Data Track

Meet & Greet

October 12, 2022

Data is the new oil

1. **A lot of data being generated**

2. **A lot of data being collected**

3. **Why a lot of data is being analyzed?**

4. **Availability of jobs!**

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Scaler Data Science & ML

- **We surveyed 100 Data Scientists**

- **Scaler Data Track is designed in a series of 80 Business Case Studies**

- **Industry Relevance**

  - **Business Case Study Partnerships**

  - **Placement Partnerships**

  - **Industry Mentors**

  - **Advisors**

  - **Curriculum and Topics**

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By tomorrow

- Ensure you have access to **Student Dashboard**

    - Ensure you are logging through your registered mail ID.

    - If still unable to access please reach out to support@scaler.com.

    - Watch the walk-through clips.

- **Slack** channel access

    - Update your photo, name, employer, and job title on Slack and your Scaler Dashboard.

    - Post your intro on Slack channel "#01-intros"

- ## Join the WhatsApp Groups

    - The link to join Whatsapp will be pinned at the top of your Slack channel

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Beginner
2 months | *Python Programming Basics*

Intermediate
2 months | *Data Structures and Problem Solving*

Data Science - Common Core
4 months | *Python Libraries, SQL, Tableau, Maths, Data Science*

Data Science with Machine Learning and Analytics

5 months
Machine Learning
Advance SQL, Tableau, MS Excel

Videos from **both** the Specializations and **all the Electives** will be made available to you upon completion of the course 🎉

Must clear Specialization Test OR have high PSP and Attendance.

New

Data Science with Deep Learning and AI

5 months
Machine Learning
(Advance Mathematics)

💼 Placement assistance for roles: **Data Scientist** or Data Analyst roles.

💼 Roles: Data Scientist, Machine Learning Engineer, **Applied Scientist.**

Product Analytics
1 month
Web, Big Data, Pipelines, Cloud, Tools

ML Ops
1 month
Web, Big Data, Pipelines, Cloud, Tools
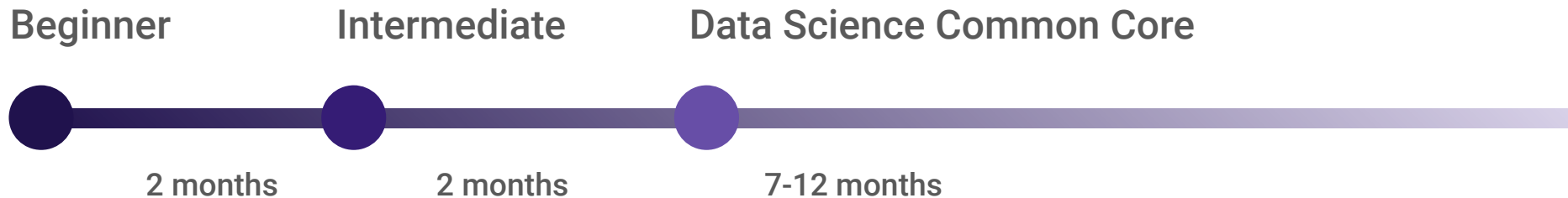
Computer Vision
1 month

Natural Language Processing
1 month

Advance DSA
4 months
Advance DSA in Python, Dynamic Programming

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Entry Points

Beginner	Intermediate	Data Science Common Core
2 months	2 months	7-12 months

- Beginner module (2 months additional)

- Intermediate module (2 months additional)

- Data Science Common Core module (7-12 months)

- **All students go through the <u>same</u> curriculum.**

- **Must clear Transition Test after each module to move to the next module.**

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Entry Point Selection Test (1-2 hours)

- **Helps you decide your entry point - Beginner / Intermediate / DSML CC**

- **2 sections:**

  - **Intermediate**

    - **Clear this to join Intermediate**

    - **(Can be skipped. You may attempt just the next section)**

  - **Advanced**

    - **Clear this to join DSML Common Core module**

- **You may ask for videos from the lower entry point.**

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Before this Sunday

- **Take the SAT (Entry Point Selection Test)**

  - **Deadline: (Saturday) 15th October 2022 , 11:59 PM**

  - Batch allocation will be done based on your test results and preference

  - Outcomes: Beginner, Intermediate, or Core Advanced

- **Book your First Mentor Session - "Plan your Scaler Journey"**

  - This is an additional session which will expire within 14 days.

