

Digital Skills Lab Course Catalogue

Develop key skills you need to achieve your personal, professional and academic goals



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AI

Self-study courses

[AI for Social Sciences](#)

[Machine Learning 1: Cats and Dogs Image classification](#)

[Machine Learning 2: Face Detection Algorithms](#)

[Microsoft: AI Business School Industry Learning Paths](#)



Coding

Workshops

[Python Fundamentals](#)

[R Fundamentals](#)

[VBA](#)

Self-study courses

[Codecademy: Learn How to Code](#)

[OpenLearn: Learn to code for data analysis](#)





CSS

Self-study courses

[Codecademy: Learn CSS](#)



Cybersecurity

Self-study courses

[Codecademy: Introduction to Cybersecurity](#)





Excel & VBA

In-person workshops

[Excel 1: Calculated Worksheets](#)

[Excel 2: Numeric Calculations](#)

[Excel 3: Essential Functions](#)

[Excel 4a: Lookup Functions](#)

[Excel 4b: Pivot Tables](#)

[Excel 4c: Sorting and Filtering](#)

[Excel 4d: Charting Data](#)

[Excel 4e: Data Tools](#)

[Excel 4f: What-if Analysis](#)

[Excel 5: Complex Calculations](#)

[Excel 6: Using Macros](#)

Online workshops

[Excel 1: Calculated Worksheets \(online\)](#)

[Excel 2: Numeric Calculations \(online\)](#)

[Excel 3: Essential Functions \(online\)](#)

[Excel 4a: Lookup Functions \(online\)](#)

[Excel 4b: Pivot Tables \(online\)](#)

[Excel 4c: Sorting and Filtering \(online\)](#)

[Excel 4d: Charting Data \(online\)](#)

[Excel 4e: Data Tools \(online\)](#)

[Excel 4f: What-if Analysis \(online\)](#)

[Excel 5: Complex Calculations \(online\)](#)

[Excel 6: Using Macros \(online\)](#)





Excel & VBA

In-person workshops

[VBA 1: Elements and Variables](#)

[VBA 2: Worksheet Manipulation](#)

[VBA 3: Data Manipulation](#)

[VBA 4: Debugging and Troubleshooting](#)

[VBA 5: Report Generation](#)

Online workshops

[VBA 1: Elements and Variables \(online\)](#)

[VBA 2: Worksheet Manipulation \(online\)](#)

[VBA 3: Data Manipulation \(online\)](#)

[VBA 4: Debugging and Troubleshooting \(online\)](#)

[VBA 5: Report Generation \(online\)](#)





Git

Self-study courses

[Introduction to Git and GitHub](#)





HTML

Self-study courses

[Codecademy: Learn HTML](#)



Self-study courses

[Introduction to NVivo](#)

[Querying in NVivo](#)

Other resources

[QSR tutorials and webinars on YouTube](#)





PowerPoint

In-person workshops

[PowerPoint 1: Designing Slides](#)

[PowerPoint 2: Formatting Slides](#)

[PowerPoint 3: Professional Slides](#)

Online workshops

[PowerPoint 1: Designing Slides \(online\)](#)

[PowerPoint 2: Formatting Slides \(online\)](#)

[PowerPoint 3: Professional Slides \(online\)](#)



In-person workshops

[Python Fundamentals 1: Numerical Variables](#)

[Python Fundamentals 2: String Variables](#)

[Python Fundamentals 3: Converting](#)

[Python Fundamentals 4: Lists](#)

[Python Fundamentals 5: List of lists](#)

[Python Fundamentals 6: Functions](#)

[Python Fundamentals 7: For loops](#)

[Python Fundamentals 8: Conditionals](#)

[Python Fundamentals 9: Writing functions](#)

Online workshops

[Python Fundamentals 1: Numerical Variables \(online\)](#)

[Python Fundamentals 2: String Variables \(online\)](#)

