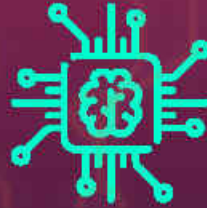




Research for Social Transformation & Advancement
PAKISTAN INSTITUTE OF DEVELOPMENT ECONOMICS



ARTIFICIAL INTELLIGENCE FOR SOCIAL SCIENTISTS

Training Program



29th - 31st
Januray



A.R. Kamal Seminar Hall,
PIDE, QAU Campus, Islamabad

rasta.pide.org.pk

The training course “Artificial Intelligence (AI) for Social Scientists” is designed to equip individuals with the fundamental concepts and practical skills required to leverage AI in their respective fields. The program will be aimed at professionals and university students who wish to develop foundation in AI and learn how to apply it solving real-world problems. This course consists of three days (03 Hours * 03 Days). The training program will commence with an introductory session on the first day, wherein participants will be equipped with the foundational knowledge of Artificial Intelligence alongside the basics of the Python programming language. The subsequent two days will involve the practical application of AI methodologies in addressing pertinent economics questions through the examination and analysis of data. Participants will explore prevalent AI techniques and conduct a comprehensive predictive analysis of the gathered data to provide well-informed solutions.

LEARNING OUTCOMES

Upon the completion of three days training course, the participants will be able to:

- ✚ Gain a comprehensive understanding of AI concepts & their applications in social sciences
- ✚ Effective use of ChatGPT
- ✚ Learn the basics of the Python programming language
- ✚ Enhance analytical & problem-solving skills for effective implementation of AI methodologies
- ✚ Learners to integrate AI-generated insights into decision making while acknowledging the limitations and potential biases of these technologies
- ✚ Create predictive models to provide insights into future trends & patterns based on historical data
- ✚ Work on real-world projects to gain experience & communicate findings to diverse audiences

TRAINING SCHEDULE

Day	Time	Topics	Resource Persons
Monday 29 th Jan	10:00	Introduction to AI	Izzah Salam & Fakhera Nazir
	10:30	Applications of AI in Social Science	
	11:00	ChatGPT	
	12:00 – 13:00	Python Basics	
Tuesday 30 th Jan	10:00	Recap Day 1	Ayyaz Hussain
	10:15	Data Pre-processing	
	11:00 – 13:00	Regression using AI models	
Wednesday 31 st Jan	10:00	Recap Day 2	Ayyaz Hussain
	10:15 – 13:00	Classification & Clustering	

Who should attend this course?

1. Ayyaz Hussain

Professor of Computer Science at the Quaid-i-Azam University, Islamabad. He worked as Research Professor at the Gwangju Institute of Science and Technology, South Korea during 2013-2014. His expertise includes Artificial Intelligence, Neural Network, Theory of Computation, and Digital Image processing.

2. Fakhera Nazir

Lecturer at the University of Gujrat. She completed her MS in Computer Science from the NUST in 2018. Her main expertise is programming languages like C# and Python. Her research interest are Machine Learning, Deep Learning and AI.

3. Izzah Salam

Data Scientist at the Pakistan Institute of Development Economics, Islamabad. She completed her MPhil in Computer Science from the Quaid-i-Azam University, Islamabad, in 2021. She is professional trainer and carries expertise in Machine Learning, Social Network Analysis, Deep Learning, and Data Mining.

Who should attend this course?

This training is specifically designed for researchers, academicians, university students, and practitioners with background in social sciences.

How to register

Interested individuals are required to fill out the online Google Form <https://forms.gle/NzHXWwxznmjriihN8> latest by Sunday 20th Jan 2024.

There are only 30 seats available. Preference will be given to mid-career researchers, academicians, and practitioners on a first come first serve basis.

COURSE FEE

There is NO course fee. The course is sponsored by the RASTA program at PIDE. Selected participants will be required to bring official consent letter from their organizations (in case of professionals) or Recommendation Letter from their research supervisor/ HoD (in case of university students).

CONTACT

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