

Crime Solvability Factors

Richard Timothy Coupe ·
Barak Ariel · Katrin Mueller-Johnson
Editors

Crime Solvability Factors

Police Resources and Crime Detection

 Springer

Editors

Richard Timothy Coupe
Institute of Criminology
University of Cambridge
Cambridge, UK

Katrin Mueller-Johnson
Institute of Criminology
University of Cambridge
Cambridge, UK

Barak Ariel
Institute of Criminology
University of Cambridge
Cambridge, UK

Institute of Criminology, Faculty of Law
The Hebrew University
Mount Scopus, Jerusalem, Israel

ISBN 978-3-030-17159-9 ISBN 978-3-030-17160-5 (eBook)
<https://doi.org/10.1007/978-3-030-17160-5>

© Springer Nature Switzerland AG 2019

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Contents

Introduction	1
Richard Timothy Coupe, Barak Ariel and Katrin Mueller-Johnson	
Existing Research on Solvability	15
Tom Olphin and Richard Timothy Coupe	
Assessing Solvability Factors in Greater Manchester, England: The Case of Residential Burglaries	35
Patrick Gerard Donnellan and Barak Ariel	
Population-Level Analysis of Residential Burglaries	53
Colin Paine and Barak Ariel	
Solvability Indicators for ‘First Officers’: Targeting Eyewitness Questioning at Non-residential Burglaries	75
Richard Timothy Coupe	
Pickpocketing on Railways	89
Stephanie Sharp and Richard Timothy Coupe	
Metal Theft Solvability and Detection	107
Paul Robb, Richard Timothy Coupe and Barak Ariel	
Detecting and Combating Internet Telephony Fraud	127
Colin Duffy and Richard Timothy Coupe	
Targeting Factors that Predict Clearance of Non-domestic Assaults	149
Tom Olphin and Katrin Mueller-Johnson	
Solvability Factors and Investigative Strategy for Faith Hate Crime: Anti-Semitic and Islamophobic Assault, Criminal Damage and Public Order Offences in London	175
Simon Rose, Richard Timothy Coupe and Barak Ariel	

Reporting, Detection and Solvability of Sex Offences on Railways	225
Anthony Jones, Richard Timothy Coupe and Katrin Mueller-Johnson	
Offender–Offence Profiling: Improving Burglary Solvability and Detection	257
Bronwyn Killmier, Katrin Mueller-Johnson and Richard Timothy Coupe	
Boosting Offence Solvability and Detections: Solving Residential Burglaries by Predicting Single and Multiple Repeats	287
Richard Timothy Coupe and Katrin Mueller-Johnson	
Improving Offence Solvability and Detection Rates at Non-residential Burglary: Predicting Single and Multiple Repeat Incidence	305
Richard Timothy Coupe and Katrin Mueller-Johnson	
Homicide Resources, Solvability and Detection	331
Rebecca Riggs, Richard Timothy Coupe and Denis O'Connor	
Investigative Activities, Resources and Burglary Detection	367
Richard Timothy Coupe	
The Organisation and Deployment of Patrol Resources: Cost-Effective On-Scene Arrest at Burglaries	391
Richard Timothy Coupe	
Resources, Solvability and Detection: A Theoretical Model	411
Richard Timothy Coupe	
Conclusions	433
Richard Timothy Coupe and Barak Ariel	
Index	451

Contributors

Barak Ariel Institute of Criminology, University of Cambridge, Cambridge, England, UK;
Institute of Criminology, Faculty of Law, The Hebrew University of Jerusalem, Rehovot, Israel;
Institute of Criminology, Faculty of Law, The Hebrew University, Mount Scopus, Jerusalem, Israel

Richard Timothy Coupe Institute of Criminology, University of Cambridge, Cambridge, England, UK

Patrick Gerard Donnellan Greater Manchester Police, Manchester, UK

Colin Duffy iNet Telecom Ltd. (Voipfone), London, UK

Anthony Jones Metropolitan Police, Westminster, UK

Bronwyn Killmier Formerly of South Australia Police, Adelaide, SA, Australia

Katrin Mueller-Johnson Institute of Criminology, University of Cambridge, Cambridge, England, UK

Denis O'Connor Institute of Criminology, University of Cambridge, Cambridge, England, UK

Tom Olphin Institute of Criminology, University of Cambridge, Cambridge, England, UK

Colin Paine Thames Valley Police, London, UK

Rebecca Riggs Metropolitan Police, London, UK

Paul Robb Institute of Criminology, University of Cambridge, Cambridge, UK

Simon Rose Metropolitan Police Service, London, UK;
Institute of Criminology, University of Cambridge, Cambridge, England, UK

Stephanie Sharp British Transport Police, London, UK