CURRICULUM VITAE

Name: *Dr. **Ali Ismail**, Ph.D.,*(**Professor of Statistics**)

1- Personal data

Name	*Dr. **Ali** Ahmed Mohamed **Ismail**, Ph.D.*
Nationality	EGYPTIAN
Date of Birth	5th of Dec., 1971.
Permanent Occupation	Professor of Statistics, Department of Statistics, Faculty of Economics and Political (**FEPS**), **Cairo University**, *Giza 12613*, *EGYPT*.
Current Occupation	Professor of Statistics, Department of Statistics, Faculty of Science (A90), PO Box 80203, **King Abdulaziz University**, Jeddah 21589, Kingdom of Saudi Arabia Cellphone: +966545653036
E-mail:	aamesmaeel1@kau.edu.sa OR ali.ismail@feps.edu.eg OR ali.ismail@cu.edu.eg OR aismail100@yahoo.com

Field of Study:
Major: Statistics
Minor: Mathematical Statistics (Reliability & Life Testing)

2- Academic Qualifications

- **Ph.D.** in *Statistics*, Department of Statistics, Faculty of Economics and Political Science (**FEPS**), Cairo University, EGYPT, 2004.
- **Pre-Doctorate** courses in pure and advanced statistics & mathematics (2), Department of Statistics, **FEPS**, Cairo University, EGYPT, 1999-2000.
- **M.Sc.** in *Statistics*, Department of Statistics, Faculty of Economics and Political Science (**FEPS**), Cairo University, EGYPT, 1998.
- **Pre-Master** courses in pure and advanced statistics & mathematics (1), Department of

Statistics, **FEPS**, Cairo University, EGYPT, 1993-1994.
- **B.Sc.** in *Statistics* **(with honors)**, Department of Statistics, Faculty of Economics and Political Science **(FEPS)**, Cairo University, EGYPT, 1993.

3- Academic career

- *Professor,* 9 Nov. 2016 (Promotion committee decision), Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt.
- *Professor,* April 2014–2016, King Saud University, College of Science, Department of Statistics and Operations Research, P. O. BOX 2455, Riyadh 11451, Saudi Arabia.
- *Associate Professor,* Jan. 2010 – Now, Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt.
- *Assistant Professor,* Dec. 2004 – Dec. 2009, Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt.
- *Lecturer*, Feb. 1999 – Dec. 2004, Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt.
- *(Demonstrator*, Dec. 1993 – Jan. 1999, Department of Statistics, Faculty of Economics and Political Science, Cairo University, Egypt.

4- Teaching Experience
Lecturing in: (Arabic/English)

- Statistical Inference (1), (Master Program), Department of Statistics, Faculty of Science, King Abdulaziz University.

- Probability theory – second level / English section, Department of Statistics, Faculty of Science, King Abdulaziz University.

- Statistics and Probability, Department of Statistics, Cairo University.

- Probability theory – second level / English section – credit hours system (CHS) – Faculty of Economics and Political Science, Cairo University, 2016-2018.

- Mathematical Statistics, Department of Statistics, Cairo University.

- Statistics 1&2 and mathematics 1&2 for Business, Department of Quantitative Methods, Faculty of Business Administration, King Saud University, 2006-2007, Riyadh, Saudi Arabia.

- Statistics for Business II - (Code # STAT 216) in English - credit hours system (CHS) – Faculty of Management Science, MSA University, 2017-2018.

- Econometrics (Code # STAT 401) in English, College of Science, Department of Statistics and Operations Research, King Saud University, 2014-2016, Riyadh, Saudi Arabia.

- Statistics for economists (2) – third level – Faculty of Economics and Political Science, Cairo University, 2016-2017.

- Statistics & mathematics for Business, Department of Quantitative Methods, Faculty of Business Administration, King Saud University, 2006-2007, Riyadh, Saudi Arabia.

- Probability & Statistics for Engineering in English, College of Science, Department of Statistics and Operations Research, King Saud University, 2007-2015, Riyadh, Saudi Arabia.

