**Page 2**: What is a data analyst? A data analyst is a tech professional who helps businesses, nonprofits, and other organizations in developing insights from numerous facts and statistics. Data analysts convert raw data into useful knowledge. They play an important role by making data actionable for decision-makers. Today, I will discuss the work of Data Analyst in terms of job description, abilities, income, and future demand.

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**Page 3**: what do they do? The lifecycle describes the process of carrying out a data analytics project, which contains a few steps. include: understanding the business issue, Collecting the data set, processing the data, data visualization, and reporting. They frequently collaborate with Organization Analysts, who get the information required by the Data Analysts to assist the business in making choices. To this effect, Data Analysts spend a lot of time developing systems for collecting the data and combining it into reports.

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**Page 4:** Analysts must also be familiar with popular data analysis tools and be able to construct searches using them. Because their major duty is to develop and deliver accurate reports. Data Analysts should be able to use visualization tools such as SAS, Tableau, Python, and R language. I searched online about the frequency of using programming language, and here is the result. Between the job opportunities, SQL and R were neck and neck. The main benefit of getting a programming language for analysis rather than Excel, in my opinion, is that it is much easier to validate the reasoning. With Python or R, you can go through your code and find out exactly what you did. This makes it easy to share your work with other members of your team.

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**Page 5**: Is there a demand for data analytics? Yes, data analytics are in high demand. It's not only IT corporations that are coming on board. According to the report, data analytics was also widely used in telecommunications, insurance, and advertising.

Data analysts may plan to spend their time building systems for collecting data and combining their results into reports so that can help their organization better, regardless of the industry they work in. That explosion of data is driving the industry; as organizations’ data collection grows in scope it's unavoidable that they'll want to use that data, and Data Analysts are at the forefront of this movement. The job of Data Analyst is finally becoming commonplace across companies and businesses of all sizes.

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**Page 6:** Why is this rate? Although data was once acquired primarily by persons for analysis, however, it is now gathered and collected by both humans and machines. With the robots are acquiring more and more data on a daily basis, more and more people are needed to manage and make sense of it all.

Furthermore, there are over 80,000 data analysts working in the United States. Women make up 46.0 percent of all data analysts, while males make up 46.6 percent. Now, in this field, the number of women is nearly equal to that of males.

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结束语：Today, virtually every modern business has access to a wealth of data — so much so that their collected troves are impossible to use without experienced professionals. Thanks to data analysts with a clear understanding of how to deploy data-driven insights, however, the benefits of collecting those information troves are hard to understate.