

## Appendix F.9. Advance Material for Second Concept Mapping Meeting

### Data Visualization Resulting From the Group Concept-Mapping Activities With Stakeholders: Policy Priorities to Influence Food Security in Puerto Rico

Thank you for the time and effort you have put into concept mapping around policies and practices that can influence food security in Puerto Rico. This report includes a series of data visualizations that are the result of the brainstorming, sorting, and rating activities. Please review this information before the next stakeholder meeting scheduled for [INSERT DATE] and be prepared to provide feedback on these results.

During the meeting, you will be asked to participate in discussions on the following questions:

1. Do the clusters represent a complete picture of the food security landscape in Puerto Rico? What did we get right? What did we miss?
2. When looking at the cluster maps and thinking about the relationship (i.e., distance between) clusters, are there any surprises or relationships you did not expect to see?
3. When you look at the statements in the Go-Zone, are you aware of any that are currently being discussed or piloted?
4. When you compare the Go-Zone maps of different groups, are there clear differences that stand out that we should be aware of?
5. What similarities and differences do you see in how different groups of stakeholders have sorted the policy and administrative recommendations?
6. Based on all the information presented, what would be your recommendations for policy, systems, or environmental changes?

**Statements and clusters.** Table 1 presents a summary of the statements used in the multidimensional scaling and data analysis step. A total of 186 statements were generated during the brainstorming period. All statements were reviewed by the research team, and a set of 120 statements was produced through (1) reduction of repeated ideas and (2) parsing of multiple idea statements (e.g., the statement “increase funding and hire more staff” would be parsed into two statements, “increase funding” and “hire more staff”). In addition to the statements, table 1 indicates the cluster the statement is nested in and the statement’s mean rating on potential impact and implementation feasibility.

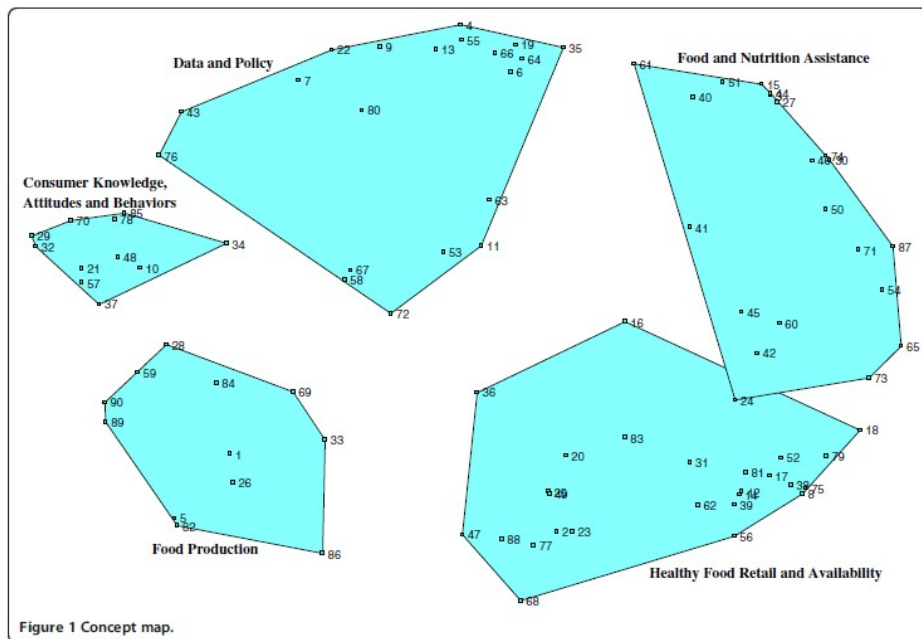
**Table 1. Statement, Clusters, and Mean Ratings**

Statement Number	Statement/Idea	Cluster	Potential Impact	Implementation Feasibility
1	Increase food access in rural communities	Access	2.37	1.21
2	Augment administrative funding	Program Administration	2.06	4.99
3	Teach food storage/preservation	Education	3.56	4.37
4	Encourage development of supermarkets	Access	4.27	4.58
5	Tie housing security to food security	Federal Policy	2.33	3.61

Statement Number	Statement/Idea	Cluster	Potential Impact	Implementation Feasibility
6	Work with local nonprofits to develop double-buck programs for fruits and vegetables	Local NGOs	1.27	3.67
7	Fund SNAP-Ed type programs	Education	1.21	4.11
8	Establish new methods for determining monthly benefits	Federal Policy	4.37	1.24
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113	Revise eligibility requirements	Federal Policy	4.18	3.11
114	Work with local retailers to increase healthy options	Healthy Retail	2.93	2.72
115	Provide culturally tailored nutrition education	Education	3.59	2.86
116	Conduct expanded outreach and notification	Communication	1.38	4.74
117	Create separate disaster relief program	Federal Policy	4.76	4.25
118	Provide additional training to program staff	Program Administration	4.25	1.45
119	Develop new methods of communicating with benefit recipients	Communication	1.45	3.12
120	Shift NAP to an entitlement program	Federal Policy	3.12	3.17

**Cluster maps.** Figure 1 presents a cluster map with data points indicating the statements nested within each cluster. The cluster map in figure 1 represents a five-cluster solution. The cluster map is created through a multidimensional scaling analysis that uses the sorting data provided by stakeholder participants to generate groups based on common patterns of similarity.

**Figure 1. Example of a Cluster Map: Five-Cluster Solution**





The following text is an example of how the cluster results would be described to the stakeholders:

*Figure 2 shows the Go-Zone chart for all statements. It is noteworthy that, as shown visually by the chart, most statements had similar rankings for both potential impact and feasibility. There were some exceptions to this trend; for example, the idea of a streamlined application process and eligibility rules for NAP (statement 15) was rated higher for potential impact than for implementation feasibility, and understanding the determinants of food insecurity (statement 6) was rated higher for feasibility than for potential impact. The statements that were ranked among the lowest for both potential impact and feasibility addressed more individual characteristics of rural residents, such as their travel patterns (statement 68) or social standing (statement 21), and social-political factors in rural areas, such as traditional land use patterns (statement 84), outmigration from rural areas (statement 59), and access to political decision making (statement 4).*

#### **Public Burden Statement**

*This information is being collected to assist the Food and Nutrition Service (FNS) in understanding food security status and economic well-being among Puerto Rico residents. This is a voluntary collection. FNS will use the information as a baseline for future assessments of food security and the Nutrition Assistance Program, particularly in the context of natural disasters. This collection does not request personally identifiable information under the Privacy Act of 1974. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0584-XXXX. The time required to complete this information collection is estimated to average 75 minutes per response, including the time for reviewing instructions and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: U.S. Department of Agriculture, Food and Nutrition Service, Office of Policy Support, 1320 Braddock Place, Alexandria, VA 22314. ATTN: PRA (0584-XXXX). Do not return the completed form to this address.*