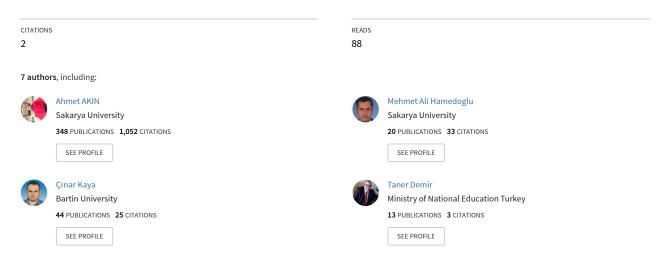
See discussions, stats, and author profiles for this publication at: https://www.researchgate.net/publication/257997824

Turkish Version of the Career Adapt-Abilities Scale (CAAS): The Validity and Reliability Study

Conference Paper · December 2012



Some of the authors of this publication are also working on these related projects:

 Project
 A contextual PPI group intervention: A RCT View project

 Project
 Psychological vulnerability View project

Springer Proceedings in Complexity

Santo Banerjee Şefika Şule Erçetin *Editors*

Chaos, Complexity and Leadership 2012



Springer Proceedings in Complexity

For further volumes: http://www.springer.com/series/11637

Santo Banerjee • Şefika Şule Erçetin Editors

Chaos, Complexity and Leadership 2012



Editors Santo Banerjee Institute for Mathematical Research University Putra Malaysia Malaysia

International Science Association Ankara Turkey Şefika Şule Erçetin Hacettepe University Ankara Turkey

International Science Association Ankara Turkey

ISSN 2213-8684 ISSN 2213-8692 (electronic) ISBN 978-94-007-7361-5 ISBN 978-94-007-7362-2 (eBook) DOI 10.1007/978-94-007-7362-2 Springer Dordrecht Heidelberg New York London

© Springer Science+Business Media Dordrecht 2014

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. Exempted from this legal reservation are brief excerpts in connection with reviews or scholarly analysis or material supplied specifically for the purpose of being entered and executed on a computer system, for exclusive use by the purchaser of the work. Duplication of this publication or parts thereof is permitted only under the provisions of the Copyright Law of the Publisher's location, in its current version, and permission for use must always be obtained from Springer. Permissions for use may be obtained through RightsLink at the Copyright Clearance Center. Violations are liable to prosecution under the respective Copyright Law.

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.

While the advice and information in this book are believed to be true and accurate at the date of publication, neither the authors nor the editors nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

SB: To my sister Santa Mukherjee and my little MAMU Sumadrish

SSE: In memory of my parents Mübeccel Erçetin and Yusuf Kenan Erçetin

Preface

Leadership in all sense has been centre of debates since humankind has its own society. From simple understanding of leadership to complex leadership theories, it is both mystical and scientific issue. Literally, leadership means that "the office or position of leader" and second explanation is "capacity to lead". It is obvious that perception and definition of leadership have been transformed and kindly evolved.

Unfortunately, the first attempt of describing of leadership in scientific way did not go back to ancient times however, there were lots of epitaph, myths and some poets, which described "leaders of their society in different names such as king, emperor and etc." More modern times, we have much remarkable books such as The Prince of Machiavelli. It was more than description of their leaders; it was also giving analysis of how good leaders (prince) should be. Even The Prince can be considered as a handbook of leaders.

Then, we can see books, which also criticized system and leaders especially during French revolution and its age. We can say that, scientific accumulation on leadership started from generally in the beginning of nineteenth century such as types of leadership were emerged. More alternative works have risen up in 40s and 50s. From poets on Rome's Ceaser to twenty-first century, there are new concepts are quite popular such as global leadership reveal that an intensive and long journey of leadership.

In light of this historical picture of how sources of leadership evolved show us that term of leadership is highly complex, dependent and also interdependent scientifically. In other words, notion of leadership has mutual relationship with history, geography, culture, national identity, psychology, philosophy, politics and list goes on.

This complexity makes its' field as a unique. Our symposium represents a new feature and dynamical perspective on leadership. We bring chaos and complexity, which are mainly notion of physics and mathematics to field of leadership. It has been studied that the nonlinear tools are very effective to investigate the modern leadership ability and to control the complex/chaotic situations. The subject is much more enhanced with the nonlinear techniques and chaos theory.

