## Beginning Excel What-If Data Analysis Tools

Getting Started with Goal Seek, Data Tables, Scenarios, and Solver

**Paul Cornell** 

## Beginning Excel What-If Data Analysis Tools: Getting Started with Goal Seek, Data Tables, Scenarios, and Solver

## Copyright © 2006 by Paul Cornell

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

ISBN (pbk): 1-59059-591-2

Printed and bound in the United States of America 9 8 7 6 5 4 3 2 1

Trademarked names may appear in this book. Rather than use a trademark symbol with every occurrence of a trademarked name, we use the names only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

Lead Editor: Jim Sumser

Technical Reviewer: Andy Pope

Editorial Board: Steve Anglin, Dan Appleman, Ewan Buckingham, Gary Cornell, Tony Davis, Jason Gilmore, Jonathan Hassell, Chris Mills, Dominic Shakeshaft, Jim Sumser

Project Manager: Beth Christmas Copy Edit Manager: Nicole LeClerc

Copy Editor: Marilyn Smith

Assistant Production Director: Kari Brooks-Copony

Compositor: Linda Weidemann Proofreader: Linda Seifert

Production Editing Assistant: Kelly Gunther

Indexer: Valerie Perry

Cover Designer: Kurt Krames

Manufacturing Director: Tom Debolski

Distributed to the book trade worldwide by Springer-Verlag New York, Inc., 233 Spring Street, 6th Floor, New York, NY 10013. Phone 1-800-SPRINGER, fax 201-348-4505, e-mail orders-ny@springer-sbm.com, or visit http://www.springeronline.com.

For information on translations, please contact Apress directly at 2560 Ninth Street, Suite 219, Berkeley, CA 94710. Phone 510-549-5930, fax 510-549-5939, e-mail info@apress.com, or visit http://www.apress.com.

The information in this book is distributed on an "as is" basis, without warranty. Although every precaution has been taken in the preparation of this work, neither the author(s) nor Apress shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this work.

The source code for this book is available to readers at http://www.apress.com in the Source Code section.

## **Contents at a Glance**

	al Reviewer	
Acknowledgments		χvi
Introduction		. xix
CHAPTER 1	Goal Seek	1
CHAPTER 2	Data Tables	. 21
CHAPTER 3	Scenarios	. 39
CHAPTER 4	Solver	. 59
CHAPTER 5	Case Study: Using Excel What-If Tools	109
APPENDIX A	Excel What-If Tools Quick Start	131
APPENDIX B	Summary of Other Helpful Excel Data Analysis Tools	139
APPENDIX C	Summary of Common Excel Data Analysis Functions	149
APPENDIX D	Additional Excel Data Analysis Resources	155
INDEX		157