

ADDITIONAL FREE ONLINE RESOURCES ON DATA MANAGEMENT SKILLS FOR HIGHER EDUCATION STAFF

Resource topic	Description	Name/Link	Observations
Introduction to Data Analysis using Excel	<i>Introduction to Reporting in Excel: Excel Tables, Basic Pivot Tables, Dashboards, Comparing Year over Year in Pivot Tables, Reporting Hierarchical Data, Introduction to multi-table pivot tables and the data mode</i>	Microsoft's DAT205x	Hosted on Edx and delivered by Microsoft You can take the course at your own pace
Data Analysis: Take it to the MAX	<i>EX101x is for all of those struggling with data analysis. We will take a deep dive into data analysis with spreadsheets: PivotTables, VLOOKUPS, Named ranges, what-if analyses, making great graphs. After, we will investigate the quality of the spreadsheet model, and especially how to make sure your spreadsheet remains error-free and robust. Finally, we will demonstrate other ways to store and analyze data. We will also look into how Python, a programming language, can help us with analyzing and manipulating data in spreadsheets.</i>	DelftX's EX101x	Hosted on EdX and delivered by Delft University You can take the course at your own pace
Data Analysis: Visualization and Dashboard Design	<i>Advanced data analysis course if you have already sharpened your spreadsheet skills in EX101x Data Analysis: Take It to the MAX(). This course covers importing, summarizing, interpreting, analyzing and visualizing data. Most techniques will be taught in Excel with add-ons and free tools available online. EX102x will be created using Excel 2013, but the course can be followed using another spreadsheet program as well.</i>	DelftX's EX102x	Hosted on EdX and delivered by Delft University You can take the course at your own pace
Practical Learning Analytics	<i>Introduction to learning analytics in higher education. To keep it practical, we will focus on using traditional student record data, the kinds of data every campus already has. To make it interesting, we will address questions raised by an array of different stakeholders, including campus leaders, faculty, staff, and especially students. To provide analytic teeth, each analysis we discuss will be supported by both realistic data and sample code.</i>	Practical Learning Analytics	Hosted on EdX and delivered by University of Michigan You can take the course at your own pace
Frameworks for the Assessment of Internationalisation	<i>Methodology to assess the quality of internationalisation in higher education. The overall aim of the project partners was to assess, enhance and reward internationalisation at higher education institutions.</i>	CeQuInt Project	Developed by European Consortium for Accreditation

Assessment of international partnerships	<i>A user-friendly web-based tool that helps Higher Education Institutions to improve the quality of their cooperation with partner institutions.</i>	eQuatic Project	Developed by Ghent University in collaboration with Flemish Higher Education Institutions
Data capability toolkit for higher education institutions	<i>The toolkit has four components: 1. Data improvement process: a logical flow of steps to assess your current maturity and create a data improvement plan customised for your organisation. 2. Signposting: detailed information and guidance to explain data management concepts and how they fit into the plan. 3. Templates and examples: examples of how to create the collateral for the improvement plan. 4. Query tools: explore benefits, risks, characteristics and gaps.</i>	HEDIIP Data Capability Toolkit	Developed by the Higher Education Data and Information Improvement Programme UK
Internationalisation of higher education indicators and assesement	Examples of how internationalization can be monitored that include guides, projects, toolkits and other literature	Internationalization of Higher Education Virtual Resource Center	Developed by the International Association of Universities (IAU)
Use of student data in higher education	<i>Ethical norms colleges should use in handling the reams of data they're increasingly accumulating about their students' lives in and outside the classroom. The next step in the process would be creating concrete "responsible use of student data" policies for the information on students produced from learning-management systems, automated courseware, registration portals, and other electronic systems.</i>	Responsible use of student data in higher education project	Developed by Stanford University CAROL and Ithaca S+R
Self-evaluation of institutional activities and objectives related to internationalisation	<i>MINT is short for Mapping Internationalisation. It is a tool that allows institutions to map their internationalisation activities and objectives through a digital self-evaluation form that generates a convenient outline of various activities and objectives related to internationalisation. Facilities, quality assurance measures and outcomes are also addressed in the evaluation. The tool can be used by higher education institutions or institutional subdivisions such as individual faculties and, in particular, study programmes.</i>	MINT Project	Developed by EP-Nuffic Netherlands