TNM098 - Planning Report

• Who is in the group?

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• Which data?

VAST Challenge 2: Patterns of life 2022

 "About 1000 representative residents in this modest-sized city have agreed to provide data using the city's urban planning app, which records the places they visit, their spending, and their purchases, among other things."

• Which questions will you focus on?

1.

Assuming the volunteers are representative of the city's population, characterize the distinct areas of the city that you identify. For each area you identify, provide your rationale and supporting data. Limit your response to 10 images and 500 words.

2.

Where are the busiest areas in Engagement? Are there traffic bottlenecks that should be addressed? Explain your rationale. Limit your response to 10 images and 500 words.

3.

Participants have given permission to have their daily routines captured. Choose two different participants with different routines and describe their daily patterns, with supporting evidence. Limit your response to 10 images and 500 words.

4.

Over the span of the dataset, how do patterns change in the city? Describe up to 10 significant changes, with supporting evidence. Limit your response to 10 images and 500 words.

• Preliminary overview of analysis approach you plan to take

1.

Map location points on the map to detect the most distinct areas. Use different visualization techniques to identify, like changing the opacity, and use different colors for different attributes.

2.

Map the volunteers' paths throughout the city and draw their paths using the travel journal data to be able to view the busiest streets and locate bottlenecks.

3.

Map out the paths 2 participants take through the city, with the help of various data, like time and location to better understand why and what the participants are doing for one day.

4.

Implement some kind of temporal visualization, like a timeline slider or a 3d space time cube.