

Your Future in Data: The Job Landscape course

Resources to explore

Here are some resources you can check out, bookmark, and keep in mind if you would like to explore more about data and stay in touch with the latest developments in the field. This is a curated listing. There are a lot of organizations and websites out there to check out depending on your interests.

Professional organizations to consider

- [CODATA](#) is the Committee on Data of the International Science Council (ISC), whose mission is to connect data and people to advance science and improve our world.
- The [Association of Data Scientists \(ADaSci\)](#) is a global professional body of data science and machine learning professionals.
- [Data Science Africa \(DSA\)](#) is a non-profit knowledge sharing professional group whose goal is to bring together leading researchers and data science practitioners in Africa and provide training on state-of-the-art data science methods.
- [INFORMS](#) is The Institute for Operations Research and the Management Sciences, whose mission is to advance and promote the science and technology of decision making to save lives, save money, and solve problems.

Publications to check out

- The [CODATA Data Science Journal](#) is a peer-reviewed, open-access, electronic journal that publishes papers on the management, dissemination, use, and reuse of research data and databases across all research domains, including science, technology, the humanities, and the arts.
- The [International Journal of Data Science and Analytics \(JDASA\)](#) brings together thought leaders, researchers, industry practitioners, and potential users of data science and analytics to develop the field, discuss new trends and opportunities, exchange ideas and practices, and promote transdisciplinary and cross-domain collaborations.
- [Scientific Data](#) is a peer-reviewed, open-access journal for descriptions of data sets and research that advances the sharing and reuse of scientific data.
- The [Harvard Data Science Review](#) is an open-access platform initiative that features foundational thinking, research milestones, educational innovations, and major applications, with a primary emphasis on reproducibility, replicability, and readability.

News and blogs to stay current

- [Analytics Insight](#) offers the insights, latest news, and a magazine that features opinions and views from top leaders and executives in the industry who share their journey, experiences, success stories, and knowledge to grow profitable businesses.

- [Towards Data Science](#) is an online publication in which independent authors who follow their rules and guidelines can publish their work, share their knowledge and expertise, and engage a wide audience on [Medium](#).
- [Data Science Central](#) is a leading online resource for data practitioners. From statistics and analytics to machine learning and AI, Data Science Central provides a community experience that includes a rich editorial platform, social interaction, forum-based support, and the latest information on technology, tools, trends, and careers.
- The [Data Science 101 Blog](#) contains a wealth of useful information for people just beginning the journey to becoming a data scientist.
- [Datanami](#) is a news portal dedicated to providing insight, analysis, and up-to-the-minute information about emerging trends and solutions in big data.

Free learning opportunities to build skills

Note: You will need to sign up for a free account for the following online learning opportunities.

- [Kaggle](#) offers free online micro courses to help you gain the skills you need to do independent data science projects. Kaggle also allows you to grow your data science and machine learning skills by competing in Kaggle competitions. Find help in the [documentation](#) or learn about [Community Competitions](#).
- [Udemy](#) offers a free, short video-based course called [An Introduction to Data Science](#) where you can learn about basic data concepts.
- [freeCodeCamp.org](#) offers a YouTube video-based course called [Data Science: An Introduction](#) by Barton Poulson. The course covers the foundations of data science, data sourcing, coding, mathematics, and statistics. You'll find all kinds of other free learning opportunities on [freeCodeCamp](#), as well.
- [DataCamp](#) offers a free two-hour [Data Science for Everyone](#) course which introduces data science without coding involved.
- [W3Schools](#) is the world's largest web developer site that offers a variety of free online tutorials with hands-on practice. The site includes tutorials on some popular data science languages, such as [Python](#), [R](#), and [SQL](#).
- [Codecademy](#) offers free coding classes on 12 different programming languages, including Python and SQL.
- [Code Patterns](#) by IBM Developer offers free code solutions to problems that developers face every day, across technologies.