- Introduction to Statistics & Applied Statistics:
  Faculty of Economics and Political Science, Cairo University, 1993 - 2006.
  Faculty of Commerce, Cairo University, Dec. - May 1993.
  Faculty of Arts, Cairo University 1994, 1997, 1999-2000.
  Faculty of Communication, Cairo University, Oct–June 2001 and Oct–Dec 2003.

- Theoretical/mathematical Statistics & Applied Statistics:
  Faculty of Economics and Political Science, Cairo University, 1997.

- Operation Research:
  Faculty of Economics and Political Science, Cairo University, 1995, 1996 and Oct. – Dec. 2001.

- Numerical Analysis & Simulation:
  Faculty of Economics and Political Science, Cairo University, Feb - May 2004

- Econometrics:
  Faculty of Economics and Political Science, Cairo University, Feb - May 2004.

- The use of SPSS in data analysis:
  Faculty of Communication, Cairo University, Sept-June 2002 / 2003.

- Demography Statistics:
  Faculty of Economics and Political Science, Cairo University, Feb - May 1999.

- Statistics (2): Applied Statistics
  Faculty of Economics and Political Science, Cairo University, Feb - May 2004.

- Psychological Statistics:
  Faculty of Arts, Cairo University, 2004.

- Introduction to Statistics & Applied Statistics:
  Faculty of Arts, Cairo University, Feb - May 2005.

- Non-Parametric Statistics:
  Faculty of Economics and Political Science, Cairo University, Sept.- Dec. 2005.

- *Lecturing in* the Training Center and Development (TCD), Riyadh Chamber of Commerce & Industry (RCCI), Riyadh, Kingdom of Saudi Arabia, April; 2007, "On the Quantitative Methods and their Applications in the Field of Sales and Marketing for Estimation and Prediction"

Data Collection, Projects, Conferences, Seminars & Symposiums:

I participated in the following activities:
- The project of evaluation for the level of teaching in the Faculty of Economics and Political Science, Cairo University 1995-2005.
- The annual conference on Statistics and Computer Modeling in Human and Social Sciences, Faculty of Economics and Political Science, Cairo University 1993 - Now.
- The weekly seminars of the Statistics Department, Faculty of Economics and Political Science, Cairo University 1993 - Now.
- The annual symposiums on Statistics and Computer Modeling in Human and Social Sciences, Department of Statistics, Faculty of Economics and Political Science, Cairo University 1994 - Now.

5- Publications **(Total ISI = 35+)**

Ismail, Ali A. and Amal Al Tamimi (**2019**). Optimal design of failure-censored constant-stress life test plans for the inverse Weibull distribution, *Strength of Materials*, 51(1): 156-165. **(ISI)** (IF = 0.670)

Ismail, Ali A. (**2019**). Statistical analysis of Type-I progressively hybrid censored data under constant-stress life testing model, *Physica A-Statistical Mechanics and its Applications,*520: 138-150. **(ISI)** (IF = 2.5)

Ismail, Ali A. and M. M. Al-Harbi (**2018**). On estimating a constant stress life test model using time-censored data from the linear failure rate distribution", *Strength of Materials,* 50(6): 918-924. **(ISI)** (IF = 0.522)

Ismail, Ali A. and K. Al-Habardi (**2018**). Optimum Plans of Step-Stress Life Tests Using Failure-Censored Data Form Burr Type-XII Distribution, *Strength of Materials,* 50(4): 674-685. **(ISI)** (IF = 0.522)

Ismail, Ali A. (**2018**). Parameter estimation under failure censored constant-stress life testing model using MCMC approach, *International Journal of Industrial Engineering*: *Theory, Applications and Practice,* 25(3): 402-415. **(ISI)** (IF = 0.565)

Ismail, Ali A. and Amal Al Tamimi (**2017**). Optimum constant-stress partially accelerated life test plans using Type-I censored data from the inverse Weibull distribution, *Strength of Materials*, 49(6): 847-855. **(ISI)** (IF = 0.522)

Ismail, Ali A. and K. Al-Habardi (**2017**). On designing time-censored step-stress life test for the Burr Type-XII distribution, *Strength of Materials,* 49(5): 699-709. **(ISI)** (IF = 0.522)