[Python Fundamentals 3: Converting \(online\)](#)

[Python Fundamentals 4: Lists \(online\)](#)

[Python Fundamentals 5: List of lists \(online\)](#)

[Python Fundamentals 6: Functions \(online\)](#)

[Python Fundamentals 7: For loops \(online\)](#)

[Python Fundamentals 8: Conditionals \(online\)](#)

[Python Fundamentals 9: Writing functions \(online\)](#)



In-person workshops

[Working with Tabular Data 1: NumPy Arrays](#)

[Working with Tabular Data 2: NumPy 2D Arrays](#)

[Working with Tabular Data 3: Pandas Basics](#)

[Working with Tabular Data 4: Pandas Indexing](#)

[Working with Tabular Data 5: Pandas Data Exploring](#)

Online workshops

[Working with Tabular Data 1: NumPy Arrays \(online\)](#)

[Working with Tabular Data 2: NumPy 2D Arrays \(online\)](#)

[Working with Tabular Data 3: Pandas Basics \(online\)](#)

[Working with Tabular Data 4: Pandas Indexing \(online\)](#)

[Working with Tabular Data 5: Pandas Data Exploring \(online\)](#)



In-person workshops

[Data Visualization in Python 1: Line Plots with Matplotlib](#)

[Data Visualization in Python 2: Scatter, Bar Plots and Histograms with Matplotlib](#)

[Data Visualization in Python 3: Plotting with Pandas and Seaborn](#)

Online workshops

[Data Visualization in Python 1: Line Plots with Matplotlib \(online\)](#)

[Data Visualization in Python 2: Scatter, Bar Plots and Histograms with Matplotlib \(online\)](#)

[Data Visualization in Python 3: Plotting with Pandas and Seaborn \(online\)](#)



Self-study courses

[Codecademy: Exploratory data analysis with Python](#)

[Codecademy: Learn the basics of blockchain with Python](#)

[Codecademy: Learn web scraping with BeautifulSoup](#)

[Dataquest: Introduction to Python for Data Science](#)

[Machine Learning 1: Cats and Dogs Image classification](#)

[Machine Learning 2: Face Detection Algorithms](#)

[Microsoft: Take your first steps with Python](#)

[OpenLearn: Learn to code for data analysis](#)

[Text Analysis with Python](#)

[UCL: Introduction to Research Programming \(with Python\)](#)





R

In-person workshops

[R Fundamentals 1: Numerical Variables](#)

[R Fundamentals 2: Vectors, Functions, and Indexing](#)

[R Fundamentals 3: Strings, Factors, and Type Conversion](#)

[R Fundamentals 4: Data Frames](#)

[R Fundamentals 5: Loading data and packages](#)

[R Fundamentals 6: Conditionals and Logic](#)

[R Fundamentals 7: Lists and Matrices](#)

Online workshops

[R Fundamentals 1: Numerical Variables \(online\)](#)

[R Fundamentals 2: Vectors, Functions, and Indexing \(online\)](#)

[R Fundamentals 3: Strings, Factors, and Type Conversion \(online\)](#)

[R Fundamentals 4: Data Frames \(online\)](#)

[R Fundamentals 5: Loading data and packages \(online\)](#)

[R Fundamentals 6: Conditionals and Logic \(online\)](#)

[R Fundamentals 7: Lists and Matrices \(online\)](#)





R

In-person workshops

[R Data Wrangling 1: Pipes and introduction to dplyr](#)

[R Data Wrangling 2: Data wrangling with dplyr continued](#)

[R Data Wrangling 3: Joining and aggregation](#)

Online workshops

[R Data Wrangling 1: Pipes and introduction to dplyr \(online\)](#)

[R Data Wrangling 2: Data wrangling with dplyr continued \(online\)](#)

[R Data Wrangling 3: Joining and aggregation \(online\)](#)





R

In-person workshops

[R Data Visualisation 1: Data viz with ggplot2](#)

