HOW TO AVOID THEM?



Analytics Vidhya

The demand for data scientists is huge. and experts acknowledge the shortfall of talent in the industry. Most of these resources online don't teach you what the industry is looking for in a data scientist. This can lead one to fall into multiple traps and make the same mistake over and over again.



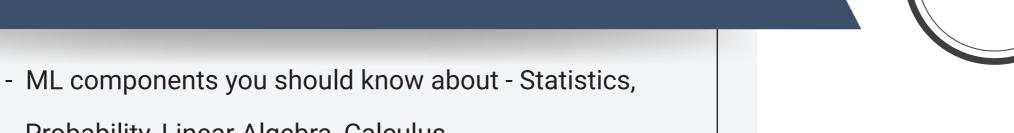
Learning Theoretical Concepts without Applying Them



- Learning process should be a healthy balance between theoretical and practical
- As soon as you learn a concept, find a dataset or problem where you can use it - You can also use AV's DataHack platform to take part in
 - practice problems and ongoing competitions



Using ML Techniques without Learning the Prerequisites



- Probability, Linear Algebra, Calculus
- Tons of resources available to learn/brush-up
- Enroll in Analytics Vidhya's Introduction to Data Science
- course



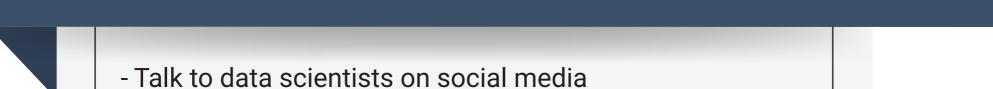


- Use real-world datasets and ensure you write a blog

Relying Solely on Certifications and Degrees

- about your work - Ask for feedback from the community - Apply for internships to understand how a data science
- project works





to non-technical people

- Learn about how a data science project works - Know what different types of roles a team has
- (from a data engineer to a data architect)





- Practice making simpler models and then explaining them

Focusing on Model Accuracy over Interpretability



- Add further complexity; this will teach you when to stop, and why simple models are always given preference



- Use bullet points - Only list those techniques which you know extremely



- Have a set template and make changes to it according to the role you apply to

well and can demonstrate experience in

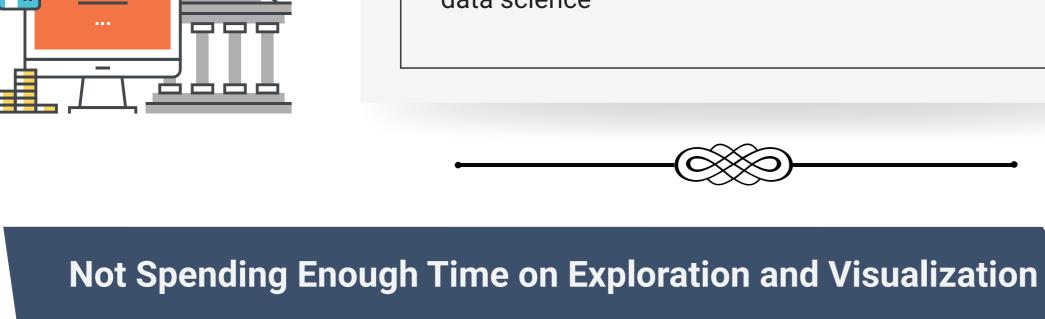
data science

IIO

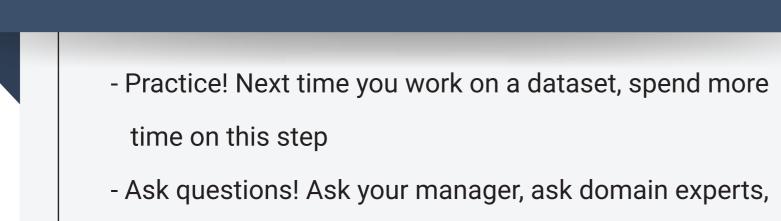


- Work on datasets pertaining to specific domains (this will be a MASSIVE point in your resume)

Using Tools and Libraries without understanding the Problem



- Read up on how companies in your domain are using



find any, ask on social media!

search for solutions on the internet and if you don't

Not Having a Structured Approach to Problem Solving

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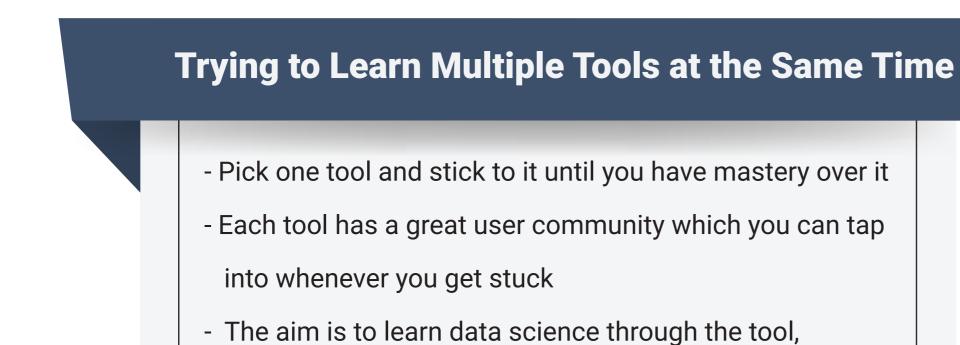


thinking to shape your way of approaching a problem

- Go through Analytics Vidhya's articles on structured

- Acquire a structured thinking mindset through simple

training and a disciplined approach





it on your wall

not the tool through data science.

- Set goals for yourself. Map out a time table and stick



competition) - Be ready to put in long hours

Shying Away from Discussions and Competitions

- Plan how and what you want to study and set deadlines

for yourself (like learning a technique and applying it in a

- Start participating in discussions and competitions! - If you learn a new technique out of the whole thing, you have won in your own right
 - Overlooking Soft Skills, especially Communication Skills



- Explain data science terms to a non-technical person

do this with

- Practice is key when it comes to soft skills

- If you're working in a small to medium-sized company,

find a person in the marketing or sales department to

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