Ismail, Ali A. (**2017**). Planning Step Stress Life Tests for the Generalized Rayleigh Distribution under Progressive Type II Censoring with Binomial Removals, *Strength of Materials,* 49(2): 292-306. **(ISI)** (IF = 0.522)

Ismail, Ali A. (**2016**). Statistical inference for a step-stress partially-accelerated life test model with an adaptive Type-I progressively hybrid censored data from Weibull distribution, *Statistical Papers*, 57(2):271–301. **(ISI)** (IF = 0.781)

Ismail, Ali A. (**2016**). Optimum Failure-Censored Step-Stress Life Test plans for Lomax Distribution*, Strength of Materials,* 48(3): 437-443. **(ISI)** (IF = 0.462)

Ismail, Ali A. (2016). On Designing Time-Censored Step-Stress Life Test for Lomax Distribution, *Journal of Testing and Evaluation*, 44(1): 230-236. **(ISI)** (IF = 0.669)

Ismail, Ali A. (**2016**). Reliability analysis under constant-stress partially accelerated life tests using hybrid censored data from Weibull distribution*, Hacettepe Journal of Mathematics and Statistics,* 45(1): 181–193. **(ISI)** (IF = 0.413)

Ismail, Ali A. (**2015**). Optimum partially accelerated life test plans with progressively type-I interval censored data*, Sequential Analysis-Design Methods and Applications;* 34: 135–147. **(ISI)** (IF = 0.500)

Ismail, Ali A. (**2015**). Parameter Estimation under Failure-Censored Constant-Stress Life Testing Model: A Bayesian Approach*, Sequential Analysis-Design Methods and Applications;* 34: 264–276. **(ISI)** (IF = 0.500)

Ismail, Ali A. (**2015**). Likelihood and Bayesian estimations for step-stress life test model under Type-I censoring*, Hacettepe Journal of Mathematics and Statistics,* 44: 1235-1245. **(ISI)** (IF = 0.413)

Ismail, Ali A. (**2015**). Bayesian estimation under constant-stress Partially Accelerated Life Tests for Pareto distribution with Type-I censoring*, Strength of Materials,* Vol. 47, No. 4, pp. 633 – 641. **(ISI)** (IF = 0.376)

Ismail, Ali A. and Al-Babtain, A. A. (**2015**). Planning failure-censored constant-stress partially accelerated life test, *Journal of Systems Engineering and Electronics*, Vol. 26, No. 3, pp.644 – 650. **(ISI)** (IF = 0.506)

Ismail, Ali A. (2015). Bayesian Estimation of Pareto Distribution under Failure-Censored Step-Stress Life Test Model, *Journal of Testing and Evaluation*, Vol. 43, No. 4, pp. 888–896. **(ISI)** (IF = 0.669)

Ismail, Ali A. and Al-Babtain, A. A. (**2015**). On Studying Partially Accelerated Life Tests under Progressive Stress, *Journal of Testing and Evaluation*, Vol. 43, No. 4, pp. 897–905. **(ISI)** (IF = 0.379)

Ismail, Ali A. (2014). Estimation under failure-censored step-stress life test for the generalized exponential distribution parameters, *Indian Journal of Pure and Applied Mathematics*, Vol. 45, No. 6, pp. 1003-1015. **(ISI)** (IF = 0.252)

Ismail, Ali A. (**2014**). Likelihood inference for a step-stress partially accelerated life test model with Type-I progressively hybrid censored data from Weibull Distribution, *Journal of Statistical Computation and Simulation*, 84(11): 2486-2494. **(ISI)** (IF = 0.869)

Ismail, Ali A. and Abu-Youssef, S.E. **(2014)**. Recurrence relations for the moments of order statistics from doubly truncated modified Makeham distribution and its characterization, *Journal of King Saud University Science*, 26(3): 200-204. **(ISI)**

Ismail, Ali A. and Al-Babtain, A. A. (**2014**). On Studying Partially Accelerated Life Tests Under Progressive Stress, *Journal of Testing and Evaluation*, Vol. 43, No. 4, 2014, doi:10.1520/JTE20130304. ISSN 0090-3973. **(ISI)** (IF = 0.669)