[R Data Visualisation 2: Box, histogram and line plots](#)

Online workshops

[R Data Visualisation 1: Data viz with ggplot2 \(online\)](#)

[R Data Visualisation 2: Box, histogram and line plots \(online\)](#)





R

Self-study courses

[Codecademy: Learn R](#)

[Dataquest: APIs in R](#)

[Dataquest: Web Scraping in R](#)



In-person workshops

[SPSS: Introduction to SPSS Part 1](#)

[SPSS: Introduction to SPSS Part 2](#)

Online workshops

[SPSS: Introduction to SPSS Part 1 \(online\)](#)

[SPSS: Introduction to SPSS Part 2 \(online\)](#)



Other resources

[Department of Methodology online tutorials](#)

[Department of Methodology YouTube tutorials](#)



SQL

Self-study courses

[Codecademy: Learn SQL](#)



In-person workshops

[Stata Fundamentals 1: Import and inspecting data](#)

[Stata Fundamentals 2: Do-files and computing variables](#)

[Stata Fundamentals 3: Linear regression](#)

[Stata Fundamentals 4: Foreach Loops](#)

[Stata Fundamentals 5: if qualifiers](#)

Online workshops

[Stata Fundamentals 1: Import and inspecting data \(online\)](#)

[Stata Fundamentals 2: Do-files and computing variables \(online\)](#)

[Stata Fundamentals 3: Linear regression \(online\)](#)

[Stata Fundamentals 4: Foreach Loops \(online\)](#)

[Stata Fundamentals 5: if qualifiers \(online\)](#)



In-person workshops

[Data Cleaning in Stata 1: Strings](#)

[Data Cleaning in Stata 2: Missing values](#)

[Data Cleaning in Stata 3: Labels](#)

[Data Cleaning in Stata 4: Reshaping data](#)

[Data Cleaning in Stata 5: Merging data](#)

Online workshops

[Data Cleaning in Stata 1: Strings \(online\)](#)

[Data Cleaning in Stata 2: Missing values \(online\)](#)

[Data Cleaning in Stata 3: Labels \(online\)](#)

[Data Cleaning in Stata 4: Reshaping data \(online\)](#)

[Data Cleaning in Stata 5: Merging data \(online\)](#)



Self-study course

[Introduction to Stata](#)

Other resources

[Department of Methodology online tutorials](#)

[Department of Methodology YouTube tutorials](#)



Tableau

In-person workshops

[Tableau 1: Introduction to Tableau](#)

[Tableau 2: Filtering and Sorting](#)

[Tableau 3: Geographic Data and Relationships](#)

[Tableau 4: Time Series and Aggregations](#)

Online workshops

[Tableau 1: Introduction to Tableau \(online\)](#)

[Tableau 2: Filtering and Sorting \(online\)](#)

[Tableau 3: Geographic Data and Relationships \(online\)](#)

[Tableau 4: Time Series and Aggregations \(online\)](#)





Word

In-person workshops

[Word 1: Dissertation Timesavers and Troubleshooting](#)

Online workshops

[Word 1: Dissertation Timesavers and Troubleshooting \(online\)](#)



Digital Skills Lab

Develop key skills you need to achieve your personal, professional and academic goals

- **[Attend a workshop](#)**
Sessions run daily online and on campus
- **[Study online in your own time via Moodle](#)**
Study what you want, when you want
- **[Attend an online drop-in session via Teams](#)**
Get tailored help and advice
- **[Get a Microsoft Office Specialist \(MOS\) Certification](#)**
Validate your skills
- **[Sign-up to our newsletter and follow us on the Student Hub](#)**
Get weekly news of upcoming events and learning opportunities



“The Digital Skills Lab provides you with a very friendly and open environment in which you can ask the all questions you always wanted to ask about a specific programme and can fill exactly those knowledge gaps you have without feeling any shame about it.”



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