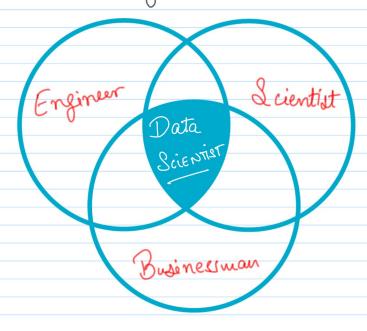
DATA SCIENCE MINDSET



Thinking Like:



If you wanne become a Data Scientist & create a project that will get you hired as a DS then...

You need to start Thinking.

dike a Data Scientist.

Why think like a Scientist?

- · You are going to be used advanced analytics, looking for patterns and toying to understand WHY of it all in a systematic manner.
- · I cientists use critical thinking to discover benowlege using
 the scientific wellood. Just like that you start by researching
 that means investigating the problem, finding what's already
 been done, speaking with stakeholders to see what they know
 I determining what's already out there.

- · You have to hypothesize & come up with some possible solutions or explanations for the problem.
- · You are going to test the hypothesis using statistical methodology to ither confisher or disapprove the hypothesis.
- · Most importantly, you have to keep an open wind, question everything, challenge & scrutinize your assumptions.
- · Suspend your beliefs of your focus on what the results are actually telling you.
- · Remember, thinking like a scientist is about:
 - being a critical thinker
 - Not making assemptions
 - Questioning & testing everything
 - Always answering with data.
 - Respect Empirical Evidence & accept roults.

Why think like an ENGINEER?

- · Le an enfineer, you will write Code, Bild systaure, defloy models and automate things.
- · You need to engineer eyoteus that are .
 - Reproducable Robust
 - Testalele Reliable
 - Extensible Efficient
 - Portable
- · You need to build systems to solve problems. Avoid Copy & Paste

- · As a Data Scientist, you will be writing statistical software. So you want to make sure you avoid lengthy scripts as much possible.
- · You need to organize your code into well documented software that could be automated if necessary.
- · You make the code Scalable and Extensible.
- · When you think like an engineer

You dosign depoteeus that delve the underlying Problem.

-> This will make you much more powerful as a Data de.

So use your projects as an opportunity to build the skill of designing solutions that solve underlying problem and aren't just a hacked together solution.

Remember

- · No Copyposta
- · No June to Scripts
- · Refactor your Code
- · Make changes that solve underlying problem
- · Simplicity is better than complexity

Why think Like a Businessman?

- · Businesses are about Making Money & spend less of it.
- · So your job as a Data Scientist is to solve Problems that help Business make MoRE MONEY or SPEND LESS!

- · You need to demonstrate Business acumen that you can really identify real world problems that you can come up with real world solutions that solve them.
- · As a Busines person you understand how to:
 - · Develop



- · You need to know how to commenicate & present as a story.
- · Business problems can be complex of the way to understand if your business is headed in the right direction is ley measuring performance using KPIs.
- · Know these :-
 - What are the KPIs for your Business?
 - What are the Breginess Goals?
 - How to measure success for your Business?
- · Communicating in on "Easy to Understand" language is required.

Lastly, Before you think like a Data Scientist, you need to know How to Manage Yourself!