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PERSONAL INFORMATION

Hassan Rahnaward Ghulami

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Sex: Male | Date of birth: | Nationality: Afghanistan.

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR

About Me:
I have been worked more than 17-years as senior lecturer at Bamyan University-Afghanistan, one year as education officer at Save the children Sweden Norway, six months as research fellow at International Centre for Genetics Engineering and Biotechnology (ICGEB-Trieste, Italy), four months as visiting scholar at risk at the University of Milan (UNIMI), and currently working as research fellow at the University of Bologna (UNIBO, Italy). It is my dream to pursue my Ph. D in Social Data Science with the goal of continuing as academic employer and do research. In the years that I have spent as senior lecturer I have discovered a strong passion for teaching and research. Although, I have thrived in the rich intellectual climate of academia, and I want to contribute more actively to it. Further, I have strong interests in the field of quantitative research applied in social science which compel me to pursue further research in this area. My current research involves investigating the "Statistical Models and Methods for Student Performance Evaluation", and the modelling and quantitative methods becomes extremely relevant concepts to investigate the mentioned topic.

WORK EXPERIENCE

01/03/2005 – 31/08/2021

Senior Lecturer
Minster of higher education of Afghanistan and Bamyan University.
Website: https://www.bu.edu.af/
- Supervised graduate students' projects, mentored junior students in effective next steps for educations and career preparedness, and advised on focus, methodology and report generation to meet present standards.
- Used variety of learning modalities and support materials to facilitate the learning process of Probability, Statistics, Applied Statistics and accentuate presentations.
- Authored well-regarded Introduction to Statistics and Probability using R, textbook to present credible information to undergraduate students.
- Conducted operational research, recorded and collected data, analysed with in-person and remote collaborators and presented results in scholarly publications to further enhance knowledge.
- Designed and distributed lecture handouts to round out material and increase student understanding.
- Reporting.

20/03/2005 – 10/01/2010

Head of Mathematics Department at the Faculty of Natural Science
Dean of faculty of natural science in Bamyan University.
- Developed the strategies plan, following annual plan of mathematics department.
- Performed duties in accordance with applicable standards, policies and regulatory guidelines to promote safe working environment.
- Used team critical thinking to break down problems, evaluate solutions and make decisions.
- Offered friendly and efficient service to colleagues, students, and handled challenging situations with ease.
- On boarded new employees with training and new hire documentation.
- Conducted monthly inventories of raw materials and components on work floor. ∘ Directed staff and managed annual capital budget.
- Reporting.

01/01/2006 – 10/01/2010

Team Leader of Institutional Development Team
Bamyan University and USAID project (Higher Education Project- HEP)

- Follow up and evaluate the academic activities of institutional development team at Bamyan University.
- Contributed the overall development of project assessments, initiatives and activities.
- Conducted any workshop, training and meeting to develop the annual strategic plan of Bamyan University.
- Cary out any other required tasks as assigned by the program manager.

01/01/2008 – 31/12/2009	**Key Trainer of Pedagogy**

Bamyan University and USAID project (Higher Education Project- HEP), Bamyan-Afghanistan.
- Participated in three intensive mathematics pedagogy seminars, project management and proposal writing workshop and syllabus design training which are designed and conducted by Higher Education Project.
- Conducted any pedagogical workshop for faculties which are prepared by USAID- HEP at Bamyan University.

10/01/2010 – 31/12/2010	**Education Coordinator**

Save the Children Sweden Norway, Bamyan-Afghanistan.
- Planned and led required training session for teaching assistants and new composition teacher in high schools.
- Provided guideline and training opportunities to assist new hires in adjusting to the pace of work and the tone and style of the schools.
- Arranged meeting with head teachers, teachers, local shuras, parents and government authorities for smooth and efficient implementation of the programs.
- Encouraged local communities to allow their children to go to school, and to give theme clear picture not to discriminate on the bases of the gender.
- Reporting.

24/11/2021 – 20/05/2022	**Research Fellow**

International Centre for Genetics and Engineering and Biotechnology (ICGEB), Trieste-Italy.
- Maintained high levels of confidentiality to protect data quality and project research.
- Followed best practices and scientific protocol to reach defensible conclusions based on solid evidence.
- Collaborated with genomic data set professionals to advance research and gain deeper understanding of topics.
- Compiled and clustered the genomic data in reports and other documents using R-Programming.
- Computed complex statistical analyses and interpreted data using R-Programming.