Ismail, Ali A. (**2014**). Statistical inference of Weibull distribution under a progressive stress partially accelerated life testing model, *Journal of Testing and Evaluation*, Vol. 42, No. 2, pp. 420–427, doi:10.1520/JTE20130115. ISSN 0090-3973. **(ISI)** (IF = 0.669)

Ismail, Ali A. (**2014**). Bayesian and non-Bayesian estimations under failure-censored partially accelerated life tests, *Journal of Testing and Evaluation*, Vol. 42, No. 2, pp. 428–436, doi:10.1520/JTE20130105. ISSN 0090-3973. **(ISI)** (IF = 0.669)

Ismail, Ali A. (**2014**). Inference for a step-stress partially accelerated life test model with an adaptive Type-II progressively hybrid censored data from Weibull distribution, *Journal of Computational and Applied Mathematics* 260: 533–542. **(ISI)** (IF = 1.632)

Ismail, Ali A. (**2014**). On designing constant-stress partially accelerated life tests under time- censoring, *Strength of Materials,* Vol. 46, No. 1, PP. 132-139. **(ISI)** (IF = 0.522)

Ismail, Ali A. (**2013**). Estimating the generalized exponential distribution parameters and the acceleration factor under constant-stress partially accelerated life testing with Type-II censoring, *Strength of Materials,* Vol. 45, No. 6, PP. 693-702. **(ISI)** (IF = 0.522)

Ismail, Ali A. (**2013**). On designing step-stress partially accelerated life tests under failure-censoring scheme, *Proceedings of the Institution of Mechanical Engineers Part O-Journal of Risk and Reliability,* 227(6) 662–670. **(ISI)** (IF = 1.373)

Ismail, A.A. and Abu-Youssef, S.E. **(2012)**. A Goodness of Fit Approach to the Class of Life Distributions with Unknown Age, *Quality and Reliability Engineering International*, 28(7): 761-766. **(ISI)** (IF = 1.604)

Ismail, A.A. (2012). Inference in the generalized exponential distribution under partially accelerated tests with progressive Type-II censoring, *Theoretical and Applied Fracture Mechanics*, 36(7): 2916-2921. **(ISI)** (IF = 2.215)

Ismail Ali A. and Abu-Youssef, S.E. (**2012**). Parameters Estimation Under Step-Stress LifeTest Based on Censored Data From Generalized Exponential Model, *Journal of Testing and Evaluation*, 40(2): 305-309. **(ISI)** (IF = 0.669)

Ismail Ali A. (**2012**). Estimating the parameters of Weibull distribution and the acceleration factor from hybrid partially accelerated life test, *Applied Mathematical Modelling*, 36(7): 2920-2925. **(ISI)** (IF = 2.617)

Ismail, A.A., Abdel-Ghaly, A. A. and El-Khodary, E.H. (**2011**). Optimum Constant-Stress Life Test Plans for Pareto Distribution under Type-I Censoring, *Journal of Statistical Computation and Simulation*, 81(12): 1835–1845. **(ISI)** (IF = 1.632)

Ismail Ali A. (**2011**). Planning step-stress life tests with Type-II censored data, *Scientific Research and Essays*, 6(19): 4021-4028. **(ISI)** (IF = 0.445)

Ismail, A.A. (**2010**). Bayes estimation of Gompertz distribution parameters and acceleration factor under partially accelerated life tests with type-I censoring, *Journal of Statistical Computation and Simulation*, 80(11):1253-1264. **(ISI)** (IF = 0.869)

Ismail, A.A. (**2009**). Parameters estimation for the generalized exponential distribution under partially accelerated life tests with censoring, *Bulletin of Statistics & Economics*, 3(A09): 80-88.

Ismail, A.A. and A. M. Sarhan (**2009**). Optimal planning time-step stress life test using progressively type-II censored exponential data, *International Mathematical Forum*, 4(40): 1963–1976.

Ismail, A.A. (**2008**). Planning Constant-Stress Partially Accelerated Life Tests with Type-II Censoring, *Journal of Statistical Theory and Applications*, 7(4): 407-418.

Aly, H.M. and **Ismail, A.A.** (**2008**). Optimum simple time-step stress plans for partially accelerated life testing with censoring, *Far East Journal of Theoretical Statistics*, 24(2): 175-200.

