

Contents

<i>List of tables</i>	vii
<i>List of figures</i>	viii
<i>Preface</i>	x
1 Digital humanities overview	1
<i>1a What is digital humanities?</i>	1
<i>1b Principles and scenarios for digital humanities</i>	8
2 Data modeling and use	19
<i>2a Making data</i>	19
<i>2b Cleaning and using data</i>	28
3 Digitization	34
<i>3a Digital documents: formats and protocols</i>	34
<i>3b Digitization and file formats</i>	43
4 Metadata, markup, and data description	52
<i>4a Metadata and classification</i>	52
<i>4b Markup: XML, TEI, KML, JSON, and other standards</i>	61
5 Database design	70
<i>5a Database basics</i>	70
<i>5b Database issues: legacy data, ethics, use</i>	77
6 Information visualization	86
<i>6a Basics of visualization</i>	86
<i>6b Networks and complex systems</i>	101

7 Data mining and analysis	110
<i>7a Data mining and text analysis</i>	110
<i>7b Cultural analytics, multi-modal communication, media, and audio mining</i>	121
8 Mapping and GIS	130
<i>8a Getting started</i>	130
<i>8b Critical issues in spatial humanities</i>	141
9 Three-dimensional and virtual models	151
<i>9a Virtual space and modelling 3-D representations</i>	151
<i>9b Photogrammetry</i>	162
10 Interface	172
<i>10a Interface basics</i>	172
<i>10b Understanding interface design</i>	183
11 Web presentation formats and networked resources	193
<i>11a Web presentation formats</i>	193
<i>11b Networked resources, standards for data sharing, and platforms</i>	200
12 Project design and intellectual property	211
<i>12a Project design and management</i>	211
<i>12b Intellectual property issues</i>	217
Coda: a note on advanced topics in digital humanities	226
Index	231