



## Summary

I am currently Deputy of Technical College of Management- Mosul and a Lecturer in statistics at Northern Technical University (NTU). I have extensive experience in teaching across multiple applied statistics related programmes, years of study and teaching environments. I have a strong track record for delivering student centred teaching and enhancing the student experience and reputation of the School and University. I am a **career researcher** whose interests lie in **applied statistics research** and the study of **upper limb recovery** using modern **prediction** and **classification modelling**. I am therefore perfectly placed as a statistician with technical experience to work in evidenced based teaching and translational research that will impact statistics practice. I actively engage with publication and dissemination of research activity alongside preparation of grant applications for external funding. I have established links and **collaborated with researchers who are** recognised as international of excellence.

## Education

2015 – 19 **PhD**, Applied statistics, *Applied statistical methods for prediction modelling of upper limb functional recovery after stroke*. Doctoral thesis, Keele University. UK <sup>†</sup>

200 – 14 **MSc**, Applied statistics, Adaptive regression model (Comparison study), 2<sup>st</sup> class, Mosul university, Iraq. <sup>†</sup>

1997 – 200 BSc (Hons), statistics, 3<sup>st</sup> class, Mosul university, Iraq.

## Experience (Current role)

2019 – Research Assistant, Keele University\* <sup>†</sup>

2019 – Teaching Lecturer in Department of Statistics and Informatics Technologies, NTU, IRAQ. \* <sup>†</sup>

2006-2014 Teaching Lecturer in Department of electrical power technologies, IRAQ. \* <sup>†</sup>

## Duties and responsibilities

### Teaching

- Contribute to research-led teaching at undergraduate and postgraduate level \*
  - ❖ Programmes within the School of Technical college of Management – Mosul/ Iraq BSc, MSc, MSc and Pre-reg Management Masters, BSc statistics and informatics techniques <sup>†</sup>
- Undertake assessment and examination duties, including marking and organisation of assessments \*
- Supervise student research projects at undergraduate and postgraduate level \*
- Engage in appropriate research to contribute to excellence in research and evidence-based teaching \*
- Participate in student applied statistics placement supervision <sup>†</sup>
- Teach statistics to undergraduate statistics and informatics techniques. +
- Deliver lectures, seminars and practical classes across the undergraduate and postgraduate programmes using appropriate teaching, learning support and assessment methods.
- Module leadership development and identification of student learning needs and objectives.
- Innovative use of IT/technology in learning environments.
- Provide pastoral support to undergraduate and postgraduate students.
- Undertake defined administrative responsibilities.
- Participate actively in School income generation and promotional, innovation and enterprise activities.

## Curriculum Vitae: AHMAD NAJIM SHEET AL-SHALLAWI

### Research

- Research Group Lead for the multidisciplinary School Allied Health Professions. \*†
- Develop research collaborations within the University and externally at local, national and international levels \*
- Publish research papers in peer-reviewed journals and at appropriate national and international conferences. \*
- Contribute to collaborative decision-making with colleagues in areas of research, using new research techniques and methods, and using creativity to analyse and interpret research data and draw conclusions on the outcomes. \*
- Use initiative and creativity to identify areas for research and potential sources of funding. \*
- Working to deadlines and managing projects independently, both individual and collaborative research projects \*

### Relevant skills

- Competent in the following software packages \*†
- R, Latex, Matlab, \*†
- Using SPSS of the data analysis. \*+
- How to explain and interpret the results and writing the report\*+.