Ismail, A.A. (**2006**). On the optimal design of step-stress partially accelerated life tests for the Gompertz distribution with type-I censoring, *InterStat*, June # 1.

Ismail, A.A. (**2004**). The test design and parameter estimation of Pareto lifetime distribution under partially accelerated life tests, *Ph.D. Thesis*, Department of Statistics, Faculty of Economics & Political Science, Cairo University, Egypt.

Abdel-Ghaly AA, El-Khodary EH and **Ismail AA.** (**2003a**). Estimation and optimal design in step partially accelerated life tests for Pareto distribution using type-II censoring. Proceedings of the 15th annual conference on statistics and computer modeling in human and social sciences; Egypt: Faculty of Economics and Political Science, Cairo University, p. 35–48.

Abdel-Ghaly AA, El-Khodary EH, and **Ismail AA.** (**2003b**). Estimation and Optimum Constant-Stress Partially Accelerated Life Test Plans for a Compound Pareto Distribution with Type-I Censoring, Proceedings of the 38th Annual conference of statistics, computer sciences and operation research, ISSR, Cairo University, P. 128-138.

Abdel-Ghaly AA, El-Khodary EH and **Ismail AA.** (**2002**). Maximum likelihood estimation and optimal design in step partially accelerated life tests for Pareto distribution using type-I censoring. Proceedings of the 14th annual conference of statistics and computer modeling in human and social sciences; Egypt: Faculty of Economics and Political Sciences, Cairo, University, p. 27–40.

Ismail, A.A. (**1998**). On the measurement of human development with application on Egypt, *M.Sc. Thesis*, Department of Statistics, Faculty of Economics & Political Science, Cairo University, Egypt.

Submitted Papers:

1- Inference on constant-stress partially accelerated life test model using an adaptive Type-I progressively hybrid censored data from Weibull distribution.

2- Designing constant-stress life tests under failure censoring: the case of inverse Weibull distribution.

6- Academic Conferences

Conference name	Date	Place	Participation type
Annual conference of statistics, computer sciences and operation research, ISSR, Cairo, University	DEC., 2015	*ISSR, Cairo, University*	Paper
Annual conference of statistics, computer sciences and operation research, ISSR, Cairo, University	DEC., 2003	*ISSR, Cairo, University*	Paper
Annual conference on Statistics and Computer Modeling in Human and Social Sciences, Faculty of Economics and Political Science, Cairo, University	MAR., 2003	*FEPS, Cairo, University*	Paper
Annual conference on Statistics and Computer Modeling in Human	MAR., 2002	*FEPS, Cairo, University*	Paper

and Social Sciences, Faculty of Economics and Political Science, Cairo, University			

7- Other Academic activities (referee for academic journals, supervision of research works, Ph.D, Msc ……)

● **Reviewer in:**

Nature of joining / International Society) (Editorial Board	Name of the journal, affiliation and Country	Publisher Name
Reviewer	ENGLAND/ Journal of Statistical Computation and Simulation	TAYLOR & FRANCIS LTD
Reviewer	NETHERLANDS /Journal of Computational and Applied Mathematic	ELSEVIER SCIENCE BV
Reviewer	USA /applied mathematical modelling	ELSEVIER SCIENCE INC
Reviewer	Korea /International Journal of Reliability and Applications	Suwon Han-guksilloeseonghakoe
Reviewer	/ Quality and Reliability England Engineering International	WILEY-BLACKWELL

● **Supervising:**

M.Sc. Thesis entitled "Optimum Step-Stress Partially Accelerated Life Test Plans Using Censored Data from Burr Type-XII Distribution ", by Khuloud Al-Habardi, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2015-2016.

M.Sc. Thesis entitled "Optimal Design of Constant-Stress Partially Accelerated Life Tests under Censored Data from the Inverse Weibull Distribution, by Amal Al-tamimi, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2015-2016.

M.Sc. Thesis entitled " Statistical inference on constant stress partially accelerated life test model using censored data from the linear failure rate distribution, by Manal Al-Harby, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2014-2015.

