



Help with Data



Data Literacy and Education Programming and Workshops

Data literacy, the ability to derive meaningful information from data, is essential for Iowa's communities, leaders, and residents to make educated and wise decisions on critical issues and policies. This program focused on data literacy and education can provide:

- Knowledge and skills to understand, use, visualize, interpret, and practice with data relevant to communities, organizations, and counties.
- Depth of knowledge about selected measures and indicators including income and poverty, age, race and ethnicity, housing, health, employment, households, families, and the foreign born.
- Facilitate participants with knowledge and skills to discuss data and bridge to applications and decision making with the data.

The specific topics to be included in any given workshop will be decided in conjunction with the client group and their interests and preferences. The workshops will be two to three hours in length. Topics and modules will be interactive with activities and group discussions to engage and enhance learning and understanding by the participants.

Example Program Topics

- "Walk-through" ISU Extension's *Data for Decision Makers*: county, city, districts – 4-page profiles
- "Walk-through" the *Housing or Health Data for Decision Makers* – 4-page county profiles
- Examine trends and compare and contrast among counties and communities
- Using and understanding the *American Community Survey*
- Making and interpreting graphs and other visuals
- Mapping concepts along with access to ISU Extension's Indicators Portal mapping capabilities
- Using and understanding statistical concepts such as sampling, margins of error, mean and median
- Indicators and measures for income and poverty; adjustment for inflation
- Indicators and trends for race and Hispanic origin
- Population trends including age, income, households, families, immigration, and English language learners
- Review the data used for the Robert Wood Johnson Foundation's *County Health Rankings & Roadmaps*

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