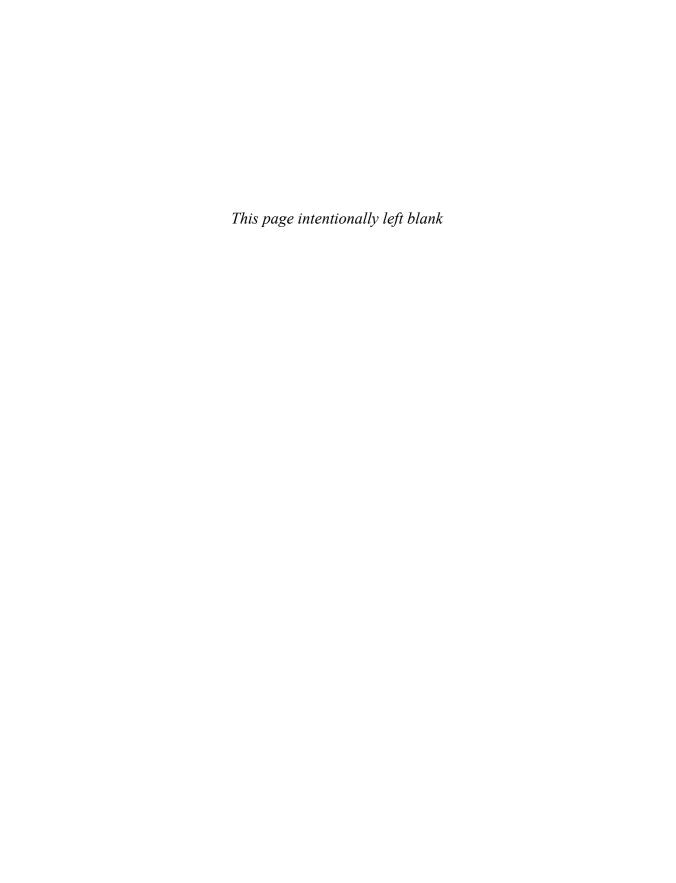
AN EXPLANATION OF CONSTRAINED OPTIMIZATION FOR ECONOMISTS

In a constrained optimization problem, the decision maker wants to select the "optimal" choice – the one most valuable to him or her – that meets all of the constraints imposed by the problem. Such problems are at the heart of modern economics, where the typical behavioral postulate is that a decision maker behaves "rationally"; that is, chooses optimally from a set of constrained choices.

Most books on constrained optimization are technical and full of jargon that makes it hard for the inexperienced reader to gain an holistic understanding of the topic. Peter B. Morgan's *Explanation of Constrained Optimization for Economists* solves this problem by emphasizing explanations, both written and visual, of the manner in which many constrained optimization problems can be solved. Suitable as a textbook or a reference for advanced undergraduate and graduate students familiar with the basics of one-variable calculus and linear algebra, this book is an accessible, user-friendly guide to this key concept.

PETER B. MORGAN is an associate professor in the Department of Economics at the University at Buffalo.



An Explanation of Constrained Optimization for Economists

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© University of Toronto Press 2015 Toronto Buffalo London www.utpublishing.com Printed in the U.S.A.

ISBN 978-1-4426-4278-2 (cloth) ISBN 978-1-4426-7777-4 (paper)



Printed on acid-free paper.

Library and Archives Canada Cataloguing in Publication

Morgan, Peter B., 1949–, author

An Explanation of Constrained Optimization for Economists / Peter B. Morgan

Includes bibliographical references and index.

ISBN 978-1-4426-4653-7 (bound). ISBN 978-1-4426-1446-8 (pbk.)

1. Constrained optimization. 2. Economics, Mathematical. I. Title.

QA323.M67 2015

519.6

C2015-900428-4

University of Toronto acknowledges the financial assistance to its publishing program of the Canada Council for the Arts and the Ontario Arts Council, an agency of the Government of Ontario.



Canada Council for the Arts

Conseil des Arts



University of Toronto Press acknowledges the financial support of the Government of Canada through the Canada Book Fund for its publishing activities.

