DATA SCIENCE

— Himz

Q What makes Data Science so unique?

A DS is unique for 3 key reasons :—
  i) It's a METASKILL
  ii) It's PERMISSIONLESS
  iii) You can create your OWN EXPERIENCE.

★ **Metaskill** ⇒ a skill that enables & empowers other skills. Metaskill is the foundation on which you are able to engage with a new skill effectively.

Data Science is a combination of several knowledge bases and skillsets like ...

→ Critical thinking   → Problem solving
→ Programming   → Engineering
→ Math   → Statistics
→ Communication   → Business knowledge
→ Project Management   → a few more...

★ **Permissionless** ⇒ There are many high paying professions where have to have a certificate from governing bodies in order to call yourself one of them. That's not the case with Data Science.

★ **Create Own ⟹** Here in order to prove your worth,
Experience you just need a portfolio, showcasing
your projects. Create your professional
projects & you don't need anyone's
permission to be a Data Scientist.

By creating & showcasing projects professionally, one can recreate the
experience of working on a job.

Doing Real-World Projects is **MANDATORY!**

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IMPORTANCE OF PROJECTS

Projects can take the place of an Internship, Co-op or Actual work.

Project can become the difference b/w getting invited for interview
or getting your resume auto-rejected.

→ You need to demonstrate that you are able to execute with
a **COMPASS** instead of a **MAP.**

> ↳ In DS work, you will not have a clear Step-by-Step
> directions on what to do. The more you deal with ambiguity
> and work with messy & take more personal projects that
> are not <u>MADE UP</u>, the better you are going to get at
> navigation.

3 Reasons Why Projects are Important!

① **Learning is not enough!**

    ↳ Practice & Training is very important. It doesn't take much time to forget what we learnt.

    A company only cares what you **CAN DO FOR THEM.**

② **You Need Experience to get a job,**

    but you don't need a Job to get Experience.

> Ability to Deal with Ambiguity → **INVALUABLE** ⌃⌃

③ **Develop a set of Principles**

    ↳ Though we solve different problems but there is a set of principles which we all more or less should follow.

    You can develop & cultivate this intuition through projects.

By doing a well thought-out & executed project, you can confidently state in interview that you understand & have used some type of methodology or process with the Data Science work.

Even though you don't have **WORK EXPERIENCE** you have **EXPERIENCE WORKING** with Data.