

# **Sherman Elementary School Garden**

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## **Slow Foods Urban San Diego / School Garden Introduction**

### **Slow Foods Urban San Diego Background**

#### Mission Statement

“Slow Food Urban San Diego seeks to create connections and strengthen community around issues of critical importance - including environment, health, culture, and equity - to San Diego’s food system. Through educational programming, community outreach, awareness campaigns, and social gatherings, we unify food growers, harvesters, fishermen, makers, eaters and drinkers around a shared vision of a good, clean and fair food system for all San Diegans.” Slow Food Urban San Diego started in 2012. Since then, they have focused on the environment and community of San Diego. They focus on the idea of a better food system that benefits everyone. They also express this idea of having different programs to involve the community, which includes: school gardens, farmers markets, and chipotle resources. These programs are volunteer-based, and education based, i.e. - combining education into the programs.

#### Problem Statement

Slow Food Urban San Diego wants to unite harvesters, food growers, and fishermen. These communities include those who produce and profit from food. By uniting these different communities, it can strengthen the food system in San Diego. Fishermen work along the coast and harvesters usually work in the inland part of the county. They want to have a positive impact on the quality of food. Slow Food provides farmer markets’ awareness campaigns, as well as social gatherings that are based on both harvesters and fishermen. With stimulating hands-on activities, lower grade students build connections between healthy gardens and healthy bodies. In the school garden, they participate in cultivating and tasting wholesome fruits and vegetables. They learn about and then consume different kinds of plant parts. Activities such as “Eating the Alphabet” and “Eating the Rainbow” expose students to new flavors and improve preference for fruits and vegetables

#### Participants and Community

Reviewing who Slow Food Urban helps, they wish to impact the whole population of San Diego County. They conduct outreach to schools and local communities that don’t have easy access to food. They also serve the workers in the food industry, which makes up of 10,403,824 citizens in the county, according to U.S. Census Bureau (U.S Census Bureau, 2018). In Sherman Elementary, Christina wants to influence students of a healthier and fun lifestyle. She wants to provide healthier food that the students can help grow themselves. According to

Christina, Sherman Elementary consists of a student population with higher percentage of hispanics. She explained that in present day students don't pay attention on what they eat and don't focus on a healthier lifestyle. She wants to provide information that can help them achieve a healthy lifestyle.

### Programming

Slow Food Urban's organizations consist of different volunteering opportunities and their annual event of the Good Food Community Fair. This community fair is about bringing together a community that wants a better food system. It consists of different activities, for example, panel discussions, gardening, and culinary activities. Besides the community fair, some other organizations are volunteering at schools and local communities and help with donations. And there purpose is to empower and influence for families, schools, and the whole community to be healthier and better.

By optimizing the learning power of the garden, we inspire healthy eating practices by increasing exposure to—and appreciation of—fruits and vegetables.

### Board of Directors

Kathryn Rogers: Co-Chair

She is the founder of Vivacious Dish, and provides private chef services for those you want to learn about healthier food. She helps influence other with Slow Food's mission.

Lisa Joy: Co-Chair

Lisa works with local growers and community members to find successful markets in California. She is Acting Director of Dining Services at UC San Diego Housing, Dining and Hospitality.

Stephanie Parker: Securtairy

Stephanie is the founder of Epicurean San Diego. Her company specializes in culinary tours, agritourism and events. She provides information about local artisanal food, beverage and agricultural scene through behind the scenes tours, education and tastings.

Darcy Shiber Knowles: Treasurer

Darcy runs Operations Services and Innovation for Dr. Bronner's, the organic and fair trade body care and food company based in Vista.

Julie Diaz: Education Chair

She provides information and teaches everyone about local and sustainable food in San Diego.

Rachel Hommel: Communications Chair

She's the current Communications Coordinator at UC San Diego's School of Global Policy and Strategy. She has also helped find the Gaucho Certified Farmers Market on campus.