  - Understand how to get the maximum benefit out of Scaler experience.

  - Pick your slot for this session ASAP.

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Transition Test (1-2 hours)

- Transition Test after each module.

- Ensure that you have learned the necessary skills so far.

- Homework Assignment will not be given, so that you can take the Test.

- Must clear the Test to proceed.

  - In some Tests, the students with high PSP and Attendance may get a **free pass.**

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Mentors

(Different from Instructors)

Microsoft

amazon

Google

Flipkart

Adobe

Apple

PayPal

Paytm

Linked in

Walmart

Uber

Make sure you are:

- **Proactive in booking sessions**

- **Transparent and honest while sharing your strengths and weaknesses.**

- **"Plan You Scaler Journey" is currently available on your dashboard , go ahead and book your session Asap!**

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Mentors & Mock Interviews

Home

LEARN AND PRACTICE

Core Skills Curriculum and Classes
All modules, classes and expert mock interviews

Career Curriculum and Classes
All career related classes and 1-1 mentor sessions

Masterclasses and Community Classes

Classroom

All Problems

Teaching Assistant Help

Leaderboard

PLACEMENT

Two types of Mentors:

- Mock Interviewers (1:1 only)

  ○ Total 10 Mock Interviews

    ■ 2 practice interviews

    ■ 4 (1 mock after each module starting from Common Core)

    ■ 4 free-floating and re-attempts

    ■ Earn more with coins

- Career Guides (1:1 or in Group)

  ○ Discuss and track your goals

  ○ Review Profile and Resume

  ○ Tips on Time management

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Next week

- **Attend your first Lecture at Scaler!**

- **Attend your first 1:1 Mentor session - "Plan your Scaler Journey"**

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When attending a Lecture

- Attend the lecture Live, or watch video afterwards.

- (Both count towards your **Attendance**)

- Make sure you provide **Ratings** after the lecture.

- Assignments will be posted within 1 hour of class completion.

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When doing homework

- **If you get stuck, contact a TA from the Dashboard.**

  - **Rate your TA after the interaction.**

- **Each question is linked to a Discussion Forum. Use it!**

- **Every few weeks, we will conduct a Live Doubt Session.**

- **Metrics**

  - **PSP = Problem solving percentage**

  - **Streak = Continuous number of days of practicing**

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Teaching Assistants

TAs help you with:

- **Understanding concepts**

- **Hints for solving problems**

- **Modes: Video, Audio, or Chat**
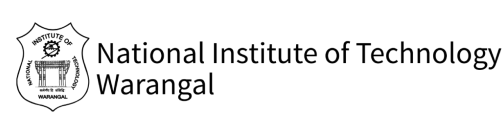
Make sure you:

- **Do not hesitate in asking doubts**

- **Mention your query in detail**

- **Rate your TA after the interaction**

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When doing Business Case Study

- Case studies start in Common Core module.

- Topic-wise case studies assigned every 1-2 weeks on your Dashboard.

- Meant to be subjective and open-ended. Do not panic!

- Reach out for help; don't stay stuck

  - Discussion forums

  - TAs

- Be sure to turn in your submissions - Do not strive for perfection, instead be consistent.

- Make sure you solve Business Cases to be eligible for placements.

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Business Case Partnerships

- **Partnership with top companies**

- **Real problems**

- **80 Case Studies** in the program

- **Industries**
  - **health, finance, entertainment, logistics, ecommerce, hospitality, agriculture, education**

- **Functions**
  - **Sales, Marketing, Operations, Strategy, HR, Product**

- **Messy Data**

- **Discussion with peers**

and many more...

