

# Almuth D Merkel

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## Summary

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- Enjoy teaching and mentoring students inside and outside the classroom
- Combine economic methodology, data analysis, and information technology
- Emphasize the use of information technologies to bridge the gap between academic research and informed public policy and debate
- Focus on the analysis of the causes and consequences of unequal economic development and the concept of the social market economy

## Education

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- Doctor of Philosophy (PhD) in International Conflict Management** 2021  
**Data Management and Analytics and Economic Analysis of Conflict Concentration**  
Dissertation: The Social Market Economy as a Formula for Peace, Prosperity, and Sustainability  
Kennesaw State University, Kennesaw, USA
- Master of Science (MSc) in Food and Agribusiness** 2017  
Thesis: From Resource Abundance to Hunger and Conflict – The Case of Venezuela  
Anhalt University of Applied Sciences, Bernburg, Germany
- Bachelor of Science (BSc) in Ecotrophology** 2015  
Thesis: Generation-specific Characteristics of Mealtime Behavior – An empirical Study  
Original: Generationsspezifische Merkmale des Mahlzeitenverhaltens – Eine empirische Untersuchung  
Anhalt University of Applied Sciences, Bernburg, Germany

## Certificates

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- Graduate Certificate in Data Management and Analytics** 2020  
Kennesaw State University, Kennesaw, USA
- Analyzing Data with Python** 2020  
Online learning initiative of IBM

## Related Experience

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- Graduate Teaching Assistant** Jan 2020 – May 2021  
Teacher of Record for Contemporary Economic Issues at Department of Economics, Finance, and Quantitative Analysis  
Kennesaw State University, Kennesaw, USA
- Graduate Research Assistant** Jan 2018 – Dec 2019  
Data mining, analysis, and write-up of results at School of Conflict Management, Peacebuilding and Development  
Supervision of capstone projects at Departments of Economics, Finance and Quantitative Analysis and Information Technology  
Kennesaw State University, Kennesaw, USA
- Research Assistant** Oct 2017 – Dec 2017  
Data mining, analysis, and write-up of results at Department of Agricultural Economics and Rural Development  
Georg-August-University, Göttingen, Germany
- Research Visitor** Apr 2017 – May 2017  
Data mining, analysis, and write-up of results at Department of Economics, Finance, and Quantitative Analysis  
Kennesaw State University, Kennesaw, USA

## Technical Skills

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| <b>Statistical Software</b> | Python, R, gretl (hansl), SPSS, SAS          |
| <b>Data Viz Software</b>    | Power BI, Tableau                            |
| <b>Languages</b>            | Python, R, hansl, SQL, JavaScript, HTML, CSS |
| <b>Frameworks</b>           | Flask, Django                                |
| <b>Libraries</b>            | jQuery, Bootstrap, Google Charts, chart.js   |
| <b>Tools</b>                | Git, LaTeX, Markdown                         |

