation is important. In the context of the hackathon, diversity could mean (but is not limited to): varied perspectives, varied points of view, different academic majors represented, different academic levels (Freshmen, Sophomore, Junior, Seniors) on the team, different ethnicities (state this professionally). Having a diverse team from different backgrounds can boot engagement and productivity and make us smarter (read short article: “How diversity actually makes us smarter”).

A Made-up Diversity Statement (**DO NOT copy and/or paste this example as your own**).

REMOVE the highlighted text before submitting.

*Team Such-In-Such has a multi-disciplinary makeup of members majoring computer science (Chande Lear, Garth Field), engineering (Max A. Mellon, Chris Stover) and liberal arts (Apo Strophe, Calli Graphy). Although most of the team members are graduating seniors the team is represented at all levels of academic status (freshmen, sophomores juniors and seniors). The team is diversely represented in terms ethnicity and backgrounds: two members are from the United States; Chande Lear is originally from France, but has lived in the United States for several years, shared with the group their knowledge of census data related to their home town. Max A Mellon volunteers at a local food pantry on the weekends and shared with the group how people living in food deserts in neighboring cities and counties drive for miles to the pantry for fresh fruits and vegetables donated by local farmers. Calli Graphy participated in an undergraduate research experience this summer looking at opioid related data. Apo Strophe completed an internship at SomeCompany for the summer and brings the skills learned to the group. All team members bring unique life experiences to the team. The team worked extremely well together, brainstorming ideas and recommending content from different perspectives to build outcomes that were contributed to by all.*

In the space below, provide a statement describing the group’s diverse make up and how the diversity of the group contributed to the outcomes of the team’s deliverables for the hackathon. Every team member must contribute to the development of the diversity statement.

# Appendix F – Team Consensus

## Team Consensus

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| Print Team Member Full Name |  | Signature |  | Date |
|  |  |  |  |  |
| Print Team Member Full Name |  | Signature |  | Date |
|  |  |  |  |  |
| Print Team Member Full Name |  | Signature |  | Date |
|  |  |  |  |  |
| Print Team Member Full Name |  | Signature |  | Date |

Save this document as:

**HackathonTeamName\_CGT270Spring2022\_FinalReport.pdf**