Preface

Not only physics but also, we shared many distinct, unique and fruitful ideas and workings from almost 20 different countries. That's why, we are glad to represent the book of Chaos, Complexity and Leadership symposium. Through the book, you will read numerous fantastic symposium paper which enlighten "leadership" as a phenomenon.

We are very much grateful to our invited speakers for their superlative lectures.

Finally we would like to thank all the participants, guests and members associated with ICCLS2012, to make the symposium successful.

Ankara, Turkey Ankara, Turkey Şefika Şule Erçetin Santo Banerjee

viii

Contents

| 1 | Great Illusion in Twenty-First Century-Chaos Knocking Door Şuay Nilhan Açıkalın and Şefika Şule Erçetin | 1 |
|---|--|----|
| 2 | Chaotic Time Delay Systems and Field Programmable Gate Array Realization D. Valli, S. Banerjee, K. Ganesan, B. Muthuswamy, and C.K. Subramaniam | 9 |
| 3 | An Adaptive Neuro-Fuzzy Inference System-Based Approach to Forecast Time Series of Chaotic Systems Utku Köse and Ahmet Arslan | 17 |
| 4 | Design and Development of a Chaos-Based ImageEncryption SystemUtku Köse and Ahmet Arslan | 23 |
| 5 | Comparison of Principal Component Analysis Biplots Based on Different Robust Covariance Matrix Estimates B. Barış Alkan and Cemal Atakan | 29 |
| 6 | Complexity and the Relationship of the State with Islam Kamilla Sheryazdanova | 35 |
| 7 | Anadolu Agency and the New Media Order Kemal Öztürk | 43 |
| 8 | The Role and Place of Migration and Diaspora's Policy in Bilateral Relations Between Kazakhstan and Germany Kamilla Sheryazdanova | 47 |
| 9 | Complex Adaptive Leadership for Performance: A Theoretical Framework Füsun Bulutlar and Rıfat Kamaşak | 59 |

| 10 | Chaos According to Teachers Attending PhD Programs and the Chaos Management in School Elif Gamze Özcan and Hilal Zehra Uzun | 67 |
|----|--|-----|
| 11 | Chaos Approach in Educational Administration Hilal Zehra Uzun and Elif Gamze Özcan | 73 |
| 12 | Uncertainty, Complexity and Fuzzy Logic İbrahim Özkan and I. Burhan Türkşen | 79 |
| 13 | Primary School Principals' Crisis Management Skills İlknur Çalışkan Maya | 95 |
| 14 | Evaluation of Post-Graduate Students' Perceptions of Transformational Leadership According to Some Variables Fırat Kıyas Birel and Meltem Yalın Uçar | 103 |
| 15 | Evaluating Market Basket Data with Formal Concept Analysis Alp Üstündağ and Mert Bal | 113 |
| 16 | Managing on the Edge of Chaos Ali Balcı | 119 |
| 17 | Controlling Chaotic Behavior of the Stepper Motor Using Genetic Algorithms | 131 |
| 18 | Robust Chaos Synchronization for Chua's Circuits viaActive Sliding Mode ControlOlfa Boubaker and Rachid Dhifaoui | 141 |
| 19 | A Modeling Approach Based on Fuzzy Least Squares Method for Multi-Response Experiments with Replicated Measures Özlem Türkşen and Ayşen Apaydın | 153 |
| 20 | Chaos, Complexity and Police Leadership Ramazan Terkeşli | 159 |
| 21 | Ideas on Municipalities, Chaos Theory and Transformational Leadership Recep Bozlağan | 165 |
| 22 | IDEAS The Modelling Technique Based on Neuro-Fuzzy Structure for Chaotic Rossler System Remzi Tuntaş | 177 |
| 23 | Leading Diversified Workforce to Improve Organizational Network Effectiveness Pınar Büyükbalcı, Yasemin Bal, Esin Ertemsir, and Sevgin Batuk Turan | 183 |

