

Contents

To help guide you through the tutorials, each chapter is roughly classified by difficulty depending on the number of steps, how many different chart types are used, and how much data preparation is needed.

■ Beginner ■ ■ Intermediate ■ ■ ■ Advanced

Acknowledgements xi

PART ONE: SETTING THE STAGE

1. Introduction	3
2. How to Use This Book	11
3. The Philosophy of Data Visualization in Excel	17
4. Introduction to Making Graphs in Excel	25
5. Fundamental Formulas Used in Building Your Graphs	53
6. Building a Custom Color Palette in Excel	73

PART TWO: MAKING GRAPHS IN EXCEL

7. Sparklines ■	85
8. Heatmap ■	89

9. Stripe Chart ■	97
10. Waffle Chart ■	103
11. Gantt Chart ■	111
12. Comparing Values with Two Graph Types ■ ■	125
13. Broken Stacked Bar Chart ■ ■	135
14. Diverging Bar Chart ■ ■	147
15. Block Shading (Same Frequency) ■	155
16. Block Shading (Different Frequencies) ■ ■	161
17. Mark an Event with a Line ■ ■	169
18. Dot Plot ■ ■	187
19. Slope Chart ■ ■	199
20. Overlaid Gridlines ■ ■	213
21. Lollipop Chart ■ ■	221
22. Bullet Chart ■ ■ ■	227
23. Tile Grid Map ■ ■ ■	239
24. Histogram ■ ■ ■	257
25. Marimekko Chart ■ ■ ■	275
26. Cycle Plot ■ ■ ■	287
27. Strip Chart ■ ■	297
28. Raincloud Plot ■ ■ ■	303
29. Making Better Tables	315

PART THREE: MOVING VISUALS OUT OF EXCEL

30. Exporting Graphs from Excel	325
31. Redesigns and Examples	331
32. Conclusion	345
Appendix 1. Color Tools	347
Appendix 2. Data Visualization Tools	349
Appendix 3. Additional Excel Resources	355
Appendix 4. Quick Instructions List	357
References	377
Index	379