







Analyzing Precision Ag Data
 A Hands-on Case Study in Spatial Analysis and Data Mining
 This item is on the CD and requires internet connectivity on the PC. The item is a hands-on case study in spatial analysis and data mining.

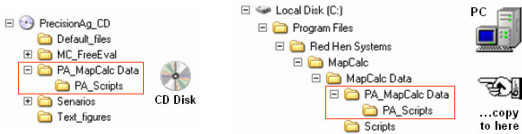
Item	Description
	This item installs the MapCalc Learner evaluation software. See Page 1.1.2, installing MapCalc Learner.
	Clear all open programs. Click on the link then follow the on-screen instructions. The program, databases and support materials require approximately 200MB free disk space to install. The evaluation program will expire in 14 days.
	See more information on the MapCalc Learner software on the mapcalc.com website (http://www.mapcalc.com/). See the mapcalc.com website for the latest version (1.0.0.0).
	This item contains several annotated desktops and example applications of geospatial map analysis. See Page 1.1.3, Example of MapCalc capabilities in more.
	Click on any of the links in the listing to access the examples. All of the example applications were developed using MapCalc Learner and can be replicated using the standard desktops identified with each example.
	This item contains a full color PowerPoint slide set of all of the workbook figures. References to maps are provided. References to figures are from Analyzing Precision Ag Data, J.K. Berry, 2002.

Installing MapCalc Software— the case study companion CD contains the MapCalc Learner software used in the hands-on exercises. The following exercises introduce some of MapCalc’s basic capabilities and provide instructions for installing the software. To begin, insert the companion CD into your computer and the main menu will automatically appear.

If this main menu doesn't appear select “Start” → “Run” → “Startup.bat” from the Windows Task Bar.

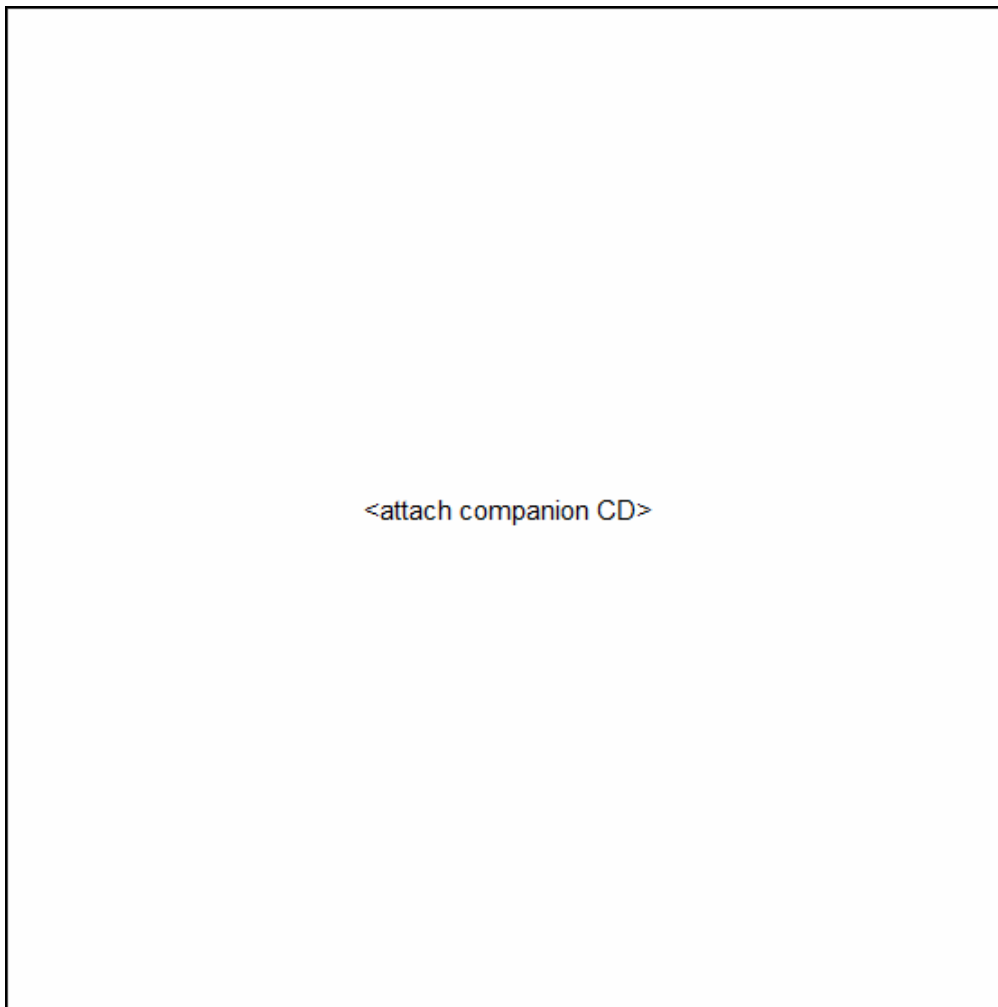


Select the **Install MapCalc** link to begin installing the MapCalc Learner evaluation program. Click on the **Open** button then follow the on-screen instructions using the default specifications (recommended).



Install the data and support materials by copying the **\PA_MapCalc Data** folder on the CD to the **...MapCalc Data** folder where the MapCalc program was installed.

...see Topic 1.5 for more information on installation.



<attach companion CD>

Analyzing Precision Ag Data

A Hands-On case Study in Spatial Analysis and Data Mining

Analyzing Precision Ag Data brings together underlying concepts of map analysis with concise examples and hands-on experience in analyzing precision agriculture data. This book will help readers understand the nature of spatial data and the concepts, procedures and considerations used in their analysis. The author draws from over twenty-five years of teaching and practical experience to fill the book with numerous examples and hands-on exercises. The companion *MapCalc Learner* software and agriculture data set provides practical examples of data analysis techniques within a case study format.

Written in a concise and straightforward manner, this book is intended for agriculture students and professionals alike—anyone who wants to take precision agriculture beyond maps to critical information for site-specific decisions.

Table of contents:

- 1. Overview of the Case Study**
 - 2. Mapped Data Visualization and Summary**
 - 3. Comparing Mapped Data**
 - 4. Spatial Interpolation**
 - 5. Characterizing Data Groups**
 - 6. Developing Predictive Models**
 - 7. Analyzing Spatial Context**
 - 8. Generating Prescription Maps**
- Appendix A. Quick Set of Exercises**
- Appendix B. Creating Your Own Ag Database**

Joseph K. Berry is principal of Berry and Associates // Spatial Information Systems, consultants and software developers in Geographic Information Systems (GIS) technology. He also serves as a Special Faculty member at Colorado State University and the Keck Scholar in Geosciences at the University of Denver. He is the author of the “Beyond Mapping” column for GEOWorld and the popular books *Beyond Mapping* and *Spatial Reasoning* (John Wiley & Sons). He has been teaching courses in map analysis since 1977 and has presented hundreds of workshops on the topic. He holds a B.S. degree in forestry, an M.S. in business emphasizing operations research/finance, and a Ph.D. emphasizing remote sensing and land use planning.

Analyzing Precision Ag Data by *Joseph K. Berry*

...more information at www.innovativegis.com/basis