20/05/2022 – 02/10/2022	**Visiting Scholar at Risk**

Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy, at the University of Milan (UNIMI) – Italy.
- Contributed to the preparation of teaching materials for the use of R for statistical analysis of biological data, developing R-scripts for performing exercises in descriptive analysis and graphical representations of quantitative and qualitative data.
- Conducted a seminar on the introduction of the use of R as part of the course on Genetic Improvement and Biotechnology Applied to Animal Husbandry for master's degree students.
- Contributing to the analysis of FAO and European community statistical datasets on the consistencies of the principal ruminant species in different countries of the world to highlight their population trends over the last twenty years.
- Teaching the concept of applied statistics for those students who would be conduct his/her research in the fields of agricultural, biotechnological, genetics and environmental sciences.

21/10/2022 – present	**Research Fellow**

Department of Statistical Science "Paolo Fortunati", Alma Mater Studiorum University of Bologna (UNIBO), Italy.

- Working closely with data-owners from department evaluating system to understand the students' performance and identify the feedback of students about the quality of lectures and university services.
- Develop and implement new statistical model and methods to understand the mining of collected data.
- Research and be up to date on state-of-the-art methodologies in related to application domains of statistical models and methods.
- Develop ideas for application of operational research outcomes.
- Contribute to knowledge exchange and knowledge transfer activities with external partners and collaborators.
- Writing or contributing to publications for disseminating research findings.
- Make demos and presentations for exhibiting work at appropriate events.

EDUCATION AND TRAINING

01/03/2001 – 31/12/2004

Bachelor of Science (Mathematics)
Faculty of Science, Kabul University, Kabul-Afghanistan
Website: https://www.ku.edu.af/
- Linear Algebra.
- District Algebra.
- Real Analysis.
- Functional Analysis.
- Differentials Equation.
- Geometry.
- Statistics and Probability.

05/05/2008 – 02/06/2008

Training Course: Education Management for Afghan Educational Leaders and Educators
Southeast Asian Ministers of Education Organization (SEAMOEO-Regional Training Centre), Ho Chi Minh, Vietnam.
Website: https://www.vnseameo.org/

01/10/2009 – 29/11/2009

Training Course: Three Intensive Mathematics Pedagogy Seminars
USAID- Higher Education Project (HEP), Indiana University and Kabul University, Kabul Afghanistan.

12/12/2012 – 07/01/2015

Master of Science (Statistics)
Department of Statistics, Faculty of Science and Industrial Technology, University Malaysia Pahang (UMP).
Website: https://fistsistec.ump.edu.my/index.php/en/
- Quantitative Research Methods.
- Survey and Questionnaire.
- Programming (SPSS, SmartPLS, R, Amos, and so forth).
- Descriptive Analysis.
- Confirmatory Factor Analysis.
- Structural Equation Modelling.

PERSONAL SKILLS

Mother tongue(s)   **Persian (فارسی)**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Italian	A1	A2	A1	A1	A2
Pashto (پشتو)	C2	C2	C2	C2	C2

Communication skills	• Active listening. • Always adapting my communication style to the listeners. • Giving and receiving constructive feedback. • During the presentation I have enough self-confidence. • In my communication the volume adjustable and clarity. • Empathy and respect to audience.
Organisational / managerial skills	• Leadership: Creating, keeping deadlines, making schedules and making decisions. • Coordinating research: Team management and investigated in several small research project. • Mentoring: have been mentor to undergraduate students and research team. • Supervision: supervised schoolteachers and graduated students at the university.
Job-related skills	• Data management. • Qualitative and quantitative data analysis. • Research and data analytical skills. • Survey. • Online survey platforms. • Structural Equation Modelling.
Computer skills	• Good command of Microsoft Office™ tools. • Data science and analysis: MySQL, SAS, SPSS, R, SmartPLS, AMOS, Mplus, data mining, open source.

ADDITIONAL INFORMATION

Teaching Titles	• Assistant. prof. of University of Bamyan, Afghanistan (since 2018). • Honorary Senior Lecturer, Faculty of Natural Science, Department of Mathematics, Bamyan University, Afghanistan (since 2011).

CONFERENCE AND SEMINARS

05/03/2014 – 06/03/2014	Creation, Innovation, Technology & Research Exposition (CITREX-2014), University Malaysia Pahang, Malaysia. Topic: Modelling of Students attitudes Toward learning in Statistics: A case Study in UMP.
28/05/2014 – 30/05/2014	The International Conference on Mathematics, Engineering & Industrial Application 2014 (ICoMEIA 2014), University Science Malaysia - Penning City, Malaysia. Topic: Students' attitudes towards learning statistics, AIP-Conference proceeding. https://conferencealerts.com/show-event?id=124552
12/08/2014 – 14/08/2014	The 2nd ISM International Statistical Conference 2014 with Application in Science and Engineering (ISM-II 2014). University Malaysia Pahang - Kuantan City, Malaysia. Topic: Comparative analysis of positive and negative attitudes toward statistics; AIP - Conference proceeding. https://aip.scitation.org/doi/abs/10.1063/1.4907418
14/10/2014 – 16/10/2014	The 10th IMT-International Conference on Mathematics, Statistics and its Application (ICMSA 2014), University Malaysia Terengganu -Terengganu City, Malaysia. Topic: Gender, Attitudes and achievement in statistics courses. https://conferencealerts.com/show-event?id=132900
22/06/2022 – 24/06/2022	LIBERTAS Spaces and Practice of Academic Freedom, - June 2022. Topic: Academic Freedom for Scholar at Risk. https://800anniunipd.it/en/event/sar-libertas/

