

**RANA HENDY**  
ECONOMIC RESEARCH FORUM  
UNIVERSITY OF PARIS 1 PANTHÉON SORBONNE  
PARIS SCHOOL OF ECONOMICS  
CAIRO UNIVERSITY

CURRICULUM VITAE, FEBRUARY 2011

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PROFESSIONAL DETAILS

ECONOMIC RESEARCH FORUM  
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PERSONAL DETAILS

EGYPTIAN  
DATE OF BIRTH : 01/10/1983  
21, STREET 292, NEW MAADI  
CAIRO- EGYPT  
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RESEARCH INTERESTS

LABOR ECONOMICS, MICROECONOMETRICS, GENDER ISSUES AND EVALUATION OF PUBLIC POLICIES

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PROFESSIONAL EXPERIENCE

- Since Jan. 2011      Economist, Economic Research Forum (ERF).  
Mission: Responsible of the firm-level data. The work consists in doing research and drafting reports and publications on the topic.
- 2007-2010      Ph.D in Economics, Microeconometrics department, CREST.
- Summer 2007      Research Internship in the Population Council, Cairo, Egypt.  
Mission: Poverty, Gender and Youth Program- Research related to household dynamics, women empowerment and child investment. I was reporting to Dr. Ragui Assaad (WANA Regional Director) and Dr. Rania Roushdy.

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FELLOWSHIPS AND AWARDS

- 2010-2011      Research Grant from Gender Economic Research and Policy Analysis (GERPA), for the paper "Evaluation of the Two-Child Policy in Egypt: The Impact of the Time Cost of Children on Mothers' Participation and Well-Being".
- 2009-2010      Research Grant from the Population Council and the International Development and Research Center (IDRC), for the paper "Rethinking the Effects of Marriage on Time Allocation of Egyptian Women: A Matching Analysis".
- 2009-2010      Research Grant, Gender Economic Research and Policy Analysis (GERPA), for the paper "Assessing the effects of trade liberalization on Wage Inequalities in Egypt: A Microsimulation Analysis".
- 2006-2009      Full Doctoral Scholarship, French National Institute of Statistics and Economic Studies- CREST- INSEE.

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## EDUCATION

- Sept. 2010     **Ph.D in Economics**, University of Paris 1 Pantheon Sorbonne (PSE).  
Title: Gender, Labor Supply and Evaluation of Public Policies: Approach of the Egyptian Case.  
Supervisor: Prof. Catherine Sofer (University of Paris 1 Pantheon Sorbonne).  
Commitee: Prof. Ragui Assaad (Minnesota University), Prof. Pierre-André Chiappori (Colombia university), Prof. Lionel Fontagné (PSE and CEPII), Prof. Thierry Kamionka (CNRS and CREST), Prof. Veronique Simonnet (University of Paris 1 Pantheon Sorbonne).
- 2005 – 2006     **M.A in Economics**, Paris School of Economics, France  
Specialization: Quantitative Economics- Microeconomics, Economics of the Household and Public Economics.
- 2001 - 2005     **B.A. in Economics**, Cairo University, Faculty of Economics and Political Science, French section, Egypt.

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## WORKING PAPERS AND PUBLICATIONS

### **“On Collective Models of Labor Supply”**

*CES Working Paper N. 2010. Submitted: in revision.*

**Abstract.** This paper examines the intrahousehold resource allocation in Egyptian married couples and its impact on females’ labor supply. A collective model of labor supply is estimated using data from the Egyptian Labor market and Panel Survey of 2006. The possibility of non- participation as well as the domestic production are modeled. The originality of this paper consists on testing new distribution factors. Those are variables that affect the intrahousehold allocation of resources without affecting preferences or the budget constraint. The model’s identification relies on the assumption that only some parameters of the utility function are identical for single and married females. Results show that the *moakhar* (amount of money to be paid upon divorce) is a convenient measure of women empowerment. More empowered women spend more hours in the labor market and less on domestic activities.