Jennifer Ikoma: Membership coordinator

As a California native, Jennifer was brought up with the basic principles of Slow Food. She has been volunteering for many years with Slow Food Urban San Diego and most recently she served as the Education Committee Vice Chair.

Tom Kiely: Slow Beer Chair

He handles sales and logistics for Thorn Brewing Company. Outside of beer, Tom Chairs the Supervisory Committee at Point Loma Credit Union.

Nathan Lou: Food Justice Co-Chair

Nathan is a 2nd generation San Diego native with a keen appreciation for the rich biodiversity and cultural beauty the county has to offer.

Dan Mueller: Food Justice Co-Chair

Dan works with food access and policy coalitions has allowed her to expand upon and put this theory into practice as she's developed programming around agricultural and environmental education as well as health and wellness programming.

Michelle Poliner: Good Food Community Fair Chair

Michelle now works for the Leichtag Foundation, where she executes events and programs that support food justice, Beyond Sustainable farming, social entrepreneurship, and self-sufficiency. Michelle successfully led the production of the 2017 Good Food Community Fair.

Colin H Richard: Ark Of Taste Chair

Colin is thrilled to join the Slow Food Urban San Diego Board as Ark of Taste Chair, a position that supports an international catalogue of endangered heritage foods which is maintained by the global Slow Food movement. The Ark is designed to preserve at-risk foods that are sustainably produced, unique in taste, and part of a distinct ecoregion.

Sarah Shoffler: Seafood Liaison

Sarah teaches a Sustainable Seafood class at UCSD Scripps Institution of Oceanography, is on the Slow Fish Pacific Region board, and is the seafood liaison to Slow Food California. She aims to bring good, clean and fair seafood to all San Diegans.

### Why is this important?

Our work is important because we will be volunteering with both Slow Food Urban and Sherman Elementary to help Christina Abuelo, School Garden Manager, with the school garden to measure the impact that influences the students. We will also provide insight into quality food in San Diego.

## **Correlation between the National School Lunch and Breakfast Program Data Analysis**

### **Data Analysis**

List why the data were collected (note: agency or organization typically lists a reason for data collection on the website).

The United States Department of Agriculture Economic Research Service assembled statistics on food environment indicators to stimulate research on the determinants of food choices and diet quality, and to provide a spatial overview of a community's ability to access healthy food and its success in doing so.

List variables included in the dataset.

- State
- County
- Concatenate
- Women, Infants, and Children (WIC) participants FY 2009-14
- National School Lunch Program participants FY 2009-14
- School Breakfast Program participants FY 2009-14
- Child and Adult Care participants FY 2009-14
- Summer Food participants FY 2009-14
- State Population, 2008-14

List how data were collected and during what year.

They got support from a wide diversity of different organizations in order to produce this dataset. They received support from the following organizations with specific focuses below:

- The Centers for Disease Control and Prevention
  - Provided statistics on obesity, diabetes, and physical activity
- U.S. Census Bureau
  - Provided indicators on recreation centers in County Business Patterns: ie.- annual series that provide economic profiles for counties and states in the U.S.
- USDA's Agricultural Marketing Service
  - Provided indicators on farmers' markets
- USDA's Food and Nutrition Service

