



Mohamed Mekki Ben Jemaa

Assistant Professor

Personal Data

Nationality | Tunisian

Date of Birth | 15/11/1977

Department | Business Administration

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Language Proficiency

Language	Read	Write	Speak
Arabic	ILR Level 5	ILR Level 5	ILR Level 5
English	ILR Level 3	ILR Level 3	ILR Level 3
French	ILR Level 5	ILR Level 5	ILR Level 5

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
March 2014	Ph.D. Quantitative Methods	University of Tunis El Manar	Tunis
February 2003	M.A. Mathematical Economics and Econometrics	University of Tunis El Manar	Tunis
June 2000	BA in Management	University of Manouba	Tunis

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Local Productive Efficiency under Uncertainty and Risk
Master	The Analysis of the Productive Performances and the Policies for the Cereal Sector in Tunisia



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	Community College	University of Dammam	Dammam, Saudi Arabia	September 2015 to Present
Assistant Professor	Faculty of Economics and Management of Sousse	University of Sousse	Sousse, Tunisia	September 2006 to 2015
Lecturer	Faculty of Economics and Management of Tunis	University of Tunis	Tunis, Tunisia	September 2003 to 2006

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Coordinator of the Strategic Planning Unit	Community College, University of Dammam	June 2016 to present
Member of The Scientific Council	Department of Business Administration, Community College	October 2015 to present
Member of the Department Council	Department of Business Administration, Community College	October 2015 to present
coordinator of The Laboratory of Economics and Industrial Management LEGI	Tunisia Polytechnic School	2012

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Muhammad Shahbaz, Naceur Khraief and Mohamed Mekki Ben Jemaa	On the Causal Nexus of Road Transport CO2 Emissions and Macroeconomic Variables in Tunisia: Evidence from Combined Cointegration Tests	Renewable & Sustainable Energy Reviews, 51(2015)89--100.
	Ben Abdelkader I., S. Hathroubi and M.M. Ben Jemaa	Microfinance Institutions' Efficiency in the MENA region: a Bootstrap-DEA approach.	The Research Journal of Finance and Accounting, Vol.5, No.6, 2014, 179-191.



#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Alary V., A. Nefzaoui and M.M. Ben Jemaa	Promoting the adoption of natural resource management technology in arid and semi-arid areas: Modelling the impact of spineless cactus in alley cropping in Central Tunisia,	Agricultural Systems 94 (2007) 573--585.
	Mohamed Mekki Ben Jemaa	Local Productive Efficiency and Economic Integration: Assessment from the Tunisian cereals sector	The Empirical Economics Letters, Volume 4 (6) November 2005, 361-80.

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	NA	NA	NA	NA

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	Ben Jemaa M.M.	Economic, political and cultural proximity and Growth propagation: a network model with endogenous proximity matrix.	The Economic Research Forum 22 nd Annual Conference, 19-21 March 2016, Cairo.
	Ben Jemaa M.M. and Z. Bouchaddekh	Risk sharing vs Risk bearing and shifting: Evidence from Conventional and Islamic Banks of MENA region.	<ul style="list-style-type: none"> - The Economic Research Forum 22nd Annual Conference, 19-21 March 2016, Cairo. - The 1st International Conference on Islamic Banking and Finance. University of Umm al Qura, Makkah Almoukarramah, 6-7 March 2016.
	Ben Jemaa M.M.	Does being in an Industrial Agglomeration enhance Productive Performances? Evidence from Egypt using a spatial Lag model.	<ul style="list-style-type: none"> - 19th Economic Research Forum conference, Kuwait city, Kuwait, March 3-5, 2013. - European Workshop on Efficiency and Productivity Analysis (EWEPA XII) Verona June 21st-24th 2011
	Ben Jemaa M.M.	Risk aversion Assessment in the Tunisian Broad acre sector under Duality and corner-solution models.	<ul style="list-style-type: none"> - 4th Halle Workshop on Efficiency and Productivity Analysis, Halle, Germany, July 16-17 2012. - North American Productivity Workshop (NAPW) New York June 25th-27th 2008.
	Ben Jemaa M.M.	Technical Efficiency under risk aversion	- European Workshop on