х

| 24 | Charismatic Leadership, Ethics and Effectiveness in Political Science | 193 |
|----|--|-----|
| | Zakir Gül | |
| 25 | GARCH Type Volatility Models Augmented with News Intensity Data | 199 |
| 26 | A General Outlook to the Transformational Leadership Practices of School Administrators in Turkey in the Light of Present Research Findings Tuğba Turabik | 209 |
| 27 | Avoidance Behaviors of School Managers in Uncertain and Chaotic Environments Nilay Neyişci and Nihan Potas | 219 |
| 28 | New Leadership Paradigms in the Complexity Science Nilay Neyişci and Nihan Potas | 229 |
| 29 | Chaotic Conditions That Postgraduate Students Came Across and Solution Suggestions Nedim Özdemir, Selçuk Turan, and Ahmet Yirmibeş | 235 |
| 30 | Survival of the Fittest: Intelligent Organizations as Intelligent Complex Adaptive Systems Esen Arzu Kayman and Şefika Şule Erçetin | 241 |
| 31 | How to Be a Quantum Leader in an Intelligent Organization? Şefika Şule Erçetin and Esen Arzu Kayman | 247 |
| 32 | Forming Educational Leadership Standards in Turkey and Educational Leadership Policy Standards: ISLLC 2008 Tuncay Akçadağ and Melek Kaymaz Mert | 253 |
| 33 | The Importance of School Administrators' Cultural Leadership in Chaos Atmosphere Mehmet Teyfur and Esin Acar | 259 |
| 34 | Is Arab Spring a Complex Utopia? K. Gediz Akdeniz | 267 |
| 35 | Compulsory and Discontinuous Education as a New Model: 4+4+4 Is It Chaotic? Kenan İli | 271 |
| 36 | A Simulation Study Goodness-of-Fit Tests for the Skewed Normal Distribution Emre E. Sarısoy, Nihan Potas, and Mahmut Kara | 277 |
| 37 | A Chaotic Fact: 2011 Van Earthquake-Evalutation of Pedegogs Mehmet Menteşe | 285 |

xi

| xii | C | Contents |
|-----|---|----------|
| 38 | Searching for New Model in Education Systems: Sample of Turkey | . 289 |
| 39 | Sustainability of Economic System in the Chaos Anna Firsova, Olga Balash, and Vladimir Nosov | . 299 |
| 40 | Economic Systems: From Chaos to Order | . 305 |
| 41 | The Development of the Local Economic System in the Conditions of Predominant Power Economy Elena Ogurtsova | . 315 |
| 42 | Would the Organizational Commitment and Occupational Burnout Perceptions of Firm Owner's with 10–49 Employees Be High at the Same Time? Why Not? (Example of Ankara) | . 327 |
| 43 | Ethics and Leadership Nursel Yardibi | . 333 |
| 44 | Situational Leadership in Change Management for Different Generations Buket Aksu | . 339 |
| 45 | Chaos Against Leadership in the Seljuks Era: The Case of Isfahan Nurullah Yazar | . 355 |
| 46 | The Contribution of Religious Teachingto the Development of Leadership SkillsTuğrul Yürük | . 361 |
| 47 | Atmospheric Tracers and the Monsoon System: Lessons Learnt from the 1991 Kuwait Oil Well Fires Peter Carl | . 371 |
| 48 | Fuzzy Generalized Fractal Dimensions for Chaotic Waveforms R. Uthayakumar and D. Easwaramoorthy | . 411 |
| 49 | Nonlinear Forced Convective Hydromagnetic Flow of Unsteady Biomagnetic Fluid Over a Wedge with Convective Surface Condition M.M. Rahman and M.A. Sattar | . 423 |
| 50 | Advancements on Authentication Methods for Transfer of Stream Data via Chaos Synchronization Techniques M.R.K. Ariffin and Z. Mahad | . 453 |

