

Big Data in Health Research

Course Director: Professor Asselbergs and Dr Schmidt (Utrecht)

Monday, 19.08.2019		
Time	Activity	Person
10:00-11:30	Introduction to machine learning in healthcare	Eijkemans (UMCU)
11:30-13:00	Using big data for drug target discovery	Finan (UCL)
13:00-14:00	Lunch	
14:00-15:00	Legal and ethical challenges of Big Data	Mostert (UMCU)
15:00-16:30	Case study: Heart Failure health	Asselbergs (UMCU)

Tuesday, 20.08.2019		
Time	Activity	Person
10:00-11:30	Introduction to EHR and data linkage	Denaxas (UCL)
11:30-13:00	Data visualisation	Taylor (UCL)
13:00-14:00	Lunch	
14:00-16:00	Python for Health Data Research: A primer	Kunz (UCL)
16:00-16:30	Group assignment	Kunz (UCL)

Wednesday, 21.08.2019		
Time	Activity	Person
10:00-13:00	Big Data Bioinformatics: AI Approaches	Moore (U Penn)
13:00-14:00	Lunch	
14:00-15:30	Big Data Bioinformatics: Data exploration	Moore (U Penn)
15:30-16:30	Group assignment	Schmidt/Kunz (UCL)

Thursday, 22.08.2019		
Time	Activity	Person
10:00-13:00	Natural Language Processing for Healthcare Data	Bagheri (UMCU)
13:00-14:00	Lunch	
14:00-15:30	Case study: psychiatry	Scheepers (UMCU)
15:30-16:30	Wearables and AF detection	Hae-Won (UMCU)
16:30-17:00	Group assignment	Kunz (UCL)

Friday, 23.08.2019		
Time	Activity	Person
10:00-11:30	Case study: Exposome	Roel Vermeulen (UU)
11:30-12:30	Personalized medicine using routine world data	Schmidt (UMCU)
12:00-13:00	Lunch	
13:00-16:00	Group assignment and Interactive session: Data-driven Decision Support Systems in Healthcare	Kunz (UCL)