



# Spatial Statistics Workshop

**Tarrant County College**  
**Southeast Campus**  
**May 18 & 19, 2006**  
**\$350 per seat**

Tarrant County College is presenting a 2 day workshop on working with the Spatial Statistics tools in ArcMap. These tools are available at all license levels from ArcView 9 to ArcGIS 9 with no extensions.

Hands-on exercises will highlight the analysis tools and spatial statistics tools, building a better understand of how and why to use these tools, as well as knowledge of their statistical importance.

Attendees should have a prior knowledge of ArcMAP and working with GIS data sets.

**Date: May 18 & 19, 2006**

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## **Class Highlights**

*All Books Provided*

*Basics of Spatial Analysis*

*Data Distribution*

*Hot Spot & Cluster Analysis*

*Determining Statistical Significance*

*Proceeds benefit the GIS Scholarship Fund*

For more information or to register, contact David Allen at david.allen@tccd.edu or (817) 685-1633



Tarrant County College District

# GIS Analysis for ArcMap Users

Spatial Analysis – The ability to display information in such a way as to convince others that there is information there.

Text: The ESRI Guide to GIS Analysis

## Volume 1: Geographic Patterns and Relationships

### Chapter 1

What is GIS Analysis?

Understanding Geographic Attributes

### Chapter 2

Mapping Where Things Are

Simple Display of Data

Setting Symbology

Displaying and Selecting Features

### Chapter 3

Mapping the Most and Least

Understanding Quantities

Mapping Quantities

Using Classes

### Chapter 4

Mapping Densities

Data Concentrations by AREA

Calculating Density

Displaying Density

### Chapter 5

Finding What's Inside

List, Count or Summary

Making / Using Buffers

### Chapter 6

Finding What's Nearby

Creating a Multiple Distance or Field Buffer

Using the Near and Point Distance tools

## Volume 2: Spatial Measurements and Statistics

### Chapter 1

Introducing Spatial Statistics

Understanding Data Distributions

### Chapter 2

Measuring Geographic Distributions

Collected Events

Measuring the compactness of the distributions

Dispersion

Testing Statistical Significance

### Chapter 3

Nearest Neighbors

Defining Spatial Neighborhoods and Weights

### Chapter 4

Identifying Clusters

Making Clusters

Testing Statistical Significance

Payment for the workshop can be by either check (payable to Tarrant County College) or credit card. Payments will be collected on the first day of the workshop.

To reserve a seat in the class, fill out the form below and e-mail to david.allen@tccd.edu or fax to (817) 685-3149

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City / State: \_\_\_\_\_

Zip: \_\_\_\_\_