Contents

| 51 | Efficient Implementation Baptista Type Chaotic Cryptosystem with Encoding Scheme Z. Mahad, M.R.K. Ariffin, and M.A. Daud | |
|----|---|-----|
| 52 | Measuring Perceptual Reflections of Employees for Their Executives Intellectual Traits That Effecting Quality of Work Life of Employees and Organizational Change Seyfi Top, Ercan Öge, Serkan Dilek, and Özlem Atan | |
| 53 | Relationship Between the Attitudes of Undergraduate Students Towards Complex Numbers and Misconceptions Vildan Keçeli and Necla Turanlı | 487 |
| 54 | Turkish Version of the Career Adapt-Abilities Scale(CAAS): The Validity and Reliability StudyAhmet Akın, Çınar Kaya, Serhat Arslan, Taner Demir,Hakan Sarıçam, and Recep Uysal | 499 |
| 55 | Reflections of Syrian Chaos to Turkey: A Geopolitical Analysis Nurettin Özgen | 507 |
| 56 | Leaders, Followers and Their Personalities Burcu Erentuğ and Mehmet Ali Hamedoğlu | 519 |
| 57 | Determination of Leadership Behaviors of Mayors Who Have Been Elected with Local Election According to the Opinions of Employees Fuat Uzun | 533 |
| 58 | Dystopian Future View as a Narrative of Inherent Entropy of Organizations Ulaş Çakar and Ozan Nadir Alakavuklar | 539 |
| 59 | The Turkish Version of the Career Futures Inventory-Revised: The Validity and Reliability Study Mehmet Ali Hamedoğlu, Ahmet Akin, Serhat Arslan, Çınar Kaya, Taner Demir, Recep Uysal, and Hakan Sarıçam | 545 |
| 60 | The Importance of Building Leadership Skills with the Contemporary Youth Kadisha Shalgynbayeva | 551 |
| 61 | Chaotic Politics, Chaotic Relationships Mina Abbasiyannejad and Rosli Talif | 557 |
| 62 | Dynamical Motion Capture System Involving via Neural Networks Eva Volná, Robert Jarušek, Martin Kotyrba, and Daniel Rucký | 563 |
| | | |

xiii

Chapter 54 Turkish Version of the Career Adapt-Abilities Scale (CAAS): The Validity and Reliability Study

Ahmet Akın, Çınar Kaya, Serhat Arslan, Taner Demir, Hakan Sarıçam, and Recep Uysal

54.1 Introduction

The theory of career construction conceptualizes human development as the efforts to adapt himself to his environment (Savickas 2005). The adaptation to social life for human being includes all the basics and other roles and shapes our future (Savickas et al. 2009). It is important that people adapt the possible changes in their career life in parallel with the fast developments in recent years. Individuals may have difficulties in transition of their career life and adapt to the new situations (Savickas et al. 2009; Nota et al. 2012). According to Savickas et al. (2009) individuals have to face career transitions and adapt himself to different job roles at different times during their career life. Career transitions require individuals to review their purposes, attitudes, personal features and this makes their career adaptation ability so important (Klehe et al. 2011). In order to draw attention to career adaptation process, Savickas uses the terminology "career adapt ability" (Savickas et al. 2009).

"Career adapt ability" is accepted as the construction including abilities and behaviors required for adaptation of the changes in career life (Youseffi et al. 2011). Dufy (2010) defines "career adapt ability" as the critical skills required for the process of choosing their jobs. Savickas and Porfeli (2012) takes "career adapt ability" as the physiological structure involving personal resources used for handling the challenging job experiences, carrying out the tasks successfully which needs to be succeeded now and later, and adapting career transitions.

Career adapt abilities are the self-regulation skills that individuals use in hard job conditions, job roles which occur developmentally and career transitions

Sakarya University Educational Sciences Department, Sakarya 54300, Turkey e-mail: aakin@sakarya.edu.tr

H. Sarıçam Dumlupınar University Educational Sciences Department, Sakarya 43100, Turkey

A. Akın (🖂) • Ç. Kaya • S. Arslan • T. Demir • R. Uysal

S. Banerjee and Ş.Ş. Erçetin (eds.), *Chaos, Complexity and Leadership 2012*, Springer Proceedings in Complexity, DOI 10.1007/978-94-007-7362-2_54, © Springer Science+Business Media Dordrecht 2014

(Savickas and Porfeli 2012). Those self-regulation skills can be acquired by education and experience (Ford 1994; Sullivan Sheffrin 2003; Savickas and Porfeli 2012). Self-regulation skills are multi-dimensional not one dimensional. The theory of career construction takes these skills as a combined system.

