



## Personality Data

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<b>Nationality</b>	Egyptian.
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## Professional and Educational Data

<b>Occupation</b>	Lecturer of Statistics and Mathematics – Institute of National Planning (INP)
<b>Major</b>	Mathematics and Statistics
<b>Current Position</b>	Assistant Professor - Planning Techniques Center - Institute of National Planning.
<b>Previous Positions</b>	<ul style="list-style-type: none"> <li>• Assistant Professor of Mathematical Statistics - Planning Techniques Center – Institute of National Planning (from 17 / 12 / 2020 till now).</li> <li>• Assistant lecturer- Planning Techniques Center – Institute of National Planning (from 3 / 11/ 2016 till 16/12/2020).</li> <li>• Statistician- Producer Price, Export and Import Indices- CAPMAS (from 1 /1/ 2009 till 2 / 11 / 2016).</li> <li>• Technical support engineering – Misr Information Services &amp; Trading (MIST) (from June2008 till 31 / 12 / 2008).</li> <li>• Statistical analysis of master's and doctoral theses</li> <li>• Teaching mathematical and statistical courses in the pre-university and university stages (via electronic platforms and other various teaching methods).</li> </ul>
<b>Academic Qualifications</b>	<ul style="list-style-type: none"> <li>• PhD degree- Mathematical Statistics- Faculty of Graduate Studies for Statistical Research- Cairo University - 2020.</li> <li>• Master degree - Mathematical Statistics- Faculty of Graduate Studies for Statistical Research- Cairo University 2015.</li> <li>• Diploma in Mathematical Statistics – Faculty of Graduate Studies for Statistical Research- Cairo University- Very good -2013.</li> <li>• B.Sc. - Pure Mathematics and Computer Science - Faculty of Science – Al-Azhar University- Very Good- 2006.</li> </ul>

## Graduation projects

Designing Data-Base for Hospital using SQL Server & Design it's Application Using C#.	• B.Sc. - Pure Mathematics and Computer Science - Faculty of Science – Al-Azhar University- 2006.
Constructing Input – Output Model for Turkey based on Input output Table 2010.	Diploma – statistics department – Faculty of Graduate Studies for Statistical Research - Cairo University- 2013.
Constructing HedonicRegression Model and analysis using SPSS.	• Pre-Master degree – Statistics department-- Faculty of Graduate Studies for Statistical Research- Cairo University - 2015.

## International Publications

Title	Journal
Bayesian Analysis of Dynamic Cumulative Residual Entropy for Lindley Distribution	Entropy, 2021, 23(10), 1256; <a href="https://doi.org/10.3390/e23101256">https://doi.org/10.3390/e23101256</a>
Dynamic Cumulative Residual Rényi Entropy for Lomax Distribution: Bayesian and Non-Bayesian Methods.	<i>AIMS Mathematics</i> , 2021, 6(4), 3889–3914. DOI: <a href="https://doi.org/10.3934/math.2021231">10.3934/math.2021231</a>
Entropy Bayesian Estimation for Lomax Distribution Based on Record.	<i>Thailand Statistician</i> , January 2021; 19(1): 96-115.
Bayesian Inference of Dynamic Cumulative Residual Entropy from Pareto II Distribution with Application to COVID-19.	<i>AIMS Mathematics</i> , 2021, 6(3), 2196–2216. DOI: <a href="https://doi.org/10.3934/math.2021133">10.3934/math.2021133</a>
Estimation of Entropy for Inverse Weibull Distribution Under Multiple Censored Data	<i>Journal of Taibah University For Science</i> , 2019, 13(1), 331–337. <a href="https://doi.org/10.1080/16583655.2019.1576493">https://doi.org/10.1080/16583655.2019.1576493</a>
Constant Stress Partially Accelerated Life Test for Inverted Weibull Distribution with Multiple Censored Data	<i>International Journal of Advanced Statistics and Probability</i> , 2015, 3(1), 72-82
External Trade Indices of Egypt (Conference Paper)	<i>Second Young Africa Statisticians Conference, South Africa (from 1-3-December 2010).</i>

