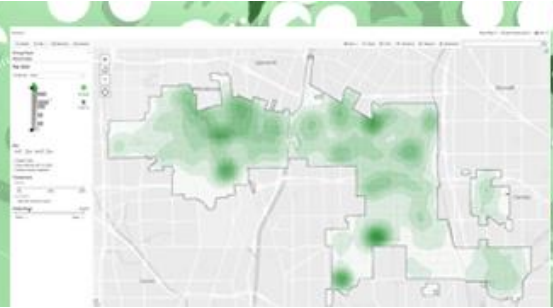


Going Places with Spatial Analysis



Course Syllabus

Section 1

Geography Matters

This lesson introduces spatial analysis and all the different ways that location affects our lives. It identifies the tools and data used to explore spatial questions and problems.

Section 2

Understanding and Comparing Places

Different locations host different physical and cultural features and populations. Locations can be described and summarized with attributes and can be compared to one another.

Section 3

Determining How Places are Related

How you arrange your data affects how you understand locations. Choosing the appropriate scale and combining meaningful data sets can help reveal relationships.

Section 4

Finding the Best Locations and Paths

Topology defines spatial relationships between features. Querying these relationships along with specific attributes helps find optimal locations for activities, structures and routes.

Section 5

Detecting and Quantifying Patterns

Information on the distribution patterns of a phenomenon can guide policies that encourage positive activities and deter negative ones.

Section 6

Making Predictions

Models help predict the situation in locations where data is not available and help analysts understand the underlying causes of patterns.

Esri® MOOC

TIPS FOR SUCCESS

Esri massive open online courses (MOOCs) are engaging, educational—and most of all, fun.
For the best experience:

CHECK YOUR TECHNICAL SETUP

Esri software is provided for your use during the course.

- ▶ Carefully read the Software section on the course catalog page to confirm you have any non-Esri software required and that your system meets all hardware requirements.
- ▶ Use a desktop computer—not a smartphone or tablet.
- ▶ Use a browser with a PDF reader plug-in installed.
- ▶ Make sure your firewall and browser settings allow you to view embedded video files.

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STAY ON TRACK IN COURSE EXERCISES

To easily move back and forth between step-by-step exercise instructions and Esri software:

- ▶ Print the instructions, use two monitors, or view the instructions on a separate device.

MANAGE YOUR TIME

To earn a certificate of completion, complete all course content by the course end date.

- ▶ Plan to spend at least three hours per week on each section.
- ▶ Add the course end date to your personal calendar and set reminders to study.

4

BE AN ACTIVE LEARNER

Practice independent learning and engage with your peers.

- ▶ Complete each section during its opening week and participate in forum discussions.
- ▶ Read weekly announcements for course updates and interesting student contributions.
- ▶ When you have a question or issue, follow the steps on the course Help page.

