I have provided a number of VBA code snippets and examples on this blog. You can find many more snippets here. In this post, I am going to give a summary of the various aspects of programming you will need to master for your MBA degree. This is not meant as an exhaustive list, but more as a starting point for those new to programming or with limited background in computer science or software engineering. Some students will be satisfied with mastering these topics, while others may want to explore other areas such as artificial intelligence, data mining and machine learning etc. For the purpose of the blog, I have divided this material into: : Language and environment: This is the most essential part of programming practice. You need to learn not only the basics of a particular language or foreach, but also how to use an IDE, such as VBA, C# etc., and how to integrate your code with your IDE. Understanding these topics will help you reference and read other people's code. It is critical that you learn what makes a language special and useful for different problems; how it works; and its structuring/structured approach (which can be ignored for beginners but comes handy in many situations). Here is an exhaustive list of languages and their uses, by someone who works in the industry. Here are some pointers to learn your first language: Computer Science is a vast area with many aspects, including machine learning, artificial intelligence, data mining etc. These topics are not only limited to developing software (for example, you can use machine learning even to develop consumer or marketing analytics). Hence, I strongly believe that everyone should be proficient in statistics and probability (to understand the importance of probability distributions like binomial distribution), linear algebra (to fully understand equations like $y' = ax + b$) and other areas like logic (to read/follow arguments in philosophy). If you have time, master at least one programming language. You will find it a lot more useful to read real-world code rather than hypothetical ones. : Programming: Even though you may not realize, you are going to be writing a lot of code for your MBA degree. The time saved by using code snippets from this blog will pay huge dividends as you gain expertise in using existing libraries/API/APIs from the industry. It is safe to assume that at some point during your MBA program, all of you will end up writing code for your solution presentations and assignments. This material will help you to prepare for that. : Business Analytics: What can be translated into code? You may not realize it, but your MBA degree today is no more an end in itself. It is more of a business degree with a business analytics component. What this means is that you need to be proficient in the industry's lingo, including entities like Big Data, Internet of Things (IoT), intelligent/robotics/automation etc., as well as the shape of the companies you are likely to join/start after your MBA. After all, there is no point in understanding data if you are too afraid to analyse any of it.

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