M.Sc. Thesis entitled "The Estimation Problem of the Burr-XII Distribution Parameters under Partially Accelerated Life Tests using Censored Data", by Dalia A. Omar, Department of Statistics, Faculty of Economics and Political Science **(FEPS)**, **Cairo University**, 2005-2006.

- **Judgment Committee Member for:**

M.Sc. Thesis entitled "On Extended Burr XII Distribution: Different Methods of Estimation", by Amany El-Sheikh, Department of Mathematical Statistics, Institute of Statistical Studies & Research (ISSR), **Cairo University**, 2018-2019.

M.Sc. Thesis entitled "Generalized Lindley Models and Their Applications in Reliability", by Asma Althagafi, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2015-2016.

M.Sc. Thesis entitled "Optimum Step-Stress Partially Accelerated Life Test Plans Using Censored Data from Burr Type-XII Distribution ", by Khuloud Al-Habardi, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2015-2016.

M.Sc. Thesis entitled "Optimal Design of Constant-Stress Partially Accelerated Life Tests under Censored Data from the Inverse Weibull Distribution, by Amal Al-tamimi, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2015-2016.

M.Sc. Thesis entitled "Reliability Analysis of some new Stochastic Models", by Dalail Al-Mufarrej, Department of Statistics and Operations Research, College of Science, **King Saud University**, 2014-2015.

M.Sc. Thesis entitled "Planning Step-Stress Accelerated Life Tests for the Generalized Exponential Distribution with Censoring", by Mariam Khan, Department of Statistics, College of Science, **King AbdulAziz University**, 2011-2012.

- **Advising Graduation Projects**

Supervised graduation projects (2011- 2015), **King Saud University.**
Supervised graduation projects (2016), **Cairo University.**

8- Training and Consulting Experiences

8(a) Training

Training Courses:

* Computer Fundamentals & Introduction to Data Processing, FEPS, Cairo University, 1991.
* Basic Language, FORTRAN Language, Pascal Language & MATLAB Language, FEPS, Cairo University, 1992.
* Windows, Word, Internet, Excel & SPSS, FEPS, Cairo University, 1995.
* Attendance of five training workshops - Faculty and Leadership Development Project (FLDC), Cairo University; 2005-2006 and **2016-2017** (**Organizing scientific conferences, Exam systems and evaluation of students, Strategic Planning, Writing project proposals and research grants, Scientific publishing in international journals**).

8(b) Consulting works/research

Consultant for some research projects in King Abdel-Aziz University and Majmaah University, *Saudi Arabia*.

9- Other professional activities

- Member of the Faculty of Economics and Political Science **(FEPS)** Council for the academic year 2018/2019.
- Member of the Department of Statistics Council, Faculty of Economics and Political Science **(FEPS)** for the academic year 2018/2019.
- Member of "The Academic Accreditation" Committee in Department of Statistics and Operations Research, College of Science, King Saud University, 2014-2016.
- Member of "community service" Committee in Department of Statistics and Operations Research, College of Science, King Saud University, 2010-2016.
- Coordinator of multi-sections courses in Department of Statistics and Operations Research, College of Science, King Saud University, 2007-2016.
- Participation in Adjudicating M.Sc. Thesis in Department of Statistics, College of Science, King Abdel-Aziz University, May 2012.
- Participation in Adjudicating M.Sc. Thesis in Department of Statistics, College of Science, , King Saud University, May 2015.
- Participation in Adjudicating M.Sc. Thesis in Department of Statistics, College of Science, , King Saud University, May 2016.
- Participation in Adjudicating M.Sc. Thesis in Department of Statistics, College of Science, , King Saud University, May 2016.

- Lecturing in the Training Center and Development (TCD), Riyadh Chamber of Commerce & Industry (RCCI), Riyadh, Kingdom of Saudi Arabia, April; 2007.
- Academic guide for undergraduate students, 2005-2006.

10- <u>Awards, Certificates of Honor and Grants</u>

- Awards from Permanent Committee for Research Excellence and Quality Publication, King Saud University, 2010-2016.
- Award from Research Center, College of Science, King Saud University, 2010-2016.
- Certificate of Merit and Excellence for faculty members from Cairo University in 2010-present, for scientific publishing in ISI journals.