**Keywords:** Collective models, Distribution factors, Identification, Egypt.

**JEL classification:** D12, J16, J22.

### **“Rethinking the effects of Marriage on Time Allocation of Egyptian Women: A Matching Analysis”**

*CES Working Paper N. 2010.34. Submitted.*

**Abstract.** The present research explores the extremely biased division of labor within Egyptian households. Time activities in respect of paid and unpaid work are an important aspect of this study. The classical dichotomy of “work in the market” versus “leisure” may serve as a good approximation of the role the male plays in the production activity of the household but does gross injustice to the female since it overlooks the whole time she spends, outside the market, on domestic activities. A Propensity Score matching model is estimated using time use data available, only for women, in the Egyptian Labor Market and Panel Surveys of 1998 and 2006. Empirical results show that marriage, as a treatment, increases by 30 hours the women’s domestic labor supply and decreases by about 10 hours the time spend in the labor market.

**Keywords:** Time Allocation, Domestic Production, Matching, Egypt.

**JEL classification:** D13, J16, J22, C41.

**“Assessing the Effects of Trade Liberalization on Wage Inequalities in Egypt: A Microsimulation Analysis”** with Chahir Zaki (Paris School of Economics, France)  
*Document de travail CREST. Submitted.*

**Abstract.** This paper aims at evaluating the liberalization policies effects on wage inequality in Egypt. Gender, geographical and skill dimensions are used to break down labor into eight segments. The microsimulation approach is a good tool that allows such an evaluation and determines the effects of macro policies on wage inequalities between the different segments at the individual level. This paper simulates the effect of a partial liberalization in Egypt which implies a reduction of tariffs by 50 percent. Results show that the effect of trade liberalization policies depends on the characteristics of the individual and the working sector. Thanks to the expansion of textiles, garments, chemical and services, inequality decreases for urban and rural skilled men as well as skilled and unskilled women working in urban areas. By contrast, inequality increases among unskilled men and skilled women in rural areas.

**Keywords:** Micro-simulation, trade liberalization, inequality, gender, Egypt.

**JEL classification:** D22, J01, J16, F15

### **“Marriage and Labor Market Transitions: A Structural Dynamic Model”**

**Abstract.** This paper estimates a structural dynamic model that aims at analyzing the direct impact of marriage on women’s labor market transitions. Four labor market alternatives are considered in the study. These are the public sector, the private sector, the subsistence sector and the non-employment. A structural dynamic model is estimated using data from the Egyptian Labor Market Panel Surveys of 1998 and 2006 as well as the retrospective information on the same individuals from 1990. The estimated using Maximum Likelihood. The results compare between the model with individuals’ unobserved heterogeneity and the one without. Interestingly, the results show greater state dependence for public than for private sector’s workers. Also, being married decreases the probability of working in the private sector rather than to be inactive by about 30 percent. And, for the public sector’s employment, this same probability decreases by only 18 percent points.

**Keywords:** Dynamic models, Endogeneity, Unobserved heterogeneity, Egypt.

**JEL classification:** C14, C33, C35, J21, J88.

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#### WORK IN PROGRESS

“On Entry, Exit and Firm Dynamics in the ERF Region”

“On Productivity and Development of the SMEs: New Evidence from Egypt” co-authored with C. Zaki.

“Marriage and Labor Dynamics: Egypt Versus Jordan” co-authored with Ragui Assaad.

“Evaluation of the Two-Child Policy in Egypt: The Impact of the Time Cost of Children on Mothers' Participation and Well-Being” with R. Assaad (University of Minesota).

“Multidimensional poverty and gender in Egypt: Is there any nexus?” with C. Zaki (University of Paris 1- Pantheon- Sorbonne).

