Does Data Science require coding?  
Well, it does. The question is how much and what can you do about it.



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# Introduction

“I have been researching, and Data Science is a good field to be in.”

Whether a fresher or an experienced professional, people looking to move into Data Science always want to know, “Does data science need coding?”.   
  
Let’s understand a little more first. Data Science is a field that is a combination of *mathematics, business and technology*. In a constantly evolving field, the **mathematical** understanding of Data Science remains *consistent*. Now, it is a question of the rest. Let’s understand more:

* **Business**: Data Science is a business-agnostic field. Whatever domain you come from, you can leverage your business knowledge to do better data science.   
    
  For instance, if you are from a CA background, you can help Fintech companies. In addition, given your strong understanding of financial data, you can understand more than most. However, based on your interest, it is possible to work in any domain of Data Science.
* **Technology**: Technology is a field that keeps evolving every day. A lifelong learning mindset must be applied to keep up with the pace of technology.   
    
  Once we understand the foundational elements of technology, it becomes vital that we keep upgrading ourselves based on the latest in technology.

Now that we have established that we need to be up to date with technology let’s understand a little more about our original question.

## Does Data Science require coding?

**The short answer**   
*Yes*

**The long answer**

* **For freshers**: Coding in Data Science is not how you did it back in school or college. It takes a different form in the real world. However, much of what we learn in Data Science already exists in easily usable functions. Data Science is practical. Google will be your saviour and have all the answers, but to ask the right questions, you need to understand how to code. A little contreversial, but in my opinion, fact of the matter is,

No Data Scientist is a Data Scientist without Google.

Looking at the data, you need to figure out what will be the input and the possible output. We have the input and available functions you can use as code, and then we get the result. A significant chunk of the work is to interpret the output. As we discussed, coding is required.   
  


* **For working professionals who do not code**: I will assume that you have some fear about whether you can learn code or not. That is probably the wrong thing to wonder – because the answer is yes. The question is, are you willing to learn to code.   
    
  If you do not code at your job right now, you likely don’t like to code. However, let’s say you are in a management position in Data Science going ahead. To accurately guide your team, you need to have hands-on coding experience to know what they are talking about. Coding is required.
* **For working professionals who code:** Coding is required in Data Science, and you can pick it up. There is a learning curve in Data Science because, along with code, you will also need to unlearn and relearn mathematics and business.   
    
  Instead of just deliverables, being a Data Scientist is challenging and fun. You will need to think about how you can add value to the bottom line of the company you work with. This will include business and thought leadership elements you have not considered before.

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# What Programming Languages are Used in Data Science?

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# How Can You Start Learning Coding for Data Science

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# Conclusion

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