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**Girum Dagnachew Abate – Curriculum Vitae**

The Center for Spatial Data Science  
 The University of Chicago  
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EDUCATION

**Aarhus University**, Aarhus, Denmark

Ph.D., Economics, Apr 2016

- Thesis Topic: *Essays in Spatial Econometrics*
- Advisors: Bent Jesper Christensen and Niels Haldrup

**Aarhus University**, Aarhus, Denmark

M.Sc., Quantitative Economics (elite program), Oct 2012

- Thesis Topic: *Financial integration, macroeconomic volatility and growth: A spatial econometrics perspective*
- Advisor: Bent Jesper Christensen

**Groningen University**, Groningen, The Netherlands

M.Sc., Economics, Aug 2010

- Thesis Topic: *Growth, human capital and spillovers in a Mankiew-Romer-Weil model from a spatial econometrics perspective*
- Advisor: Paul Elhorst

**Bahir Dar University**, Bahir Dar, Ethiopia

B.A., Economics, Jul 2006

- Distinction (won Gold Medal of the University)

**Montgomery College**, Rockville, Maryland

Certificate, Advanced Grant Proposal Writing, Jan 2017

RESEARCH INTERESTS

Spatial and Spatio-Temporal Data Analysis, Regional and Spatial Econometrics/Statistics, Housing Economics, Energy Economics, Time Series Econometrics

RESEARCH EXPERIENCE

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|--------------------------------|---|---------------------|
| <b>Fellow</b>                  | The Center for Spatial Data Science<br>The University of Chicago  | Mar 2017 - present  |
| <b>Junior Research Fellow</b>  | Center for Research in Econometric Analysis of Time Series<br>Department of Economics and Business Economics<br>Aarhus University | Dec 2016 - present  |
| <b>Postdoctoral Researcher</b> | GeoDa Center for Geospatial Analysis and Computation<br>Arizona State University<br>Supervisor: Luc Anselin                       | Feb 2016 - Jul 2016 |
| <b>Visiting Scholar</b>        | GeoDa Center for Geospatial Analysis and Computation<br>Arizona State University<br>Supervisor: Luc Anselin                       | Jan-May 2015        |
| <b>Ph.D. Research Fellow</b>   | Department of Economics and Business Economics<br>Aarhus University<br>Supervisors: Bent Jesper Christensen and Niels Haldrup     | Feb 2013 - Jan 2016 |

	<b>Research Assistant</b>	Oct 2012 - Feb 2013
	Department of Economics and Business Economics Aarhus University Supervisor: Bent Jesper Christensen	
	<b>Assistant to a Researcher</b>	Jul 2005 - Sep 2005
	Ethiopian Economic Policy Research Institute Ethiopian Economic Association Supervisor: Worku Gebeyehu	
VISITING POSITIONS	<ul style="list-style-type: none"> <li>• <b>Visitor</b>, World Bank, Macroeconomics and Growth Team</li> <li>• <b>Visitor</b>, University of West Virginia, Regional Research Institute</li> <li>• <b>Visitor</b>, University of Copenhagen, Department of Food and Resource Economics</li> <li>• <b>Visitor</b>, the Catholic University of the Sacred Heart, Spatial Econometrics Institute</li> </ul>	<p>Apr 2016</p> <p>Mar 2015</p> <p>Aug 2014</p> <p>Advanced May 2013</p>
TEACHING EXPERIENCE	<p><b>Lecturer</b></p> <p>International Economics Department of Economics and Business Economics Aarhus University</p> <p><b>Teaching Assistant</b></p> <p>Macroeconomics Department of Economics and Business Economics Aarhus University</p> <p><b>Teaching Assistant</b></p> <p>International Economics Department of Economics and Business Economics Aarhus University</p> <p><b>Assistant Lecturer</b></p> <p>Mathematical Economics Department of Economics Bahir Dar University</p>	<p>Fall 2014</p> <p>Spring 2014</p> <p>Fall 2013</p> <p>2006-2009</p>
TEACHING SKILL COURSES TAKEN	<ul style="list-style-type: none"> <li>• Lecturing and presentations skills, Aarhus University</li> <li>• Learner Centered Method of Instruction and Measurement in Higher Learning Institutions, Bahir Dar University</li> </ul>	<p>Aug 2014</p> <p>Dec 2006</p>
REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none"> <li>1. <b>Abate, G.D.</b>, and Haldrup, N., (2016) "Space-time modeling of electricity spot prices." <i>Forthcoming, The Energy Journal</i>.</li> <li>2. <b>Abate, G.D.</b>, (2016) "Spatio-temporal dynamics of house prices in the U.S." <i>Letters in Spatial and Resource Sciences</i>. DOI: 10.1007/s12076-016-0177-3.</li> <li>3. <b>Abate, G.D.</b>, (2016) "On the Link between Volatility and Growth: A Spatial Econometrics Approach." <i>Spatial Economic Analysis</i>, 11: 27-45.</li> </ol>	
WORKING PAPERS	<ol style="list-style-type: none"> <li>1. <b>Abate, G.D.</b>, (2016) "Energy consumption and output dynamics: Evidence from a panel of 51 U.S. States." <i>GeoDa Working Paper 2016, Number-3</i>.</li> <li>2. <b>Abate, G.D.</b>, (2016) "A Spatial Analysis of Poverty and Unemployment: Evidence from U.S. Counties." <i>GeoDa Working Paper 2016, Number-2</i>.</li> <li>3. <b>Abate, G.D.</b>, and Anselin, L., (2016) "House price fluctuations and the business cycle dynamics." <i>CREATES Research Paper 2016-6</i>.</li> <li>4. <b>Abate, G.D.</b>, and Antonakakis, N., (2015) "The Spatial Dynamics of the Relationship Between Volatility and Growth Evidence from Danish Provinces." <i>Revise and resubmit, Letters in Spatial and Resource Sciences</i>.</li> <li>5. <b>Abate, G.D.</b>, and Haldrup, N., (2015) "Space-time modeling of electricity spot prices." <i>CREATES Research Paper 2015-22</i>.</li> </ol>	