#	Name of Investigator(s)	Research Title	Conference and Publication Date
		and interconnection between uncertainty components: Assessment from olive-growing farms in Tunisia.	Efficiency and Productivity Analysis" (EWEPA X) Lille, France June 26th-30th 2007
	Ben Jemaa M.M.	Yield Uncertainty and Risk aversion in Duality models: a Mean-Variance approach	24èmes Journées de Microéconomie Appliquée (JMA), June 30th to July 1st 2007 held in Fribourg, Switzerland.
	Ben Jemaa M.M.	Double Heteroscedasticity and Risk Implications within Panel Data: Assessment from the Tunisian manufacturing industries.	1st Halle Efficiency and Productivity Analysis Workshop, Halle, Germany, June 20-21st 2007
	Ben Jemaa M.M.	Agricultural Productivity and Technological Gap between MENA region and some European countries: A Metafrontier Approach.	12th Economic Research Forum conference, Cairo, Egypt, December 19-21 2005.

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Lotfi Ben Aïssa, Hakim Bécheur, Mehdi Ben Braham, Mekki Ben Jemaa, Ali Chebbi, Moez El Elj, Aïda Hamdi, Mohamed Hjaiej, Mondher Khanfir, Mohamed Kriaa, Kaouther Latiri, Abderahmen El Lahga, Makram Montacer, Dhafer Saidane	Tunisie l'espoir: Mode d'emploi pour une reprise (Tunisia: The hope. A guide for a recovery).	Coauthored book under the direction of Elyes Jouini. 2014
	Véronique Alary and Mohamed Mekki Ben Jemaa Danone Care, Egypt	Socioeconomic impact Assessment of Danone Egypt Ecosystem Project (SIADDEEP) is supporting milk collection centers (MCC) in the Nile.s delta and middle valley, Egypt; post sampling expertise for Farms' typology.	2014
	Moez El Elj and Mohamed Mekki Ben	Professional training programs in Bizerte, Jendouba and Siliana: Impact	2013



#	Name of Investigator(s) (Supported by)	Research Title	Report Date
	Jemaa EMR Consulting (French).	assessment.	
	Moez El Elj and Mohamed Mekki Ben Jemaa EMR Consulting (French).	Analysis of vegetables production in Sidi Bouzid., technical report; EMR Consulting.	2013
	Véronique Alary and Mohamed Mekki Ben Jemaa ICARDA	Efficiency Assessment and the implication of Technology adoption., Part of the ICARDA project .Ex-post Impact Assessment of Natural Resources Management Technologies in Crop Livestock Systems in Arid and Semi-Arid Areas.	2004

Current Researches

#	Research Title	Name of Investigator(s)
	Is there an optimal Size for the municipality in Tunisia?	Mohamed Mekki Ben Jemaa

Membership of Scientific and Professional Societies and Organizations

- Referee, The Middle East Development Journal (MEDJ)
- Economic Research Forum, Cairo. Since 2015.
- Laboratory of Economics and Industrial Management (LEGI- Tunisia Polytechnic School). Since 2001
- Member of IDEES: Initiative for Economic and Social Development launched by Professor Elyes Jouini / <http://www.idees-tunisie.com> (publication of reports on the economic situation in Tunisia) expert on the agricultural issues. Since 2011.

Teaching Activities

Undergraduate

#	Course/Rotation Title	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Principle of Business Mathematics	Lectures and Tutorials
	Quantitative Methods	Lectures and Tutorials
	Measuring and Controlling Performance	Lectures and Tutorials
	Static Optimization	Lectures and Tutorials
	Statistics and Probability	Lectures and Tutorials
	Applied Mathematics	Lectures and Tutorials
	Nonparametric Estimation	Lectures and Tutorials
	Inferential Statistics	Lectures and Tutorials
	Econometrics	Lectures and Tutorials
	Mathematical Economics	Tutorials



#	Course/Rotation Title	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Linear Algebra	Tutorials
	Surveys and Sampling Techniques	Lectures and Tutorials

