



Contents

- Prefacevii

- Chapter 1 Introducing GIS1**
 - Exercise 1 Explore ArcGIS Online.11

- Chapter 2 A first look at ArcGIS Pro33**
 - Exercise 2a Learn some basics34
 - Exercise 2b Go beyond the basics49
 - Exercise 2c Experience 3D GIS.59

- Chapter 3 Exploring geospatial relationships69**
 - Exercise 3a Extract part of a dataset71
 - Exercise 3b Incorporate tabular data79
 - Exercise 3c Calculate data statistics95
 - Exercise 3d Connect spatial datasets104

- Chapter 4 Creating and editing spatial data.113**
 - Exercise 4a Build a geodatabase.115
 - Exercise 4b Create features126
 - Exercise 4c Modify features.138

- Chapter 5 Facilitating workflows153**
 - Exercise 5a Manage a repeatable workflow using tasks.156
 - Exercise 5b Create a geoprocessing model169
 - Exercise 5c Run a Python command and script tool.182

Chapter 6 Geoenabling your project195

Exercise 6a Prepare project data198

Exercise 6b Geocode location data204

Exercise 6c Use geoprocessing tools to analyze vector data217

Chapter 7 Analyzing spatial and temporal patterns229

Exercise 7a Create a kernel density map231

Exercise 7b Perform a hot spot analysis235

Exercise 7c Explore the results in 3D244

Exercise 7d Animate the data251

Chapter 8 Determining suitability257

Exercise 8a Prepare project data261

Exercise 8b Derive new surfaces268

Exercise 8c Create a weighted suitability model278

Chapter 9 Presenting your project287

Exercise 9a Apply detailed symbology290

Exercise 9b Label features299

Exercise 9c Create a page layout306

Exercise 9d Share your project317

Glossary321

Task index329

Image and data source credits333