

Recent developments in various *information and communication technologies* have led to many new opportunities in the *Life Sciences & Health* (LSH) sector. To benefit from these developments and fully grasp these new opportunities, professionals (researchers as well as practitioners) working in this sector should further develop their *digital skills*, especially those concerning *data science*.

About this program

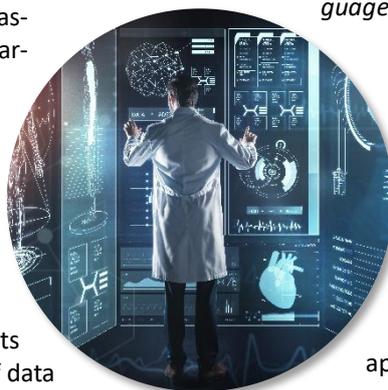
In the context of the Helis Academy and as part of its *data analysis and stewardship* program, TU/e and its partners provide a series of *training sessions* for (aspiring) *professionals* in the LSH sector on various methods, techniques, tools and best practices related to *data science*.

About this training

This *online* program, designed by TU/e, equips you with knowledge needed to *transform your career*. Through an **engaging mix** of introductions to key concepts and technologies, business insights and examples, you'll explore the reality of data science technologies today and how they can be harnessed to support your work. Focussing on key data science technologies, such as machine learning, the program helps you understand to implications of these new technologies for the future of the LSH sector.

This online program is unique as it provides **ample opportunity** for you to **interact** with experts of TU/e as well as with the experienced experts from industry and to get new insights first-hand from them. We provide the opportunity to get insights on **theory, current practice** in industry and possible **future practice** in industry within just one day, right from behind your own PC.

Additionally, before the session we provide personal *technical assistance* on getting software up and running on your own PC and during the session we provide Dutch *language support*.



Who this training is for?

This training is aimed at (employers of) (aspiring) science and engineering professionals working in industry performing R&D and (technological) innovation aimed at the development of (enabling systems for developing) products, components, systems, services, processes, best practices, etc. for (improving) specific applications in the LSH sector.

What you will learn

At the end of the training, you should be able to *identify* and *explain* the key concepts of (automated) machine learning, to *outline* its use in practice, to *use* one or more relevant techniques and tools in LSH context using minimal guidance, to *apply* these to your own work with limited guidance, *identify* and *assess* the benefits of (automated) machine learning for a sustained career in the Life Science & Health sector, and to *identify* and *describe* gaps in your competence profile.



"Even within a given occupation, day-to-day work activities will change as machines take over some proportion of current tasks. Workers may need different skills as a result." McKinsey, *The Future of Work in Europe*, 2020

Registration
<https://rb.gy/sfd0n0>

Who you will learn from

-  dr. Joaquin Vanschoren
TU/e Department of Mathematics and Computer Science
-  Rita Neves, M.Sc.
TU/e Department of Mathematics and Computer Science
-  dr. ir. Bram Cappers
AnalyzeData
-  To Be Confirmed
Company Y

"The healthcare innovation pathway must be adapted to meet the needs of new digital health technologies. The nature of these new types of products and services means that alternative approaches are urgently needed at all phases and stages of the pathway, from ideation through to product development, methods of testing, generation of evidence, proof of value, implementation, usability and adoption." EIT Health Think Tank, *Recommendations on Future-proofing Europe's digital health innovation pathway*, June 2020