## Courses Taught/ Projects Supervised

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<b>Contemporary Economic Issues</b> Course Modality: Classroom - 100% Teaching Method: Flipped classroom, problem-based learning Department of Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, USA	since Jan 2021
<b>Contemporary Economic Issues</b> Course Modality: Online - Asynchronous Teaching Method: Prerecorded lecture videos, problem-based learning through problem sets and exercises Department of Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, USA	Aug-Dec 2020
<b>Contemporary Economic Issues</b> Course Modality: Classroom - 100% Teaching Method: Alternating between lectures and seminars (problem-based learning), moving to asynchronous online with pandemic Department of Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, USA	Jan-May 2020
<b>IT Undergraduate Capstone Project</b> Project: Web-based data visualization, based on provided migration data Teaching Method: Team-based Learning, project-based Learning Departments of Economics, Finance and Quantitative Analysis and Information Technology, Kennesaw State University, Kennesaw, USA	Jun-Jul 2019
<b>IT Graduate Capstone Project</b> Project: Web-based data visualization and simulation tool, impact of food insecurity on income per capita through the education channel Teaching Method: Team-based Learning, project-based Learning Departments of Economics, Finance and Quantitative Analysis and Information Technology, Kennesaw State University, Kennesaw, USA	Jan-May 2019
<b>IT Undergraduate Capstone Project</b> Project: Web-based data visualization and simulation tool, impact of conflict on income per capita through the education channel Teaching Method: Team-based Learning, project-based Learning Departments of Economics, Finance and Quantitative Analysis and Information Technology, Kennesaw State University, Kennesaw, USA	Jan-May 2019
<b>IT Graduate Capstone Project</b> Project: Web-based data visualization and simulation tool, impact of social market economic conform policy changes on income per capita Teaching Method: Team-based Learning, project-based Learning Departments of Economics, Finance and Quantitative Analysis and Information Technology, Kennesaw State University, Kennesaw, USA	Aug-Dec 2018
<b>IT Undergraduate Capstone Project</b> Project: Web-based data visualization and simulation tool, impact of changes in human development indicators on income per capita Teaching Method: Team-based Learning, project-based Learning Departments of Economics, Finance and Quantitative Analysis and Information Technology, Kennesaw State University, Kennesaw, USA	Jan-May 2018

## Teaching Evaluation

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<b>Overall, I would rate this instructor as effective</b> Scale: 1 (strongly disagree)-5 (strongly agree) Response Count: 32 Mean: 4.0 Median: 4.0	Aug-Dec 2020
<b>Overall, I would rate this instructor as effective</b> Scale: 1 (strongly disagree)-5 (strongly agree) Response Count: 20 Mean: 3.9 Median: 4.0	Aug-Dec 2020

## Professional Experience

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<b>Graduate Teaching Assistant</b> Responsibilities: Teacher of Record for Contemporary Economic Issues Department of Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, USA	Since Jan 2020
<b>Graduate Research Assistant</b> Responsibilities: Data mining, analysis, and write-up of results, supervision of capstone projects School of Conflict Management, Peacebuilding and Development, Departments of Economics, Finance and Quantitative Analysis and Information Technology, Kennesaw State University, Kennesaw, USA	Jan 2018 – Dec 2019

<b>Research Assistant</b> Responsibilities: Data mining, analysis, and write-up of results Department of Agricultural Economics and Rural Development, Georg-August-University, Göttingen, Germany	Oct 2017 – Dec 2017
<b>Research Visitor</b> Responsibilities: Data mining, analysis, and write-up of results Department of Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, USA	Apr 2017 – May 2017
<b>Lab Assistant</b> Responsibilities: Tutor lab for food technology Department of Food and Nutrition Sciences, Anhalt University of Applied Science, Bernburg, Germany	Apr 2016 – Jul 2016
<b>Intern for Amistad con Nicaragua</b> Responsibilities: Nutrition consultant and instructor of nutrition science Casa de la Mujer and Centro de Salud, La Paz Centro, Nicaragua	Apr 2015 – Jul 2015
<b>International Student Mentor</b> Responsibilities: Assist with administrative requirements for settling in Germany Anhalt University of Applied Sciences, Bernburg, Germany	Oct 2014 – Mar 2015
<b>Intern for Administration of Food Service Facilities</b> Responsibilities: Quality and allergen management Administration of Food Service Facilities, Studierendenwerk Göttingen, Germany	Apr 2014 – Jun 2014
<b>Research Visitor</b> Responsibilities: Research nutritional use of Ipomea Batata, Hygiene lectures in rural areas Faculty of Chemistry, Biology and Pharmacy, Benemérita Universidad Autónoma de Puebla, México	Aug 2013 – Oct 2013
<b>Intern for Administration of Food Service Facilities</b> Responsibilities: Assist management of food production and delivery Administration of Food Service Facilities, Studierendenwerk Göttingen, Germany	Feb 2012 – Mar 2012
<b>Volunteer for Day care center “Jardín Naciente”</b> Responsibilities: Assisting in early childhood education Day care center Jardín Naciente, Fundación Cristo Vive, Santiago de Chile, Chile	Aug 2010 – Aug 2011