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Principles of Business Mathematics-QM 204: The main purpose of this course in Mathematics for Business is to introduce the student to the mathematics of business and finance. The focus is on identifying and graphing different types of functions, solving linear and quadratic equations and inequalities, solving systems of linear equations, performing operations on exponential and logarithmic expressions, using integration and differentiation, computing interest, calculating the future value of a principal under annual compounding and becoming competent at symbolic manipulation of relevant equations and expressions pertaining to the mathematics of business applications. Another emphasis is on obtaining skills in using computer software to assist in the formulation, analysis of, and solution of real problems. The goal is to provide the student with a set of tools to acquire the ability to read, write, listen to and speak mathematics within the framework of a business context. The student will leave the course with a basic understanding of how to manipulate mathematics in different business applications.
2	Quantitative Methods QM 306: The main purpose of this course in Quantitative Methods in Business is to introduce the student to techniques in Operations Management. Operations Management is the systematic approach and control of the processes that transform inputs (e.g. human resources, facilities, materials, etc.) into finished goods and services. The operation function is one of the important cores of a business. This course provides theoretical background and practice in the use of mathematical tools for aiding managerial decision-making in the corporate and public sectors. Topics covered include mathematical modeling, linear programming, inventory control, linear regression, time series analysis and forecasting, decision theory, project planning using networks and other topics at the instructor's discretion.
3	Measuring and Controlling Performance SCM 309: To introduce students to a variety of topics in Measuring and Controlling Performance. These topics include Performance Management and Reward Systems in Context? Performance Management Process and Strategic Planning? Measuring Results and Behaviors and Implementing a Performance Management System
4	Static Optimization: The objective is to familiarize with basic concepts of unconstrained and constrained static optimization and to apply them to standard economic problems
5	Statistics and Probability: Data summaries and descriptive statistics; Probability: distributions, expectation, variance and covariance
6	Applied Mathematics: The main purpose of this course is to introduce the student to techniques in Mathematical Economics. The topics include derivation, series expansion, function of several variables, unconstrained and constrained optimization and matrices.
7	Nonparametric Estimation: The main themes the topics treated during this course are: 1. Nonparametric estimation of a distribution function 2. Nonparametric estimation of a density function: the kernel method 3. Nonparametric estimation of a regression function: - kernel estimation - local polynomial estimation - spline estimation the material will essentially be treated from an applied point of view of methodology. The student will study software applications (R-CRAN) of the proposed methods.
8	Mathematical Statistics: An introduction to the mathematical theory of statistics. Estimation, with a focus on properties of sufficient statistics and maximum likelihood estimators. Hypothesis testing, with a focus on likelihood ratio tests and the consequent development of "t" tests and hypothesis tests in regression and ANOVA. Nonparametric procedures.
9	Econometrics 1: This course covers the statistical tools needed to understand empirical economic research



	and to plan and execute independent research projects. Topics include statistical inference, regression, generalized least squares, instrumental variables, simultaneous equations models, and evaluation of government policies and programs.
10	Mathematical Economics: The course provides a bundle of the most useful mathematical tools in Economic analysis. The techniques are duality, Walrasian General Equilibrium models, the theory of firms in oligopoly competition.
11	Linear Algebra: This course covers matrix theory and linear algebra. Linear algebra is a branch of mathematics that studies systems of linear equations and the properties of matrices.
12	Surveys and Sampling Techniques: Presents construction of sampling frames, area sampling, methods of estimation, stratified sampling, subsampling, and sampling methods for surveys of human populations. Students use STATA or another comparable package to implement designs and analyses of survey data.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postg rad.	From	to
	Principles of Business Mathematics-QM 204	x		x		September 2016	Present
	Quantitative Methods QM 306					January 2016	June 2016
	Statistics and Probability:					2013	2015
	Mathematical Statistics:					2012	2014

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
	June 2016	Present	Coordinator of the Strategic Planning Unit	Community College Dammam
	2011	2012	Coordinator of the Seminar of the LEGI	LEGI-Tunisia Polytechnic School

Committee Membership

#	From	To	Position	Organization
	2016	Present	Scientific Council	Community College Dammam
	2016	Present	Department Council	Community College Dammam



Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Comfortable with most of the Statistical software; R, STATA, SPSS, Eviews, Matlab.
2	A sound Knowledge in Geographical Information System (QGIS)
3	Projects Monitoring and Strategic Planning.

Last Update

23/01/2017

Faculty member

Dr. Mohamed Mekki Ben Jemaa

Head of Department

Dr. Yousria M. Abdul Glell