

Contents

Foreword	xi
Foreword to the First Edition	xiii
Credits	xv
Preface	xxv
Chapter 1. Web	1
INTRODUCTION <i>Google Web Search Basics</i>	1
<i>Full-Word Wildcards</i>	5
<i>The 10-Word Limit</i>	6
<i>Special Syntax</i>	8
<i>Mixing Syntax</i>	11
<i>Advanced Search</i>	15
<i>Quick Links</i>	18
<i>Language Tools</i>	20
<i>Anatomy of a Search Result</i>	22
<i>Setting Preferences</i>	25
<i>Understanding Google URLs</i>	27
1. Browse the Google Directory	29
2. Glean a Snapshot of Google in Time	31
3. Graph Google Results over Time	34
4. Visualize Google Results	36
5. Check Your Spelling	40
6. Google Phonebook: Let Google's Fingers Do the Walking	42
7. Think Global, Google Local	46
8. Track Stocks	50

9. Consult the Dictionary	52
10. Look Up Definitions	54
11. Search Article Archives	60
12. Find Directories of Information	62
13. Seek Out Weblog Commentary	64
14. Cover Your Bases	66
15. Repetition Matters	68
16. Search a Particular Date Range	70
17. Calculate Google Centuryshare	74
18. Hack Your Own Google Search Form	77
19. Go Beyond Google's Advanced Search	80
20. Use Google Tools for Translators	81
Chapter 2. Advanced Web	86
INTRODUCTION <i>Assumptions</i>	87
21. Like a Version	88
22. Capture Google Results in a Google Box	90
23. Build Google Directory URLs	96
24. Find Recipes	99
25. Track Result Counts over Time	102
26. Feel Really Lucky	106
27. Get Random Results (on Purpose)	108
28. Permute a Query	112
29. Weight a Query Keyword	115
30. Restrict Searches to Top-Level Results	118
31. Search for Special Characters	123
32. Dig Deeper into Sites	126
33. Summarize Results by Domain	129
34. Measure Google Mindshare	133
35. SafeSearch Certify URLs	135
36. Search Google Topics	139
37. Find the Largest Page	142
38. Perform Proximity Searches	144
39. Meander Your Google Neighborhood	147
40. Run a Google Popularity Contest	155

41. Scrape Yahoo! Buzz for a Google Search	163
42. Compare Google's Results with Other Search Engines	166
43. Scattersearch with Yahoo! and Google	170
44. Yahoo! Directory Mindshare in Google	173
45. Glean Weblog-Free Google Results	177
46. Spot Trends with Geotargeting	180
47. Bring the Google Calculator to the Command Line	187
48. Build a Custom Date Range Search Form	189
49. Search Yesterday's Index	191
Chapter 3. Images	195
INTRODUCTION <i>Google Images Advanced Search Interface</i>	196
<i>Google Images Search Syntax</i>	197
50. Borrow a Corporate or Product Logo	198
51. Browse the World Wide Photo Album	200
52. Google Cartography: Street Art in Your Neighborhood	203
53. Capture the Map	207
Chapter 4. News and Groups	209
INTRODUCTION: GOOGLE NEWS	209
<i>Google News Search Syntax</i>	210
<i>Advanced News Search</i>	211
<i>Making the Most of Google News</i>	212
<i>Receive Google News Alerts</i>	213
<i>Beyond Google for News Search</i>	213
54. Scrape Google News	213
55. Visualize Google News	217
INTRODUCTION: GOOGLE GROUPS	219
<i>10 Seconds of Hierarchy Funk</i>	220
<i>Browsing Groups</i>	220
<i>Google Groups Search Syntax</i>	221
<i>Advanced Groups Search</i>	224
56. Go Deeper into Groups with Google Groups 2	224
57. Scrape Google Groups	229
58. Simplify Google Groups URLs	233

Chapter 5. Add-Ons	235
59. Keep Tabs on Your Searches with Google Alerts	235
60. Add Google to Your Toolbar or Desktop	239
61. Google Your Desktop	244
62. Google with Bookmarklets	252
63. Google from Word	254
64. Google by Email	264
65. Google by Instant Messenger	265
66. Google from IRC	268
67. Google on the Go	272
68. Visit the Google Labs	279
69. Find Out What Google Thinks ____ Is	281
70. The Search Engine Belt Buckle	283
Chapter 6. Gmail	294
INTRODUCTION <i>Gmail Search Syntax</i>	295
<i>Additional Resources</i>	297
71. Glean a Gmail Invite	298
72. Create and Use Custom Addresses	299
73. Import Your Contacts into Gmail	301
74. Import Mail into Gmail	310
75. Export Your Gmail	318
76. Take a Walk on the Lighter Side	321
77. Gmail on the Go	326
78. Use Gmail as a Linux Filesystem	331
79. Use Gmail as a Windows Drive	337
80. Program Gmail	339
Chapter 7. Ads	343
INTRODUCTION <i>Google AdSense</i>	343
<i>Google AdWords</i>	344
81. Get the Most out of AdWords	344
82. Generate Google AdWords	349
83. Scrape Google AdWords	350
84. Determine the Worth of AdWords Words	353
85. Serve Backup Ads	366

Chapter 8. Webmastering	370
INTRODUCTION <i>Google's Importance to Webmasters</i>	370
<i>The Mysterious PageRank</i>	371
<i>The Equally Mysterious Ranking Algorithm</i>	371
<i>Keeping Up with Google's Changes</i>	371
<i>In a Word: Relax</i>	372
86. A Webmaster's Introduction to Google	372
87. Get Inside the PageRank Algorithm	375
88. 26 Steps to 15K a Day	379
89. Be a Good Search Engine Citizen	385
90. Clean Up for a Google Visit	388
91. Remove Your Materials from Google	390
Chapter 9. Programming Google	395
INTRODUCTION <i>Signing Up and Google's Terms</i>	396
<i>The Google Web APIs Developer's Kit</i>	397
<i>Using Your Google API Key</i>	397
<i>What's WSDL?</i>	398
<i>Understanding the Google API Query</i>	399
<i>Understanding the Google API Response</i>	403
<i>A Note on Spidering and Scraping</i>	406
92. Program Google in Perl	407
93. Install the SOAP::Lite Perl Module	409
94. Program Google with the Net::Google Perl Module	412
95. Loop Around the 10-Result Limit	414
96. Program Google in PHP	417
97. Program Google in Java	419
98. Program Google in Python	422
99. Program Google in C# and .NET	425
100. Program Google in VB.NET	428
Index	433