PAPERS IN  
PREPARATION

1. **Abate, G.D.** “Estimation of spatial autoregressive models with an endogenous explanatory variable.”
2. **Abate, G.D.**, Servn, L. “Asset price price fluctuations and synchronization.”
3. **Abate, G.D.**, “On the estimation of house price and income.”

AWARDS

Ph.D. dissertation awards — Aarhus University, Graduate School

- Ph.D. dissertation timely completion award Apr 2016
- Ph.D. dissertation chapter publication award Apr 2016
- Ph.D. Fellowship award Feb 2013-Jan 2016

Student awards

- Danish State Scholarship for MSc in Economics, Aarhus University 2010-2012
- Netherlands Fellowship for MSc in Economics, Groningen University 2009-2010
- Gold Medal for being top 1% of the academic year, Bahir Dar University 2006
- Best Student of the Academic Year, Bahir Dar University 2005
- Great Idea Award in Development Economics, Bahir Dar University 2005
- Summer Internship award, Ethiopian Economic Association 2005

PRESENTATIONS

1. March 2016, Abate, G.D., “House price fluctuations and the business cycle dynamics”, GeoDa Center for Geospatial Analysis and Computation, Arizona State University.
2. November 2015, Abate, G.D. and Anselin, L., “House price fluctuations and the business cycle dynamics”, The 62<sup>nd</sup> meeting of North American Regional Science Association International, Portland, Oregon.
3. November 2015, Abate, G.D., “House price fluctuations and the business cycle dynamics”, The Danish Graduate Programme in Economics Workshop, Sandbjerg, Denmark.
4. April 2015, Abate, G.D., “House price fluctuations and the business cycle dynamics”, Department of Economics, Arizona State University.
5. March 2015, Abate, G.D., “On the Link between Volatility and Growth: A Spatial Econometrics Approach”, Regional Research Institute, University of West Virginia.
6. February 2015, Abate, G.D., “On the Link between Volatility and Growth: A Spatial Econometrics Approach”, The 54<sup>th</sup> Western Regional Science Meeting, Tucson, Arizona.
7. January 2015, Abate, G.D., “Space-time modeling of electricity spot prices”, GeoDa Center for Geospatial Analysis and Computation, Arizona State University.
8. November 2014, Abate, G.D., “On the Link between Volatility and Growth: A Spatial Econometrics Approach”, The 61<sup>st</sup> meeting of North American Regional Science Association International, Washington, D.C.
9. October 2014, Abate, G.D., “Space-time modeling of electricity spot prices”, Center for Research in Econometric Analysis of Time Series (CREATES), Aarhus University, Lunch Seminar.
10. April 2014, Abate, G.D., “On the Link between Volatility and Growth: A Spatial Econometrics Approach”, The 13<sup>th</sup> International Workshop on Spatial Econometrics and Statistics, Toulon, France.
11. November 2013, Abate, G.D., “On the Link between Volatility and Growth: A Spatial Econometrics Approach”, The Danish Graduate Program in Economics Workshop, Fyn, Denmark.

PHD COURSES  
TAKEN (SELECTED)

- Advanced Microeconomic Theory Spring 2013
- Stochastic Control and its Applications in Finance Spring 2013
- PhD course in macroeconomics Spring 2012
- Advanced Financial Economics Spring 2012

SHORT PHD COURSES TAKEN (SELECTED)	<ul style="list-style-type: none"> <li>• Financial Markets with Frictions,</li> <li>• Spatial Econometric Analysis and Spatial Data Management,</li> <li>• Weak Identification in the Linear Instrumental Variables Regression Model,</li> <li>• Spatial Econometrics II, Rome, Italy,</li> <li>• Low Frequency Econometrics, Aarhus, Denmark,</li> <li>• Identification and Forecasting in Mortality Models,</li> <li>• Economic Modeling and Inference,</li> </ul>	<p>Oct 2014 Aug 2014 Apr 2014 May 2013 Jan 2013 Apr 2012 Aug 2011</p>
REFeree SERVICES	<ul style="list-style-type: none"> <li>• Regional Science and Urban Economics</li> <li>• Papers in Regional Science</li> <li>• Journal of Economic Growth</li> </ul>	<p>2016 2016 2013</p>
PROGRAMMING SKILLS	<ul style="list-style-type: none"> <li>• Matlab, Stata, R</li> <li>• GIS, GeoDa</li> </ul>	
LANGUAGE SKILLS	<ul style="list-style-type: none"> <li>• Amharic, native</li> <li>• English, fluent</li> <li>• Danish, beginner</li> </ul>	
REFERENCES	<ul style="list-style-type: none"> <li>• Professor Luc Anselin, University of Chicago anselin@uchicago.edu</li>   <li>• Professor Niels Haldrup, Aarhus University nhaldrup@econ.au.dk</li>   <li>• Dr. Julia Koschinsky, University of Chicago jkoschinsky@uchicago.edu</li> </ul>	