## Honors, Awards, and Fellowships

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<b>Outstanding Scholar Award</b> School of Conflict Management, Peacebuilding and Development, Kennesaw State University, Kennesaw, USA	2021
<b>Summer Research Fellow</b> Awarded for research service on "The Economic Burden of Labor Market Mismatch" Education Economics Center, Kennesaw State University, Kennesaw, USA	Jun 2020 - Jul 2020
<b>Recognition of Contribution to the 2019 Research Symposium on Homeland Security</b> Granted for presentation of "Socioeconomic Impact Estimations - Conflict, Empty Stomachs, Empty Classrooms, Empty Wallets" Coles College of Business, Kennesaw State University, Kennesaw, USA	Oct 2019
<b>Summer Research Fellow</b> Awarded for research service on "From Conflict to Empty Stomachs, Empty Classrooms, and Empty Wallets" Education Economics Center, Kennesaw State University, Kennesaw, USA	Jun 2019 - Jul 2019
<b>Recognition of Contribution to the 2018 Research Symposium on Homeland Security</b> Granted for presentation of "Impact of Economic Freedom Visualization and Simulation Tool" Coles College of Business, Kennesaw State University, Kennesaw, USA	Oct 2018
<b>Summer Research Fellow</b> Awarded for research service on developing an "Impact of Economic Freedom Visualization and Simulation Tool" Bagwell Center for the Study of Markets and Economic Opportunity, Kennesaw State University, Kennesaw, USA	Jun 2018 - Jul 2018

## Membership in Professional Organizations

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<b>Middle East Economic Association</b>	Jun 2017 – present
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## Publications

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### *Refereed Journal Articles*

- From Conflict to Empty Stomachs, Empty Classrooms, and Empty Wallets** accepted for publication Jan 2021  
M. Marktanner, A. Merkel  
Journal of Economic Policy in Emerging Economies
- Conflict and aid dependency—an explorative study motivated by the case of Palestine** Jul 2019  
M. Marktanner, A. Merkel  
Journal of Development Effectiveness, 11 (3), 253-272.
- Hunger and Anger in Autocracies and Democracies** Jun 2019  
M. Marktanner, A. Merkel  
International Journal of Development and Conflict, 9(1), 1-18.
- Estimating child mortality attributable to war in Yemen** Sep 2018  
D. Jenkins, M. Marktanner, A. Merkel, D. Sedik  
International Journal of Development Issues, 17(3), 372-383.

### *Book Chapter*

- Economic Issues in International Conflict Management** Dec 2019  
M. Marktanner, A. Merkel, L. Noiset  
in Butcher, C. & Hallward, M.C. (Eds.). Understanding International Conflict Management, Routledge.
- Ordnungspolitik und Sozialverfassung** Nov 2019  
M. Marktanner, A. Merkel  
in Maihold, G., Sangmeister, H. & Werz, N. (Eds.). Handbuch für Wissenschaft und Studium, Nomos.

### *Other published Work*

- Hunger and Anger in Autocracies and Democracies** Oct 2018  
M. Marktanner, A. Merkel  
Coles College of Business Working Paper Series, Fall 2018 Special Issue, Kennesaw State University.  
Link: <http://coles.kennesaw.edu/research/docs/fall-2018-si/SIFALL18-08.pdf>
- Conflict and Aid Dependency – An Explorative Study Motivated by the Case of Palestine** Oct 2018  
M. Marktanner, A. Merkel  
Coles College of Business Working Paper Series, Fall 2018 Special Issue, Kennesaw State University.  
Link: <http://coles.kennesaw.edu/research/docs/fall-2018-si/SIFALL18-07.pdf>
- Estimating Child Mortality Attributable to War in Yemen** Oct 2018  
D. Jenkins, M. Marktanner, A. Merkel, D. Sedik  
Coles College of Business Working Paper Series, Fall 2018 Special Issue, Kennesaw State University.  
Link: <http://coles.kennesaw.edu/research/docs/fall-2018-si/SIFALL18-06.pdf>

