SMART questions for Food deserted in US dataset :

\*\*Specific\*\*:

1. \*\*What is the geographic distribution of food deserts in the dataset by state and county?\*\*

- How many unique states and counties are represented in the dataset?

- What is the total number of census tracts included?

2. \*\*How does urban vs. rural classification (Urban) affect the prevalence of food deserts?\*\*

- What percentage of census tracts are classified as urban vs. rural?

- Are food deserts more common in urban or rural areas?

3. \*\*What are the characteristics of areas with a high percentage of group quarters (GroupQuartersFlag)?\*\*

- How many census tracts have a high percentage of group quarters?

- Is there a correlation between the percentage of group quarters and the prevalence of food deserts?

4. \*\*What is the relationship between poverty rates (PovertyRate) and the presence of food deserts in different regions (State/County)?\*\*

- Are there states/counties with higher poverty rates that also have a higher prevalence of food deserts?

- Is there a correlation between poverty rates and food desert status?

\*\*Measurable\*\*:

5. \*\*Can we measure the impact of vehicle availability (LILATracts\_Vehicle) on food desert designation?\*\*

- What percentage of food deserts have limited access to vehicles?

- Is there a significant difference in the prevalence of food deserts in areas with and without vehicle access issues?

6. \*\*How do income-related variables (MedianFamilyIncome, LowIncomeTracts) relate to food deserts?\*\*

- What is the median family income in food desert areas compared to non-food desert areas?

- What percentage of food deserts are classified as low-income tracts?

7. \*\*Can we quantify the extent of low access areas (e.g., LILATracts\_1And10, LILATracts\_1And20) in the dataset?\*\*

- What percentage of census tracts fall into different categories of low access areas?

- Are there patterns in the prevalence of food deserts in these categories?

\*\*Achievable\*\*:

8. \*\*Can we identify actionable insights for policymakers and community organizations to address food deserts?\*\*

- Are there specific areas with a high prevalence of food deserts that require targeted interventions?

- What factors are strongly associated with the presence of food deserts and can be addressed to alleviate the issue?

\*\*Relevant\*\*:

9. \*\*How do food deserts impact different demographic groups (e.g., racial and ethnic populations, age groups)?\*\*

- Are there disparities in food desert prevalence among different racial or ethnic groups?

- How does the presence of food deserts affect children (TractKids) and seniors (TractSeniors) in the population?

\*\*Time-bound\*\*:

10. \*\*Have there been changes in the prevalence of food deserts over time, and if so, what are the trends?\*\*

- Can we analyze changes in food desert prevalence between 2010 and the present (if applicable)?

- Have there been notable shifts in food desert status over recent years?