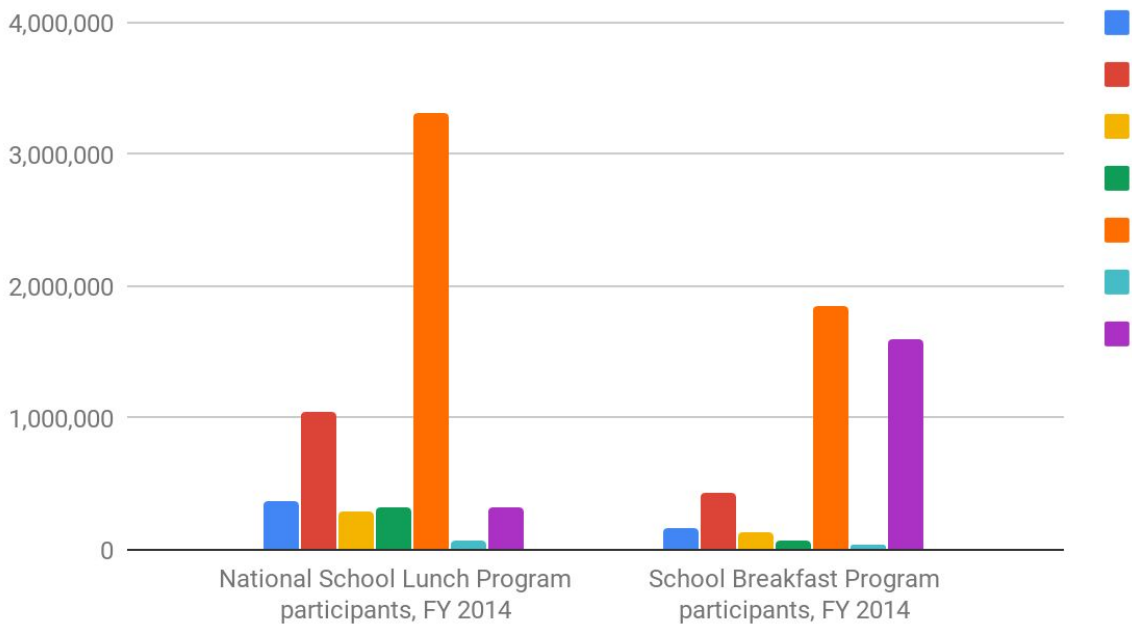
- Provided information on state-level food and nutrition assistance program participation rates
- National Farm-to-School Network
  - Provided statistics on farm-to-school programs.
- Bridging the Gap Program, University of Illinois at Chicago.
  - Provided information on state beverage and snack taxes

Provide the summary statistics for 5 variables in your dataset. Interpret these figures in context of the variable.

	WIC participants, FY 2014	National School Lunch Program participants, FY 2014	School Breakfast Program participants, FY 2014	Child and Adult Care participants, FY 2014	Summer Food participants, FY 2014	State Population, 2014
minimum	22,139	76,897	32,855	9,507	8,200	1,055,173
quartile 1	71751.25003	297625.1349	90669.66323	30058.5	13030.25	3199736.25
median	82,243	350,428	167,202	38,045	30,223	4,663,053
quartile 3	213,410	880,499	362,345	90,017	57,917	10,034,589
maximum	1,349,419	3,313,412	1,856,248	388,803	177,981	26,956,958

Represent data on two of the variables on a scatter plot, and describe how the variables are related.

## Correlation between Breakfast and Lunch Program



Fit a function to the data graphed in # 4. Interpret the slope and y-intercept in the context of the data.

- Equation
  - $41185.4249 = 717,580x + b$
- Y-intercept
  - 41185.4249
- Slope
  - 717,580

Calculate the correlation coefficient of the data graphed in # 4. Interpret this value in the context of the data with a description of the difference between correlation and causation.

The Correlation between The National Lunch and Breakfast programs are strong because 0.7029511499 is close to one. This means that Those who are in the Lunch program are very likely to be in the breakfast program as well.



## Works Cited

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“Healthy Eating for Children: Parents Not Following the Recipe.” *National Poll on Children's Health*, <https://mottpoll.org/reports-surveys/healthy-eating-children-parents-not-following-recipe>.

“Top Crops.” *The San Diego County Farm Bureau*, 19 Sept. 2018, [www.sdfarmbureau.org/top-crops/](http://www.sdfarmbureau.org/top-crops/).

“U.S. Census Bureau QuickFacts: San Diego County, California.” *Census Bureau QuickFacts*, U.S. Department of Commerce, 2017, <https://www.census.gov/quickfacts/fact/table/sandiegocountycalifornia/PST045217>

“What We Do.” *Slow Food Urban San Diego*, <https://www.sdfarmbureau.org/top-crops/>

