

Contents at a Glance

Part I: Understanding PivotTables and Charts	1
Part II: Understanding Data Sources for PivotTables	15
Part III: Using PivotTable Tools and Formatting	59
Part IV: Working with PivotTable Components	77
Part V: More About PivotTable Components	111
Part VI: Understanding and Using PivotCharts	137
Part VII: Using PivotTables with Multidimensional Data	159
Part VIII: Getting Hard Data from a PivotTable	183
Part IX: PivotTable Alternatives	197
Part X: Programming PivotTables with VBA	211
Appendix A: Troubleshooting PivotTables and PivotCharts	237
Appendix B: Excel Version Differences for PivotTables	241
Appendix C: An Excel Chart Primer	245
Index	263

Contents

Part I: Understanding PivotTables and Charts	1
<hr/>	
Tips and Where to Find Them	2
Understanding How PivotTables Work	3
Working with PivotTables	4
Creating a PivotTable Report	5
Creating a PivotTable Report with Multiple Columns	9
Creating a PivotChart	12
Part II: Understanding Data Sources for PivotTables	15
<hr/>	
Tips and Where to Find Them	16
Using Excel Data from the Same Workbook	17
Using Excel Data from Another Workbook	20
Using Data from Other Sources	23
Using Data from Databases	25
Existing Data Source	25
XXXX Database	27
<New Data Source>	28
Queries	30
OLAP Cubes	30
Creating a PivotTable Report from Data in an Access Database	31
Using Other External Data Sources	39
Using Multiple Consolidation Ranges	39
Letting Excel Create a Single Page Field	42
Creating Your Own Page Fields	44
Creating a Single-Page Field PivotTable Report from Multiple Consolidation Ranges	47
Creating a Multiple-Page Field PivotTable Report from Multiple Consolidation Ranges	50
Basing a PivotTable on Another PivotTable Report	54
Creating a PivotTable with Inner and Outer Row Fields	54
Part III: Using PivotTable Tools and Formatting	59
<hr/>	
Tips and Where to Find Them	60
Using the Layout Dialog Box in the PivotTable and PivotChart Wizard	61
Understanding the PivotTable Toolbar	63
Customizing the PivotTable Toolbar	63

Using the PivotTable Menu	64
Setting PivotTable Options	65
Format Options	66
Data Options	68
Formatting PivotTables	69
Autoformatting a PivotTable	70
Changing the Number Format	72
Changing Other Formats	73
Applying Formatting to a PivotTable Report	74

Part IV: Working with PivotTable Components **77**

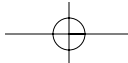
Tips and Where to Find Them	78
Using Drop Areas	79
The Field List	79
Dragging a Field Off a PivotTable	80
Using the Row Drop Area	80
Using Multiple Row Fields	82
Using the Column Drop Area	84
Creating a PivotTable with Two Column Fields and Two Row Fields	85
Using the Data Drop Area	87
Using Multiple Data Fields	88
Using the Page Drop Area	90
Creating a PivotTable with Three Page Fields	91
Working with Field Settings	94
Using Settings for Data Fields	95
Using Different Summary Functions	96
Working with Settings for Row and Column Fields	99
Advanced Row and Column Field Settings	100
Field Layout Settings	100
Working with Settings for Page Fields	102
Understanding Advanced Field Settings	103
Page Field Options	103
Sort Options	104
Using the Sort and AutoShow Options	105
Setting Advanced Data Field Options	107

Part V: More About PivotTable Components **111**

Tips and Where to Find Them	112
Working with Calculated Fields and Items	113
Calculated Fields	113
Creating and Using a Calculated Field	114

Working with Calculated Items	119
Creating and Using a Calculated Item	120
Showing and Hiding Detail	124
Viewing Detail for Data Items	124
Viewing Details for Field Items	124
Viewing Detail in OLAP Reports	126
Grouping PivotTable Items	128
Grouping Numeric Items	128
Grouping Dates	130
Grouping Other Items	132
Grouping Category Data	132
Part VI: Understanding and Using PivotCharts	137
<hr/>	
Tips and Where to Find Them	138
Understanding PivotCharts	139
Creating a PivotChart	139
Create a PivotChart from an Existing PivotTable	139
Create a PivotChart from Scratch	139
Creating a PivotChart from Scratch	141
Understanding the Parts of a Chart	144
Working with the PivotChart Menu	145
Understanding and Changing PivotChart Types	146
Understanding a PivotChart's Structure	148
A Simple PivotChart	148
A PivotChart with Two Row Fields	149
A PivotChart with Two Column Fields	152
Creating a 3-D PivotChart	153
Part VII: Using PivotTables with Multidimensional Data	159
<hr/>	
Tips and Where to Find Them	160
Using Multidimensional Data	161
Understanding Multidimensional Data	162
Flat Data	162
Relational Data	162
Multidimensional Data	164
Where Are Multidimensional Data Stored?	170
Multidimensional Data Terminology	171
Creating a Cube File	172
Creating a PivotTable from a Cube File	179
Working with OLAP PivotTables	182

Part VIII: Getting Hard Data from a PivotTable	183
Tips and Where to Find Them	184
Understanding the GETPIVOTDATA Function	185
GETPIVOTDATA Function Basics	185
A GetPivotData Shortcut	187
Referencing PivotTable Cells by Address	187
Page Fields and the GETPIVOTDATA Function	188
GETPIVOTDATA and OLAP Data	189
GETPIVOTDATA and Show/Hide Detail	190
Using GETPIVOTDATA to Analyze PivotTable Data	191
Copying and Pasting PivotTables	194
Part IX: PivotTable Alternatives	197
Tips and Where to Find Them	198
Working with Subtotals	199
Nesting Subtotals	202
Hiding and Showing Subtotal Detail	205
Working With Database Functions	206
Defining Criteria	207
Working with Crosstabs	209
Working with Filters	209
Part X: Programming PivotTables with VBA	211
Tips and Where to Find Them	212
Understanding the PivotTable Object Model	213
Referencing and Creating PivotTables	215
Referencing an Existing PivotTable	215
Creating a New PivotTable in Code	216
Using the PivotTableWizard Method	217
Creating a New PivotTable Without the PivotTableWizard Method	219
Working with the PivotTable Object	221
Adding and Removing Row, Column, and Page Fields	223
Adding and Removing Data Fields	224
Creating a PivotTable Using VBA Code	225
Working with PivotTable Fields	227
Creating and Changing Filters	228
Changing a Field's Position	229
Creating Calculated Fields and Items	229
Hide and Show Field Items	230
Using AutoShow and AutoSort	231
Changing a Field's Calculation	232
Changing the Display Format of a Field	233
Creating a PivotChart in Code	235



Contents **ix**

Appendix A: Troubleshooting PivotTables and PivotCharts	237
Appendix B: Excel Version Differences for PivotTables	241
Appendix C: An Excel Chart Primer	245
Index	263

