

Mohamed Abouel Ela Abdou
moabdou71@yahoo.com

Contact Information

Correspondence Address: Department of Social Science Computing
Faculty of Economics and Political Science,
Cairo University,
Giza,
Egypt

Telephone: 0199909264

Background

My broad area of interest is social simulation, and agent-based modelling in particular. A major part of my PhD was developing an agent-based simulation model to describe the dynamics and emergence of ethnic segregation on both workplaces and social networks of individuals. I have B.Sc. and M.Sc. in statistics, during which I have some advanced courses in statistical analysis.

I have good computer skills. I have a Diploma in computer science from the Information Technology Institute (ITI) during which I had extensive courses on programming languages (e.g., C++, Java, and Visual Basic), computer networks, databases, operating systems, web developing, and other courses. I have advanced knowledge of MS Office applications and statistical packages (e.g., SPSS and Stata). Besides, I have good experience in developing commercial software. For example, I was the team leader in developing a library management system that is currently used by library of the Cabinet and some universities in Egypt.

I had worked for more than nine years (1996-2005) in many large-scale social and economic surveys (both quantitative and qualitative). During these surveys I had various duties including: developing survey instruments: questionnaires, training manuals, etc.; training and supervising fieldwork staff; developing databases for surveys and supervising data entry and data processing activities, writing research reports, and maintaining and updating research websites.

I also have some teaching experience that, in addition to my work experience, enriched my communication and presentation skills.

Education

- 2005-2009 **PhD**
Thesis title: “Determinants and Dynamics of Social And Workplace Segregation: A Simulation Study”

Centre for Research in Social Simulation, Department of Sociology,
University of Surrey
Principal Supervisor: **Prof. Nigel Gilbert**, one of the founders of social simulation research:
<http://www.soc.surrey.ac.uk/staff/ngilbert/index.html>,
http://en.wikipedia.org/wiki/Nigel_Gilbeert
- 1999-2003 **M.Sc. in Statistics – Grade: Excellent**
Thesis title: “A Multi-Objective Programming Approach for Optimizing the Sizes and Selection of Surveys Samples”
Faculty of Economics and Political Science, Cairo University – Egypt
- Apr 1997-Feb 1998 **Diploma in Computer Science: Software Skills Development Program (SSDP9)**
Information Technology Institute (ITI), Cairo, Egypt
The program covered a wide range of programming languages, web development, computer networks, database development, and operating systems.
- 1990-1994 **B.Sc. in Statistics – Grade: Very Good**
Faculty of Economics and Political Science, Cairo University – Egypt

Publications

- Abdou M, Hamill L, Gilbert N. 2009. Designing and Building an Agent-Based Model. In *Spatial Agent-based Models: Principles, Concepts and Applications*, ed. A Heppenstall, M Batty, A Crooks (forthcoming)
- Abdou M, Gilbert N. 2009. Modelling the Emergence and Dynamics of Social and Workplace Segregation. *Special issue on Social Simulation. Mind & Society* Volume 8, Issue 2 [DOI:10.1007/s11299-009-0056-3]
- Abdou M, Gilbert N. 2008. Agent-Based Simulation Model for Social and Workplace Segregation, *Proceedings of the 8th Annual Conference of European Social Simulation Assoc.*, Brescia, Sep. 2008
- Abdou M, Hamid R, Selim K. 2003. A Multi-objective programming approach for optimizing the sizes and selection of survey samples, *Proceedings of the 13th Annual Conference on Statistics and Computer Modeling in Human and Social Sciences*, Faculty of Economics and Political Science, Cairo University, Cairo 2003

Current Position

Teacher
Department of Social Science Computing
Faculty of Economics and Political Science, Cairo University
Demonstration of Computing and Statistics courses

Teaching Experience

- Sep 2008-Apr 2009 Tutor
Department of Sociology, University of Surrey
Demonstration of quantitative methods, level 2.
- 1995-2005 Senior Teaching Assistant
Department of Social Science Computing
Faculty of Economics and Political Science, Cairo University
Demonstration of Computing and Statistics courses

Other Work Experience

- Sep 2009-May 2010 Research Fellow
Centre for Research in Social Simulation, Department of Sociology,
University of Surrey
- 2001 – 2005 Data Processing Specialist
Social Research Centre (SRC), American University in Cairo (AUC)
Duties included:
- Developing databases for social surveys
- Supervising data entry and data processing activities
- Statistical analysis and writing of final reports
- The maintenance of the website
- 1996 – 2001 Research Assistant: Egypt Demographic and Health Survey (EDHS)
National Population Council, Cairo, Egypt.
Duties included:
- Developing databases for the EDHS survey
- Supervising data entry and data processing activities
- Training of fieldwork staff
- Developing questionnaires and other research materials
- Statistical analysis and writing of final reports
- 2004-2005 Data Processing Specialist
Arab Network for NGOs
Duties included:
- General IT support
- The maintenance of the database
- The maintenance and update of the website:
<http://www.shabakaegypt.org/>

Professional Membership

Member of the European Social Simulation Association

Training and Workshops

- Quality Commons Workshop, Maison De La Recherche, Paris, 28-29 Jan 2010.
- Training School for Early Stage Researchers: RESEARCHING SOCIAL MEDIA, during 31st Mar – 2nd Apr 2009, University of Udine, Italy
- Workshop in Collection and Analysis of Data, National Population Council (NPC), Mar 2001.
- Data Processing Procedures Workshop, Macro International Inc., Washington DC, USA. May 1999.
- Workshop in Sampling Procedures, El-Zanaty & Associates, Giza, Egypt, May 1997.

References

Referee 1	Name	<i>Nigel Gilbert</i>
	Position	<i>Professor, Department of Sociology, University of Surrey</i>
	Address	<i>Department of Sociology, University of Surrey</i>
		<i>Guildford, Surrey</i>
		<i>GU2 7XH</i>
	Tel	<i>(+44)01483 689173</i>
Email	<i>n.gilbert@surrey.ac.uk</i>	
Referee 2	Name	<i>Ramadan Hamid</i>
	Position	<i>Professor of Statistics, Faculty of Economics & Political Science, Cairo University</i>
	Address	<i>Faculty of Economics & Political Science</i>
		<i>Cairo University, Giza</i>
		<i>Egypt</i>
	Tel	<i>(+20)235728116</i>
Email	<i>ramadhanamid@yahoo.com</i>	
Referee 3	Name	<i>Katharine Tyler</i>
	Position	<i>Lecturer in Race and Ethnicity</i>
	Address	<i>Department of Sociology, University of Surrey</i>
		<i>Guildford, Surrey</i>
		<i>GU2 7XH</i>
	Tel	<i>(+44)01483 686964</i>
Email	<i>k.tyler@surrey.ac.uk</i>	