UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Artificial Intelligence in Healthcare

2021-3-H4102D066

Aims

Understand what Artificial Intelligence and Machine Learning are, what are their benefits and limits.

Understand the role of AI and its application in healthcare now and in the near future.

Contents

ARTIFICIAL INTELLIGENCE IN HEALTH CARE and PRESENT STATE & FUTURE OF ARTIFICIAL INTELLIGENCE IN MAJOR HEALTHCARE

Detailed program

- A BRIEF INTRODUCTION TO ARTIFICIAL INTELLIGENCE IN HEALTH CARE
- MYTHS ABOUT AI APPLICATIONS IN HEALTH CARE
- ARTIFICIAL INTELLIGENCE – BENEFITS & RISKS
- ARTIFICIAL INTELLIGENCE IN THE HEALTH SECTOR
- ARTIFICIAL INTELLIGENCE VERSUS HUMAN INTELLIGENCE
- FUTURE OF ARTIFICIAL INTELLIGENCE IN THE HEALTH SECTOR

- ARTIFICIAL INTELLIGENCE & NEURAL NETWORKS
- ETHICAL QUESTIONS FOR ARTIFICIAL INTELLIGENCE IN HEALTH CARE
- PRESENT STATE & FUTURE OF ARTIFICIAL INTELLIGENCE IN MAJOR HEALTHCARE SPECIALTIES

Prerequisites

Basic computer science knowledge

Teaching form

Classical lesson (to be delivered in the online mode if needed).

Textbook and teaching resource

Artificial Intelligence in Healthcare di Dr Parag Suresh Mahajan MD

Semester

Assessment method

Oral + presentation of an article on AI application in medicine

Office hours