HONOURS AND AWARDS

March 2014	**Bronze Medal: Poster presentation – University Malaysia Pahang.** My poster presentation qualified by panel with honours and ranking 3rd (Bronze Medal) among postgraduate students at University Malaysia Pahang.

27/02/2017	**Research Grant (MoHE/HEDP/IRP/ 54 -2017): – Ministry of Higher Education and Higher Education Project.** Topic: Relationship between Internet Addictions and Academic Performance among Afghans University Students.
30/12/2018	**Best Paper Award-2018 – International Journal of Innovative Research and Scientific Studies.**
22/12/2019	**Research Grant (MoHE/HEDP/IRP/55-2019) – Ministry of Higher Education and Higher Education Project.** Topic: Facebook Addiction among Afghan University Students: A Structural Equation Modelling.
22/12/2019	**Research Grant (MoHE/HEDP/GRP/08-2019 – Ministry of Higher Education and Higher Education Project.** Topic: The Role of Sustainable Mountain Tourism on Poverty Reduction and Social Inclusion in Bamyan, Afghanistan.
09/08/2020	**3rd degree Institutional award-2021 – Minster of Higher Education of Afghanistan.** Minster of Higher Education of Afghanistan for excellence in teaching, participation in the volunteer activities at Bamyan University awarded me 3rd degree institutional letter of commendation.
26/12/2020	**Research grant (MoHE/HEDP 10-2020) – Ministry of Higher Education and Higher Education Project.** Topic: Undergraduate University Students' Attitudes toward Science learning using Technology; A Structural Equation Modelling.

REFERENCES

Prof. Cynthia Viroli	Department of Statistical Science "Paolo Fortunati", University of Bologna (UNIBO). Phone: (+39) 051 20 9 8214. Email: cinzia.viroli@unibo.it
Prof. Crepaldi Paola	Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy. University of Milan (UNIMI). Phone: (+39) 0253016442. **Email:** paola.crepaldi@unimi.it
Prof. Dr. Mohd Rashid	Department of Statistics, Faculty of Industrial Science and Technology, University Malaysia Pahang (UMP). Phone: (+60) 143385947. **Email:** rashid@ump.edu.my

PUBLICATIONS

Ghulami, H. R., Hamid, M.R.A., ZAKARIA, R. (2014). Partial least squares modelling of attitudes of students towards learning statistics. *J Qual Meas Anal JQMA*, 10(1), 1-16.

Ghulami, H. R., Hamid, M. R. A., Ibrahim, M. R., Hikmat, A., & Aziz, H. (2018). Relationship between Internet addictions and academic performance among Afghan universities students. *International Journal of Innovative Research and Scientific Studies (IJIRSS)*, 1(4).

Ghulami, H. R., Hamid, M. R. A., & Zakaria, R. (2015, May). Students' attitudes towards learning statistics. In *AIP Conference Proceedings* (Vol. 1660, No. 1, p. 050035). AIP Publishing LLC.

Ghulami, H. R., Ab Hamid, M. R., & Zakaria, R. (2015, February). Comparative analysis of positive and negative attitudes toward statistics. In *AIP Conference Proceedings* (Vol. 1643, No. 1, pp. 212-218). American Institute of Physics.

Siti Fatimah, A. Z., Norhafizah, M. S., Rozieana, K., & **Ghulami, H. R.** (2015). A Study of Students™ Performance in Calculus and Their Attitudes Toward the Course Using a Tripartite Model. *International Journal of Humanities, Arts and Social Sciences*, 1(1), 30-35.

Ghulami, H. R., Roesh, A. S., Ibrahim, M. R., Akbari, M., & Mohammadi, H. (2021). Facebook Addiction among Afghan University Students: A Structural Equation Modelling. *Indian Journal of Data Communication and Networking*, 1(2), 1-9.

Mohammadi, H., **Ghulami, H. R.**, & Rezaei, A. Q. Simulation of Total Dry Matter Production of (Glycine Max L. Merrill) Under Weed Management Practices.