### Clinical

- Design a Randomised Control trial (RCT)

### Teaching and educational leadership

#### Keele University, 2014 - current

- Feb 2001-Teaching Statistics/ First and Second Year (2001 - 2005). Teacher Higher Institutes of teacher in Al Zawiya, Libya
- Feb 2006 Teaching Math's and Statistics/ First and Second Year (2006 - 2014). Teacher.
- Feb 2001- Jan 2006 → Teaching Statistics/ Higher Institute of Teacher Training at Zawia/ Libya

### Leadership and administration

- Jun 2006- July 2009 Manger of Statistics Unit Official/ Technical College/ Mosul, Iraq.
- July 2009- Oct 2013 → Quality and Performance Assessment Manager/ Technical College/ Mosul, Iraq.
- Sept. 2020 to Dec. 2021 Deputy for Administrative and Financial Affairs at the Technical College of Management – Mosul/ Iraq
- Dec. 2021 to till now Deputy for Scientific and Student Affairs at Technical College of Management – Mosul/ Iraq

### Publications

1. Dr Safa Y. Al-Saffawi, Ahmad N. Sheet, Al-shallawi, "Using an Adaptive Regression Model (A Comparative Study)", Al –Rafidian Journal, 2000. (Arabic Lang)
2. Ahmad N. Al-shallawi, "Estimate the parameter of linear regression model using flexible least square method ", The 12th Scientific Conference Foundation of Technical Education 2011. (Arabic Lang)
3. Khalid Mohammed Shaheen, Fatin Mahmoud Shehab, Ahmad Najim Sheet, "Environmental Awareness in the Community of Engineering Technical College/Mosul (Iraq)", "European Journal of Scientific Research." Volume 82 Issue 3. 2012.
4. Ahmad N. Sheet, " A Comparison Between Support Vector Machine for Regression (SVR) and Neural Network Back-propagation (BPNN): Applied Study for Tigris Monthly Flow the Water in Mosul City", Iraqi Journal of Statistics Science (IRQ.J.S.S). 2013. (Arabic Lang) 2013.
5. Fraser Philp, Ahmad Al-shallawi, Theocharis Kyriacou, Dimitra Blana, Anand Pandyan, "Improving predictor selection for injury modelling methods in male footballers" BMJ Open Sport & Exercise Medicine 2020. 5.

## Curriculum Vitae: AHMAD NAJIM SHEET AL-SHALLAWI

6. M Alt Murphy, A Al-Shallawi, KS Sunnerhagen, A Pandyan, " Early prediction of upper limb functioning after stroke using clinical bedside assessments: a prospective longitudinal study" *Scientific Reports* 12 (1), 2022
7. Ahmad NS Al-Shallawi, DKAR Al-Malah, " Using Ordinal Regression Models to Predict the Difficulties of Blended Education and their Impact on the Teacher and Student.(As a Model for the Northern Technical University), *Journal Of AL-Turath University College 2* (34), 2022.

### Abstracts:

- Al-Shallawi A, Blana D and Pandyan A, " Predicting of upper limb recovery post-stroke", *International Journal of Stroke*, Volume 11, Issue 4S, Nov. 2016. • Poster/ Presentations at 11TH UK Stroke Forum Conferences.
- Al-Shallawi A, Blana D and Pandyan A, " Improving variable selection for modelling recovery of upper limb function post-stroke", *International Journal of Stroke*, Volume 12, Issue 5S, Nov. 2017. • Poster/ Presentations at 12TH UK Stroke Forum Conferences.
- Al-Shallawi A, Blana D and Pandyan A, " What cut-off is indicative of no upper limb function in the Action Research Arm Test? " *International Journal of Stroke*, Volume 12, Issue 5S, Nov. 2017 • Poster/ Presentations at 12TH UK Stroke Forum Conferences. Personal Interest (Travelling and sightseeing, Sports and music).
- Al-Shallawi A, Blana D and Pandyan A, " Predicting of upper limb recovery post-stroke", RSS 2018 Conference being held on 03/09/2018 to 06/09/2018 at Cardiff City Hall

### PhD thesis

1. Al-Shallawi, Ahmad Najim Sheet (2019) *Applied statistical methods for prediction modelling of upper limb functional recovery after stroke*. Doctoral thesis, Keele University. [https://eprints.keele.ac.uk/view/creators/Al-Shallawi=3AAhmad\\_Najim\\_Sheet=3A=3A.html](https://eprints.keele.ac.uk/view/creators/Al-Shallawi=3AAhmad_Najim_Sheet=3A=3A.html)