



# UMM DATA SERVICES



## WHAT IS UMM DATA SERVICES?

With the support of partial funding from the Otto Bremer Foundation, the University of Minnesota, Morris Center for Small Towns and the Morris statistics discipline have collaborated to develop UMM Data Services, an innovative online portal and customized statistical consulting service that provides data for small cities and townships in Minnesota. The portal addresses the absence of rural data, difficulties in the interpretation of such data, and the lack of affordable consultation services.

- brings together rural data from many sources, including sub-county level data
- has the ability to analyze multiple variables at one point in time or a single variable over time
- provides the indicators most frequently requested by rural communities
- In-house analysis contains charts and graphs based on geographic areas
- Built-in statistical analysis packages allow users access to the most advanced techniques to build data tables and analyze relationships between variables
- public, open source

## ONLINE RESOURCE

### UMM Data Services Database

#### Primary Data

Census  
State Data

#### Secondary Data

UMM Data Services Project Data  
Other Government Agency Links  
User Submitted Data

## How Can I Use the Online Resource?

#### Community User

Search pre-determined reports  
View charts, graphs, data  
Interact with CST Staff  
Interpretation Center

#### Advanced User

Search Data  
Create Tables  
Analyze using integrated R Statistical Software  
Communicate with others  
Publish Findings

## DATA CONSULTATION SERVICE

The Morris statistics discipline provides advanced data gathering and analysis for affordable, meaningful, and practical results.

**Data Gathering**  
**Advanced Analysis**  
**Reporting**  
**Interpretation**

## Statistical and Data Analysis Expertise

#### Modern Multivariate Analysis

Data Reduction Techniques  
Data Mining  
Trends Analysis

#### Classification and Discrimination Analysis

Create groups among variables and objects based on similar characteristics.

#### Multivariate Decision Theory

Risk Analysis  
Determines Decision Potential

#### Tools

Survey Design  
Published Data  
Case Studies  
Focus Groups