

# University Performance Before and During Economic Crises

An Analysis of Graduate Characteristics





# **UNIPA Springer Series**

## **Editor-in-Chief**

Eleonora Riva Sanseverino, Department of Engineering, University of Palermo, Palermo, Italy

### Series Editors

Carlo Amenta, Department of Economics, Management and Statistics, University of Palermo, Palermo, Italy

Marco Carapezza, Department of Human Sciences, University of Palermo, Palermo, Italy

Marcello Chiodi, Department of Economics, Management and Statistics, University of Palermo, Palermo, Italy

Andrea Laghi, Department of Surgical and Medical Sciences and Translational Medicine, Sapienza University of Rome, Rome, Italy

Bruno Maresca, Department of Pharmaceutical Sciences, University of Salerno, Fisciano, Italy

Giorgio Domenico Maria Micale, Department of Industrial and Digital Innovation, University of Palermo, Palermo, Italy

Arabella Mocciaro Li Destri, Department of Economics, Management and Statistics, University of Palermo, Palermo, Italy

Andreas Öchsner, Department of Engineering and Information Technology, Griffith University, Southport, QLD, Australia

Mariacristina Piva, Department of Economic and Social Sciences, Catholic University of the Sacred Heart, Piacenza, Italy

Antonio Russo, Department of Surgical, Oncological and Oral Sciences, University of Palermo, Palermo, Italy

Norbert M. Seel, Department of Education, University of Freiburg, Freiburg im Breisgau, Germany

The **UNIPA Springer Series** publishes single and co-authored thematic collected volumes, monographs, handbooks and advanced textbooks, conference proceedings, professional books, SpringerBriefs, journals on specific issues of particular relevance in six core scientific areas. The issues may be interdisciplinary or within one specific area of interest. Manuscripts are invited for publication in the following fields of study:

- 1- Clinical Medicine:
- 2- Biomedical and Life Sciences:
- 3- Engineering and Physical Sciences;
- 4- Mathematics, Statistics and Computer Science;
- 5- Business, Economics and Law:
- 6- Human, Behavioral and Social Sciences.

Manuscripts submitted to the series are peer reviewed for scientific rigor followed by the usual Springer standards of editing, production, marketing and distribution. The series will allow authors to showcase their research within the context of a dynamic multidisciplinary platform. The series is open to academics from the University of Palermo but also from other universities around the world. Both scientific and teaching contributions are welcome in this series. The editorial products are addressed to researchers and students and will be published in the English language.

More information about this series at http://www.springer.com/series/13175

# Rosalinda Allegro · Ornella Giambalvo

# University Performance Before and During Economic Crises

An Analysis of Graduate Characteristics





Rosalinda Allegro Department of Economics, Business and Statistics University of Palermo Palermo, Italy Ornella Giambalvo Department of Economics, Business and Statistics University of Palermo Palermo, Italy

ISSN 2366-7516 ISSN 2366-7524 (electronic) UNIPA Springer Series ISBN 978-3-030-36141-9 ISBN 978-3-030-36142-6 (eBook) https://doi.org/10.1007/978-3-030-36142-6

# © Springer Nature Switzerland AG 2020

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

# **Preface**

The aim of this book is to analyze the performance of some Italian universities during a pre-crisis period and an economic crisis period, on the basis of graduate characteristics and graduate placement statistics. The Electre model is used to produce eighteen university rankings according to three different scenarios (Neutral, University and Job), three different roles ascribed to the key criteria (overeducation and mismatching), and two years corresponding to two postgraduation placement sampling surveys carried out in a pre-crisis period (2006) and during a crisis period (2011). The eighteen rankings are based on Economics/Statistics and Political & Social Sciences graduates. The rankings vary both according to the different scenarios considered and graduate characteristics. Some differences are noted between the two fields of study.

Palermo, Italy October 2019 Rosalinda Allegro Ornella Giambalvo

# Acknowledgements

The research results published in this book have been supported by the Italian Ministerial grant PRIN 2017 "From high school to job placement: microdata life course analyses of university student mobility and its impact on the Italian north-south divide" n. 2017 HBTK5P.

This book is the joint responsibility of the authors. Nevertheless O Giambalvo wrote chap. 1, 2 and 3 and R. Allegro the chap. 4, 5 and 6.

# **Contents**

1	Introduction	1
2	About Overeducation and Mismatching	3
	2.1 Definitions and Some Theoretical Approaches	3
	2.2 Some Empirical Evidence	4
	<ul><li>2.2 Some Empirical Evidence</li></ul>	5
3	Methodology	7
4	Data	13
5	Main Results	19
6	Comments and Final Remarks	31
Aj	oendix A: Matrices of Aggregated Concordance Indices	35
Aj	pendix B: Matrices of Outranking Credibility Indices	51
Re	erences	67