Those career adapt abilities are concern, control, curiosity and confidence. The combination of these four components demonstrate the career adapt abilities of the people (Savickas and Porfeli 2012). Concern is related to being ready for the possible steps in the future. Control is the self-disciplination and having voice in shaping himself. Curiosity makes person think himself in a new and different job roles. Confidence can be explained as the self-sufficiency while exploring and searching (Savickas and Porfeli 2012).

When a career transition, a job-related obligation or a challenging job occurs; (a) Person feels concern about his career future, (b) Person needs control about his future, (c) Person curiosity about the possible scenario or situations, (d) Person feels confidence about being follower of his situation. The rise of career adapt abilities is the main purpose of career education and counseling (Savickas and Porfeli 2012).

The researches in 13 different countries demonstrate that career adapt ability scales measure what it purposes to measure and it can be accepted as a reliable study (Savickas and Porfeli 2012). In the studies which search career adapt abilities and different variable relations; it is found that there is no considerable connection between career adapt ability and general ability (Van Vianen et al. 2012); there is positive intermediate relationship between career adapt ability and taking work responsibility (Rossier et al. 2012); there is a high positive relationship between career adapt ability and vocational identity(Savickas and Porfeli 2012); there is a high positive relationship between career adapt ability and loyalty to job and being open to new experiences (Teixeira et al. 2012); there is a high positive relationship between career adapt ability and motivation, negative intermediate relationship between career adapt ability and concern (Pouyaud et al. 2012); unemployed people have higher subdimensions of concern, curiosity and control (Duarte et al. 2012; Djaló 2012); negative relationship between career adapt ability and perceived barriers, positive relationship between career adapt ability and wideness of interest and live satisfaction (Soresi et al. 2012).

Career adaptability was assessed using Savickas and Porfeli's (2012) Career Adapt Abilities Scale (CAAS). The 24-item five-point Likert scale (1 = not strong-5 = strongest) is composed of four subscales (concern, control, curiosity and confidence) which make up the over-arching construct of career adaptability that are confirmed by factor analysis carried on data collected from 13 countries. The results of confirmatory factor analysis indicated that the four-dimensional Career Adapt Ability model (confidence, control, curiosity, and concern) model was well fit ($x^2 = 4,987.1$, df = 248 p = 0.00, RMSEA = .050, CFI = .93). The internal consistency reliability coefficients were .83, .74, .79, .85 for concern, control, curiosity, and confidence scales respectively and .94 for the total scale. The aim of this research is to translate the Career adaptability Scale to Turkish and to examine its psychometric properties.

The Career Adapt Abilities Scale, as an instrument devised for assessing the psychological dimension of career adapt, which has sufficient psychometric properties, is presented to the attention of researchers and practitioners in Turkey for utilization in evaluation and research activities in various areas like management, vocational guidance and leadership.

501

54.2 Method

54.2.1 Participants

Participants were 320 (146 female and 174 male) teachers who were employed in different schools in Istanbul and Kocaeli, Turkey. The departments of these teachers were psychological counseling and guidance (n = 25), science education (n = 23), pre-school education (n = 67), computer and instruction technology education (n = 24), primary education (n = 125) and Turkish language education (n = 56) and the mean age of the participants was 30.3.

54.2.2 Procedure

Primarily translation of the CAA into Turkish was based on the recommendations of Savickas and Porfeli (2012). As the first step two specialists who were a native Turkish speaker fluent in English translated English version into Turkish. Discrepancies in initial translations were addressed with the assistance of a third independent translator. The Turkish version of the CAA was then translated back into English by two English-speaking language specialists who were blinded to the original scale and the objective of the study. The differences between translated versions were evaluated and a satisfactory compliance with the original scale was achieved by consensus of the translators. The completed Turkish version was evaluated for cultural appropriateness by three academicians from department of English Language and Literature, controversial items were determined and necessary modifications were done. The updated version was reevaluated by the original group of expert reviewers, to finalize the Turkish version used in this study.

