

POSTDOCTORAL RESEARCH POSITION IN BIG DATA AND BUSINESS ANALYTICS

Title: Postdoctoral Researcher (Postdoc) in Big Data and Business Analytics

Employer: Ibn Haldun University

Location: Basaksehir Campus, Istanbul, Turkey

Faculty: School of Business

Programme: Big Data and Business Analytics

Position Type: Full-time, Fixed-term

Duration: 1 semester (extendable up to 2 semesters)

Work Hours: Full Time, 3 days per Week

Monthly Salary: TRY 40,000

Start Date: September 26, 2025

Application Deadline: October 31, 2025

Field: Big Data and Business Analytics, Artificial Intelligence, Machine Learning

Position Overview:

The **Big Data and Business Analytics Graduate Programme** at **Ibn Haldun University** is seeking a highly motivated **Postdoctoral Researcher** to support its research initiatives in the fields of **Big Data**, **Business Analytics**, and **Artificial Intelligence**.

We are particularly interested in candidates who have hands-on experience with AI-based solutions applied to business problems, such as intelligent decision support systems, predictive modeling, natural language processing, or generative AI. The selected candidate will be involved in interdisciplinary research projects, including potential collaborations with industry partners and government-funded initiatives.

In addition to conducting research and publishing in peer-reviewed journals, the successful candidate will contribute to departmental academic life by **assisting in undergraduate and/or graduate teaching, supervising or advising students**, and **participating in academic activities and curriculum development** where needed.

Key Research Areas Include (but are not limited to):

- Big Data Processing and Scalable Architectures (e.g., Spark, Hadoop, Flink)
- AI-Driven Business Analytics and Intelligent Systems
- Machine Learning, Deep Learning, and Generative AI
- Natural Language Processing (NLP) and Large Language Models
- Predictive Modeling and Forecasting in Business Contexts

- Data Mining, Visualization, and Interactive Dashboards
- Real-Time Analytics and Stream Processing

Required Qualifications:

- A completed (or nearly completed) Ph.D. in Computer Science, Data Science, AI, Business Analytics, Information Systems, Industrial Engineering, or a closely related field.
- Proven experience in **AI applications** in research or real-world projects, particularly in areas related to business analytics.
- Demonstrated involvement in **research and/or applied projects**, preferably externally funded (e.g., national or EU-level).
- Strong publication record or evident research potential in relevant areas.
- Proficiency in programming and data analytics tools (e.g., Python, R, TensorFlow, PyTorch, SQL, Spark).
- Familiarity with cloud platforms (AWS, Azure, Google Cloud) and MLOps is a plus.
- Strong communication and collaboration skills; ability to work independently and in interdisciplinary teams.
- Previous experience or willingness to contribute to university teaching and academic advising
- Excellent communication skills in English (Turkish is a plus but not required)

What We Offer:

- A monthly salary of TRY 40,000
- Accommodation at the University Guesthouse with a 50% discount, subject to availability,
- Eligibility to benefit from publication incentive payments,
- Eligibility to benefit from project revenues,
- An additional monthly payment equivalent to the extra course fee provided to full-time Assistant Professors, in case of teaching one course per semester as per the department's proposal.

In addition, postdoctoral researchers are entitled to the following benefits provided to university staff:

- University ID card and e-mail account,
- Office space, lunch, and shuttle service,
- Access to the Internet and Library databases,
- Printing and photocopying support,
- Access to healthcare services provided by the workplace physician and nurse.

Application Process:

To apply, please send the following documents to man@ihu.edu.tr and selim.zaim@ihu.edu.tr:

1. Cover letter describing research interests, project experience, and motivation (with specific emphasis on AI-related work)
2. Curriculum Vitae (CV), including full publication list
3. Names and contact information for at least two academic referees
4. A sample research paper or publication (preferably AI-related)

Contact Information:**Prof. Dr. Selim Zaim**

Head of Big Data and Business Analytics Department, Faculty of Management

Email: selim.zaim@ihu.edu.tr

Ibn Haldun University values diversity and interdisciplinary collaboration and welcomes applications from qualified candidates of all backgrounds.