## National Publications

Title	Publisher
Participant in “Analyzing the Structure of Workforce In the Egyptian Economy In the light of the Force Industrial Revolution	<i>Institute of National Planning, Planning and Development Issues, Series No. 340, 2022.</i>
Participant in “The Role of Digital Economy in Promoting Services Trade and Industry in Egypt”	<i>Institute of National Planning, Planning and Development Issues, Series No. 328, 2022.</i>
Participant in “The Structural Transformation of the Egyptian Information Sector with Emphasis on Added Value”	<i>Institute of National Planning, Planning and Development Issues, Series No. 322, 2021.</i>
“Technological Infrastructure, Digital Transformation and Its Future Roles in Education Under the Coronavirus Pandemic”.	<i>Egyptian Review of Development and Planning, Issue No.28 (1), Nov.2020.- Institute of National Planning. <a href="https://doi.org/10.21608/INP.2020.164606">doi: 10.21608/INP.2020.164606</a></i>
Participant in “The Structural Transformation of the Egyptian Information Sector with Emphasis on Investment”	<i>Institute of National Planning, Planning and Development Issues, Series No. 313, 2020.</i>
Participant in “Evolution of the methodology of input and output tables and the requirements to use in Egypt”.	<i>Institute of National Planning, Planning and Development Issues, Series No. 303, July 2019.</i>
Participant in “The Structural Transformation of the Egyptian Information Sector with Emphasis on Exports”.	<i>Institute of National Planning, Planning and Development Issues, Series No. 305, August 2019.</i>
Participant in “Evaluating Egyptian monetary policies since 2003 with special attention to its role in supporting the objectives of development plans”.	<i>Institute of National Planning, Planning and Development Issues, Series No. 297, 2018.</i>
Participant in “The Structural Transformation of the Egyptian Information Sector with Emphasis on Employee”.	<i>Institute of National Planning, Planning and Development Issues, Series No. 292, July 2018.</i>
<b>Participant in Report</b> “The Food Security Situation in Egypt at 2017”.	<i>Institute of National Planning, 2018.</i>

## **Major Previous Experiences**

- Teaching some subject (like; mathematics – Statistics – Econometrics-...) to post graduate student and pre-master degree.
- Analysis data using different programs (SPSS – R – Python- MathCAD).
- Participating in Rebase producer price index based on two classifications (ISIC and CPC) from 2009 to 2016.
- Participating in Review and edit Producer Price Index (from Jan. 2009 to Nov.2016).
- Participating in training researchers at regional statistical offices in Egypt to raise their efficiency on the producer price index.
  
- Participating in Construct and compile Import and Export Price Index from Jan. 2009 to Nov.2016 CAPMAS.
- Participating in Rebase Import and Export Price Index from Jan. 2009 to Nov.2016 – CAPMAS.
- Participating in preparing and withdrawing a sample of establishments used in the constructing the Industrial Production Index
- Summer training - students of the Faculty of Economics and Political Science - on the Construct and compile of all indices.
- Participating in design info graphs- CAPMAS.
- Participant in the committee of automating the activities – INP.
- Participant in ISO team – INP (9001-2015, 21001-2018).
- Database system for research activities – INP.
- Field supervision in “the spending of Egyptian pilgrims” survey.
- Field supervision in “tourism expenditures for departing tourists” survey.
- Participation as a field researcher in “tourism expenditures for departing tourists

survey” from 2009 to 2016.

- Participation in auditing commodity price data for “monitoring and tracking the Egyptian food security situation research” in two periods: July and August 2015.
- Participating in quality control of field for consumer price index.
- Participate in quality control of field in rental prices search
- Participation as a field research “the evaluation of the appropriate work environment and identifying reform priorities in private sector establishments”
- Participation as a field research for Labor force survey
- Participation in all activities of the International Comparison Program (ICP) at 2011 and 2016.
- Participation in preparing informational reports for the governorates of Egypt.
- The statistical preparation of Egyptian Geo-Spatial Information Portal – CAPMAS. (It is the first site which allows data users to see Egypt with all sectors representative in the color information maps to support planning and monitoring system and support the decision making).
- Reports about (Monitoring the Food Security Situation in Egypt) – CAPMAS.
- Participate in preparation CAPMAS Monthly Information Bulletin.
- Participate in the statistical development of CAPMAS website.

### **Conferences, Training Courses and Workshops**

- Participation in all workshops related to producer price index and consumer price index that belong to the twinning project between CAPMAS and Danish statistical agency.
- Participating in the ESCWA Foreign Trade Index Workshops in Cairo.
- Participation in a workshop on auditing foreign trade data - organized by ESCWA – Cairo.

- A study visit to Latvia to study statistical methods in handling index statistics, July 2010.
- Participation in the training program in "Applied Statistics and Official Statistics" in South Korea from August 30 to September 20, 2012 of the Korean Agency for International Cooperation (KOICA).
- Participation in the training program on "Price Index Number Methodologies" - International Monetary Fund, from 6 to 17 December 2015.
- Participation in training program on "Methodologies for the Construction of Real Estate Price Index Numbers" - the Arab Institute for Training and Statistical Research in Jordan (Online Course) in the period 4-7 September 2016.
- Participation in the training program "Methodology for the Construction of Real Estate Price Index" - International Monetary Fund from January 8-12, 2017.
- Participation in a training program "Macro-Labor Summer Course" - ITC - ILO – Turin, Italy - from 10-14 July 2017.
- Participation in the workshops of the index numbers for Industrial Production Index - organized by ESCWA - Cairo.