After that a study of language equivalence was executed and then the validity and reliability analyses of the scale were examined. In this study confirmatory factor analysis (CFA) was executed to confirm the original scale's structure in Turkish culture. Also concurrent validity, internal consistency reliability, the itemtotal correlations and the differences between mean scores of upper 27 % and lover 27 % groups were examined. Data were analyzed using LISREL 8.54 and SPSS 17.0 package programs.

A. Akın et al.

54.3 Results

54.3.1 Construct Validity

The results of confirmatory factor analysis indicated that the model was well fit ($x^2 = 504.48$, df = 240, RMSEA = .059, NNFI = .92, CFI = .93, IFI = .93, and SRMR = .049). Factor loadings and path diagram of Turkish version of CAAS are presented in Fig. 54.1.

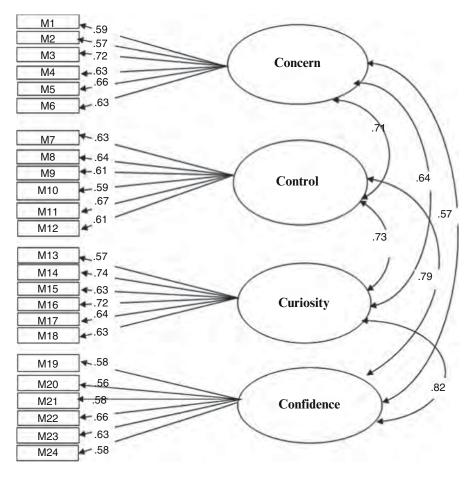


Fig. 54.1 Factor loadings and path diagram for the CAAS

502

| | Corrected item-total | Upper 27 % lower | | Corrected item-total | Upper 27 % lower |
|-------|----------------------|------------------|-------|----------------------|------------------|
| Items | correlation | 27 % group t | Items | correlation | 27 % group t |
| 1. | .57 | 5.78*** | 13. | .56 | 2.87* |
| 2. | .59 | 4.10^{**} | 14. | .60 | 2.73* |
| 3. | .64 | 3.65** | 15. | .55 | 2.13* |
| 4. | .64 | 2.21 | 16. | .42 | 4.40** |
| 5. | .62 | 2.54 | 17. | .60 | 7.98^{***} |
| 6. | .61 | 2.12 | 18. | .66 | 3.65** |
| 7. | .60 | 3.20 | 19. | .57 | 4.95** |
| 8. | .59 | 4.18** | 20. | .57 | 2.31* |
| 9. | .58 | 3.19** | 21. | .54 | 3.88** |
| 10. | .51 | -4.70^{***} | 22. | .67 | 3.41** |
| 11. | .63 | 3.77** | 23. | .60 | 4.74*** |
| 12. | .60 | 2.11* | 24. | .65 | 3.07** |

Table 54.1 The CAAS item-total correlation, *t*-test results differences between each item's meansof upper 27 % and lower 27 % group

****(p < .001); ***(p < .01); *(p < .05)

54.3.2 Reliability

For reliability of the Turkish version of the CAAS internal consistency coefficient was calculated. The Cronbach's Alpha internal consistency of the scale was as .82 for concern sub-scale, .84 for control sub-scale, .86 for curiosity sub-scale, .85 for confidence sub-scale, .93 for whole scale. The corrected item-total correlations of CAAS ranged from .42 to .67. The *t*-test results differences between each item's means of upper 27 % and lower 27 % points were significant (p < .05). The item analysis result and descriptive statistics are presented in Table 54.1.

54.4 Discussion

The purpose of this study was to adapt the CAAS into Turkish and examine its psychometric properties. Confirmatory factor analysis demonstrated that the factor structure was harmonized with the factor structure of the original scale. Thus, it can be said that the structural model of the CAAS which consists of four factors was well fit to the Turkish culture (Bentler and Bonett 1980; Hu and Bentler 1999; Schermelleh-Engel and Moosbrugger 2003). The internal consistency reliability coefficients of the scale were high (Büyüköztürk 2010; Kline 2000). Considering that item total correlations having a value of .30 and higher and significant test results differences between each item's means of upper 27 % and lower 27 % are

generally considered to be adequate in terms of distinguishing between the traits to be measured for construing item total correlation, it is possible to state that item total correlations and *t*-test result regarding the scales are adequate (Büyüköztürk 2010). Overall findings demonstrated that this scale had high validity and reliability scores and that it may be used as a valid and reliable instrument in order to measure the career adapt abilities outcome among low-income job-seeking clients. Nevertheless, further studies that will use CAAS are important for its measurement effectiveness.

