

The Community Game

The Power of Many: How **Mathematics & Statistics** Strengthen Communities

Take a trip through your community and discover how statistics powers daily life. From hospitals to highways and schools to food banks, data keeps everything moving.



Public Health & Safety
Public health and safety rely on statistics to track disease outbreaks, monitor emergency response times, ensure water and food safety, and measure vaccination coverage.



Infrastructure & Transportation
Infrastructure and transportation rely on data to optimize traffic flow, plan transit routes, prioritize road repairs, analyze utility use, and assess walkability and bike access.



Education
Education relies on data to track student performance, allocate resources, monitor attendance, evaluate programs, and identify achievement gaps.



Local Economy
The local economy relies on data to analyze small businesses, employment trends, housing markets, and tourism patterns to guide economic development.



Environment & Sustainability
Environmental decisions rely on data, from air quality, climate patterns, and park and green space usage to recycling programs and urban heat mapping.



Social Services
Social services rely on data to map food insecurity, track homelessness, monitor library and recreation use, and assess community needs.



Civic Engagement
Civic engagement relies on data to analyze voter turnout, design community surveys, guide budget decisions, and measure equity across neighborhoods.