### *Web Applications*

- The Social Market Economy as a Formula for Peace, Prosperity and Sustainability** Dec 2020  
Interactive Web Application  
A. Merkel  
Link: <http://almuthmerkel.com/SMEX/>
- The Economic Burden of Human Capital Mismatch** Jul 2020  
Interactive Web Application  
A. Merkel  
Link: <http://almuthmerkel.com/MMX/>

<b>Death by Revolution? The Economic and Socioeconomic Impact of the Arab Uprising</b> Interactive Web Application A. Merkel Link: <a href="http://almuthmerkel.com/ArabUprising/">http://almuthmerkel.com/ArabUprising/</a>	Dec 2019
<b>From Conflict to Empty Stomachs and Empty Classrooms to Empty Wallets</b> Interactive Web Application A. Merkel Link: <a href="http://almuthmerkel.com/EmptyWallets/">http://almuthmerkel.com/EmptyWallets/</a>	Jul 2019
<b>The Economic Dividend from Economic Freedom Simulator</b> Interactive Web Application A. Jandhyala, A. Merkel Link: <a href="https://coles.kennesaw.edu/econopp/economicfreedomdividend/">https://coles.kennesaw.edu/econopp/economicfreedomdividend/</a>	Jul 2018

### *Visualizing Theory*

<b>An Epidemiological Dynamics Simulator</b> Interactive Web Application A. Merkel Link: <a href="http://almuthmerkel.com/EPI/">http://almuthmerkel.com/EPI/</a>	Mar 2020
<b>The Solow-Growth Model and the Economic Impact of War</b> Interactive Web Application A. Merkel Link: <a href="http://almuthmerkel.com/WarSimulator/">http://almuthmerkel.com/WarSimulator/</a>	Oct 2019

### **Presentations**

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#### *Refereed Conference Presentations*

<b>The Third Revolutionary's Socioeconomic Trace in the Arab Uprising</b> Paper A. Merkel 40th MEEA/ASSA Annual Meeting, Allied Social Sciences Association and Middle East Economic Association San Diego, USA, 1/4/2020	Jan 2020
<b>Death by Revolution: Estimating the Socioeconomic Burden of the Arab Uprising</b> Paper A. Merkel 94th MEEA/WEAI Annual Meeting, Western Economics Association International and Middle East Economic Association San Francisco, USA, 7/1/2019	Jul 2019
<b>Palestine - Conflict and Aid Dependency as a Source of Income?</b> Paper A. Merkel 39th MEEA/ASSA Annual Meeting, Allied Social Sciences Association and Middle East Economic Association Atlanta, USA, 1/7/2019	Jan 2019
<b>The Burden of War on Child Mortality: The Case of Yemen</b> Paper A. Merkel, M. Marktanner 93rd MEEA/WEAI Annual Meeting, Western Economics Association International and Middle East Economic Association Vancouver, Canada, 6/30/2018	Jun 2018
<b>Palestine – 100% Aid Dependent?</b> Paper A. Merkel, M. Marktanner 93rd MEEA/WEAI Annual Meeting, Western Economics Association International and Middle East Economic Association Vancouver, Canada, 6/30/2018	Jun 2018

*Non-Refereed Conference Presentations*

- Socioeconomic Impact Estimations - Conflict, Empty Stomachs, Empty Classrooms, Empty Wallets** Oct 2019  
Poster  
A. Merkel  
2019 Research Symposium on Homeland Security, Coles College of Business, Kennesaw State University  
Kennesaw, USA, 10/10/2019
- The Use of Interactive Socioeconomic Data Visualization for a More Informed Public Debate** Oct 2018  
Lecture  
A. Merkel, M. Marktanner  
6th Edition of the International Conference in Software Engineering Research and Innovation CONISOFT  
San Luis Potosi, Mexico, 10/25/2018
- Impact of Economic Freedom Visualization and Simulation Tool** Oct 2018  
Poster  
A. Merkel  
2018 Research Symposium on Homeland Security, Coles College of Business, Kennesaw State University  
Kennesaw, USA, 10/11/2018