References

- Bentler PM, Bonet DG (1980) Significance tests and goodness of fit in the analysis of covariance structures. Psychol Bull 88:588–606
- Büyüköztürk Ş (2010) Sosyal bilimler için veri analizi el kitabı. Pegem Akademi yayınları, Ankara Djaló A (2012) Career adapt-abilities scale–Portugal form: psychometric properties and relationships to employment status. J Vocat Behav 80(3):725–729
- Duarte ME, Soares MC, Fraga S, Rafael M, Lima MR, Paredes I, Agostinho R, Djaló A (2012) Career Adapt-Abilities Scale – Portugal Form: Psychometric properties and relationships to employment status. J Vocat Behav 80:725–729
- Dufy RD (2010) Sense of control and career adaptability among undergraduate students. J Career Assess 18(4):420–430
- Ford DH (1994) Humans as self-constructing living systems, 2nd edn. IDEALS, State College
- Hu LT, Bentler PM (1999) Cutoff criteria for fit indexes in covariance structural analysis: conventional criteria versus new alternatives. Struct Equ Model 6:1–55
- Klehe U, Zikic J, Van Vianen AEM, De Pater IE (2011) Career adaptability, turnover and loyalty during organizational downsizing. J Vocat Behav 79:217–229
- Kline P (2000) Handbook of psychological testing. Routledge, London
- Nota L, Ginevra MC, Soresi S (2012) The career and work adaptability questionnaire (CWAQ): a first contribution to its validation. J Adolescence (article in press) 1–13
- Pouyaud J, Vignoli E, Dosnon O, Lallemand N (2012) Career adapt-abilities scale-France form: psychometric properties and relationships to anxiety and motivation. J Vocat Behav 80(3):692–697
- Rossier J, Zecca G, Stauffer SD, Maggiori C, Dauwalder JP (2012) Career adapt-abilities scale in a French-speaking Swiss sample: psychometric properties and relationships to personality and work engagement. J Vocat Behav 80(3):734–743
- Savickas ML (2005) The theory and practice of career construction. In: Lent RW, Brown SD (eds) Career development and counseling: putting theory and research to work. Wiley, Hoboken, pp 42–70
- Savickas ML, Porfeli EJ (2012) The career adapt-abilities scale: construction, reliability, and measurement equivalence across 13 countries. J Vocat Behav 80:661–673
- Savickas ML, Nota L, Rossier J, Dauwalder JP, Duarte ME, Guichard J, Soresi S, Van Esbroeck R, van Vianen AEM (2009) Life designing: a paradigm for career construction in the 21st century. J Vocat Behav 75:239–250
- Schermelleh-Engel K, Moosbrugger H (2003) Evaluating the fit of structural equation models: tests of significance and descriptive goodness-of-fit measures. Meth Psychol Res Online 8(2):23–74
- Soresi S, Nota L, Ferrari L (2012) Career adapt-abilities scale-Italian form: psychometric properties and relationships to breadth of interests, quality of life, and perceived barriers. J Vocat Behav 80(3):705–711
- Sullivan A, Sheffrin SM (2003) Economics: principles in action. Pearson Prentice Hall, Upper Saddle River

- Teixeira MAP, Bardagi MP, Lassance MCP, Magalhães MO, Duarte ME (2012) Career adapt-abilities scale—Brazilian form: psychometric properties and relationships to personality. J Vocat Behav 80(3):680–685
- Van Vianen AEM, Klehe UT, Koen J, Dries N (2012) Career adapt-abilities scale Netherlands form: psychometric properties and relationships to ability, personality, and regulatory focus. J Vocat Behav 80(3):716–724
- Yousefi Z, Abedi M, Baghban I, Eatemedi O, ve Abedi A (2011) Personal and situational variables, and career concerns: predicting career adaptability in young adults. Span J Psychol 14(1):263–271