

Bibliometrics and Scientometrics for Research Evaluation

We are happy to announce the fourth edition of the course Bibliometrics and Scientometrics for Research Evaluation will take place as an online course. The course is provided by Leiden University's Centre for Science and Technology Studies (CWTS) in collaboration with the Galter Health Sciences Library at Northwestern University, Feinberg School of Medicine. CWTS, located in Leiden, the Netherlands, is a world-leading research center in the field of bibliometrics and scientometrics and an important provider of high-quality bibliometric statistics. Galter Library works closely with Northwestern University's Clinical and Translational Science Institute (NUCATS) to provide support on evaluation and continuous improvement.

The course Bibliometrics and Scientometrics for Research Evaluation offers a deep insight into the use of citation analysis, bibliometric visualization, and other related tools for evaluating scientific research. Information on the course, including the course program, is offered below.

Aim

The course aims to provide participants with a thorough understanding of citation analysis and bibliometric visualization, focusing on their use in research evaluation. After completing the course, you will be able to:

understand and interpret a wide range of publication- and citation-based statistics;
use the VOSviewer software developed at CWTS in a proficient manner to create your own professional bibliometric visualizations; and
reflect critically on proper and improper use of bibliometric and scientometric information in the evaluation of scientific research.

Audience

The course aims to serve a broad audience that includes anyone with a professional interest in citation analysis, bibliometric visualization, and other scientometric tools for research evaluation. The course is most beneficial for participants that already have some basic knowledge on bibliometrics and citation analysis.

Venue

The previously in-person course has been changed to a fully online course.

Schedule

The course is scheduled for 9-12 November (Monday – Thursday), 2020.

Daily from 9 – 11 am (CST) and 12 – 2 pm (CST) each day. Additionally, each morning begins with an optional 8:30 am (CST) "Ask Me Anything" session.

Course Program

Day 1: Introduction and scientometric data sources

Welcome

Scientometrics for research management and research evaluation

Scientometric data sources

Day 2: Evidence - Scientometric indicators 'Evidence'

Citation indicators

Journal indicators

Other scientometric indicators

Day 3: Insight - Scientometric visualization 'Insight'

Online Course

Co-authorship maps using VOSviewer
Citation-based maps using VOSviewer
Term co-occurrence maps using VOSviewer

Day 4: Learning - Advanced topics 'Learning'

Advanced analytics
Responsible metrics
Evaluative inquiry

Lecturers

The course is provided by the following lecturers:

Ludo Waltman PhD: Ludo is professor of Quantitative Science Studies and deputy director of CWTS. He is one of the developers of the popular VOSviewer software, He is also responsible for the CWTS Leiden Ranking. Ludo is Editor-in-Chief of Quantitative Science Studies, a recently established scientific journal in the field of scientometrics.

Ed Noijons PhD: As operational director of CWTS, Ed is responsible for applied bibliometric analyses carried out by CWTS. Ed has over 25 years of experience in bibliometric research and applied bibliometric projects. His research interests include structuring and mapping of science, with a focus on applications in science policy and research management.

Tjitske Holtrop PhD: Tjitske is a postdoctoral researcher at CWTS in the SES research group. She studies the practices of evaluation: how are questionnaires made, what do numbers do, how are reports written or what happens in meetings? Trained as an anthropologist she studies how evaluation gets done, what kind of resources and people they mobilize, and what kinds of practices, collectives and ideas of accountability, change and quality they make possible.

Rodrigo Costas PhD: Rodrigo is a senior researcher at CWTS. In addition, he is also an Extraordinary Associate Professor at CREST of Stellenbosch University (South Africa). His areas of expertise include the fields of information science, scientometrics, and social media metrics. At CWTS he leads the research line in 'altmetrics', focused on developing new theoretical and analytical approaches to study the interactions between social media and science.

The local organizers of the course are Kristi Holmes and Karen Gutzman from the Galter Health Sciences Library at Northwestern University.

Course fee

The course fee is € 900. This includes tuition and course material.

Registration

Please be so kind as to verify with you're credit card company whether payments in Euro amounts to overseas accounts can be done.

To register for the course please use this booking form.

Contact

Please contact Mark Neijssel at m.neijssel@cwts.leidenuniv.nl if you have any questions about the course.