**Data science** is an interdisciplinary field that uses scientific methods, processes, algorithms, and systems to **extract knowledge and insights from structured and unstructured data**. [In simpler terms, data science is about obtaining, processing, and analyzing data to gain insights for many purposes1](https://www.datacamp.com/blog/what-is-data-science-the-definitive-guide).

Here are **five free resources** where you can learn more about data science:

1. **DataCamp**: Offers a variety of data science courses, including Python and R programming, machine learning, and data visualization. [You can find tutorials, exercises, and interactive coding challenges on their platform1](https://www.datacamp.com/blog/what-is-data-science-the-definitive-guide).
2. **freeCodeCamp**: Provides a comprehensive course on **Data Science Fundamentals**, covering topics like data analysis, statistics, and machine learning. [Their curriculum is free and accessible to everyone](https://www.datacamp.com/blog/what-is-data-science-the-definitive-guide)[2](https://bing.com/search?q=what+is+data+science+in+tech+in+one+sentence).
3. **Programming with Mosh**: Mosh offers a full course on **Python Programming for Beginners**, which is essential for data science. [Python is widely used in the field due to its flexibility and extensive libraries](https://www.datacamp.com/blog/what-is-data-science-the-definitive-guide)[3](https://machinelearningmastery.com/best-free-resources-to-learn-data-analysis-and-data-science/).
4. **Alex the Analyst’s YouTube Playlist**: Alex shares **MySQL Basics for Data Analysts**, a crucial skill for managing and querying databases. [His playlist covers SQL concepts and practical examples](https://www.datacamp.com/blog/what-is-data-science-the-definitive-guide)[3](https://machinelearningmastery.com/best-free-resources-to-learn-data-analysis-and-data-science/).
5. **Tina Huang’s SQL Sundays Playlist**: Tina’s YouTube series focuses on SQL, a fundamental language for data manipulation and analysis. [You’ll learn how to write queries and work with databases](https://www.datacamp.com/blog/what-is-data-science-the-definitive-guide)[3](https://machinelearningmastery.com/best-free-resources-to-learn-data-analysis-and-data-science/).

Remember to explore these resources, practice, and apply your knowledge to real-world projects. Happy learning! 📊🔍