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## PRESENTATIONS

### MEETINGS

- Italian Congress of Econometrics and Empirical Economics, Ancona, Italy. 01/2009.
- Journées de Microéconomie Appliquée (JMA), Dijon, France. 06/ 2009.
- Economic Research Forum's 16<sup>th</sup> annual conference, Cairo, Egypt. 11/ 2009.
- Translating Research into Action conference. World Bank and the GERPA project. Harvard University, Boston, USA. 11/2009.
- ASSA and MEEA annual meeting, Atlanta, G.A, USA. 01/ 2010.
- Dissemination Conference organized by the Population Council on Gender and Work in the MENA region. Cairo, Egypt. 03/2010.
- Colloque sur les Développements Récents en Economie de la Famille, INED. Paris, France. 03/2010.
- 3rd Euro-African Conference in Finance and Economics, Paris, France. 06/2010.
- African Econometrics Society Annual Conference, AUC, Cairo, Egypt. 07/2010.
- GDR DREEM Conference, Cairo, Egypt. 12/ 2010.
- ASSA and MEEA annual meeting, Denvers, USA. 01/ 2011.

### SEMINARS

- CREST Internal Seminar, Micro-econometrics Laboratory, Paris, France. 11/ 2008.
- Gender and Work Research Seminar, Cairo, Egypt. 06/ 2009.
- Economic Research Forum (ERF) Training Workshop, Cairo, Egypt. 07/ 2009.
- Gender Economic Research and Policy Analysis (GERPA) Summer Training Workshop. Tunis, Tunisia. 07/ 2009.
- Conference on New International Division of Labor, Centre Cournot, Paris, France. 11/2009.

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## WORKSHOPS AND MASTER CLASSES

- 2009            Poverty, Job Quality and Labor Market Research Dissemination Conference, organized by the IDRC and the Population Council. Cairo, Egypt. July 20 -21.
- Stata/ Econometrics Training Workshop, Prof. Michael Binder, organized by the GERPA for the second competition grantees. Tunis, Tunisia. July 26 – 30.
- 2008            Workshop on research methodology on gender and work, organized by the population council. Cairo, Egypt. August 17 - 21.
- 2007            RTN master class on “Collective Models”, Prof. Martin Browning. Amsterdam, Netherlands. Dec. 16 - 17.
- Gender and Work Statistical Training Workshop, organized by the population council in collaboration with the Social Research Center (SRC) at the American University in Cairo. Cairo- Egypt. June 17 - 19.

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#### TEACHING EXPERIENCE

Econometrics, Cairo University, 3rd year (Fall 2011).

Applied Microeconomics, University of Paris I Pantheon Sorbonne, 3rd year (Springs 2009-2010).

International Trade, University of Paris I Pantheon Sorbonne, 3rd year (Spring 2010).

Microeconomics, University of Paris I Pantheon Sorbonne, 2nd year (Fall 2008)

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#### COMPUTER SKILLS & SPECIFIC SOFTWARE

Microsoft Office: Word- Excel- PowerPoint

Internet application and research skills

Econometric software: STATA V9 and V10- SAS

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#### LANGUAGE SKILLS

Arabic Native

French Fluent

English Excellent

Italian Beginner level

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#### OTHER

Member of the European Economic Association (EEA)

Member of the Middle East Studies Association (MESA)

Member of the Middle East Economic Association (MEEA)

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#### REFERENCES

**Catherine Sofer** Professor of Economics, CES Université Paris 1, CNRS Maison des Sciences Economiques, 106-112 Bd de l'Hôpital 75647 Paris cedex 13 (France). Tel: +33 (0)1 44 07 82 58. Fax: +33 (0)1 44 07 82 47. E. mail: [catherine.sofer@univ-paris1.fr](mailto:catherine.sofer@univ-paris1.fr) .

**Ragui Assaad** Professor of Planning and Public Affaires and ex- director of the Population Council based in Cairo (Egypt), Humphrey Institute of Public Affairs University of Minnesota 301 19th Ave. S. Minneapolis, MN 55455 (United States). E. mail: [assaad@umn.edu](mailto:assaad@umn.edu) .

**Thierry Kamionka** Research associate at the CNRS et Director of the Microeconometrics laboratory of the Crest- Insee, 15, Bd Gabriel Péri, Timbre J390, office 2112, 92 245 Malakoff Cedex (France). Tel: +33 (0)1 41 17 35 51. E.mail: [Kamionka@ensae.fr](mailto:Kamionka@ensae.fr)

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