Career Support

MNCs

... and many more

Large startups

... and many more

Young disruptors

... and many more

- Placement processes starts **6-7 months** into the program.
- Ensure your grades and attendance are enough to make you eligible.
- **Mastery based model: To be eligible for a company, you have to clear mock interviews for skills/modules required by that company.**
- Open, fair, and transparent process

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Upon graduation

Till course completion

- Live lectures

- TA support

- 1:1 Mentor sessions

- Resume review

- You may want to pick
  an Elective.

For another 6 months

- Lecture recordings

- Job opportunities
  shared by Scaler

Lifelong

- Assignments and notes

- Job opportunities and
  referrals shared by peer
  group

- Community (for doubts,
  project collaboration,
  authentic interview
  experience, etc.)

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Community

Community can help you with

- Peer-to-peer learning
- Job referrals
- Resume reviews
- Real interview experiences
- Problems and concepts
- Project collaborations
- Weekly engagement activities

Make Sure you

- Check slack daily
- Proactively initiate collaborative discussions
- Take part in regular community specific initiatives and events

You can earn a Master's Degree! 🎉

https://www.scaler.com/**neovarsity**

We will organize a Live AMA session soon to answer your questions about the program

- You can earn a **Masters in Data Science, Machine Learning and AI**

- From **Scaler Neovaristy** which has the same accreditation as prestigious **European Universities**.

- This degree is **industry-oriented**, not just theoretical.

Research

- Mentorship in **reading** research papers

- Mentorship in **conducting** research

- Mentorship in **submitting** papers to top global conferences.

- No additional cost, as of now.

- This is an experiment; may change.

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support@scaler.com

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3 Buckets

Data Analyst

- Roles: Data Analyst, Business Analyst, Product Analyst, risk Analyst

- Build dashboard and reports using data

- If someone wants to start as DA but then switch to DS later, they will find this course useful.

- SQL, Tableau, MS Excel, Python

Data Scientist

- Roles: Data Scientist, ML Engineer, AI Scientist

- Analyze data and build models

- Python, Maths, Business, Data

Data Engineer

Roles: Data Engineer, ML Ops Engineer, Big Data Engineer

- Setup infrastructure and Deploy models

- Cloud platforms (AWS), Big Data, Data pipelines, Scripting

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What is the Full Stack Data role?

1. Get data

2. Store data

3. Clean data

4. Analyze data

5. Productionize / Publish

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What are companies looking for?

- **Typical Interview Structure**

  - **Round 1-2: DSA**

  - **Round 3-4: DSML Theory / Case Study / Past Projects / Take-home assignments**

  - **Round 5: Hiring Manager / Behavioral**

What are companies looking for?

On the job skills

- Data Science

    - Theory - Breadth and Depth

    - Maths

    - Practical - Breadth and Depth

    - Databases / SQL / Python / DSML

    - Peripheral - Web / Terminal / Git

- Machine Learning / Deep Learning

- Basic Data Engineering

    - Building EtLT data pipelines

    - Working with various sources of data

    - System Design - ML System

- LLD Code Design

- Impact on the Business

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How to be successful in this course?

- **Consistency**

- **Motivation?**

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Your Peers

Data and Business professionals
- Data Scientist
- Data Analyst
- Product Analyst
- Product Manager
- Consultant
- Business Analyst
- Assistant Professor

Software Professionals
- Full Stack Developer
- iOS Developer
- DevOps Engineer
- UI Developer
- Salesforce Developer
- Software Engineer
- Systems Engineer

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ScalerVerse and Offline Meetups!

- A whole new concept of community learning.

- Meet your scaler peers, interact and experience a new way of learning together. All of this offline!

- We are Live in Bengaluru

- Coming soon in Delhi, Hyderabad, Pune and Chennai

Glimpse inside ScalerVerse https://bit.ly/3dkvArs

Join the waitlist

https://www.scaler.com/scaler-verse

APPENDIX

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Team

Abhimanyu Saxena
Co-Founder

Anshuman Singh
Co-Founder

Saurabh Saxena
COO

Mudit Goel
Head, Data Track

Srikanth Varma
Head of Academics, Data Track

Himanshu Paniya
Senior Program Manager, Data Track

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3 Roles you will work with

Instructor

- Conduct the Live lectures
- Group

Mentor
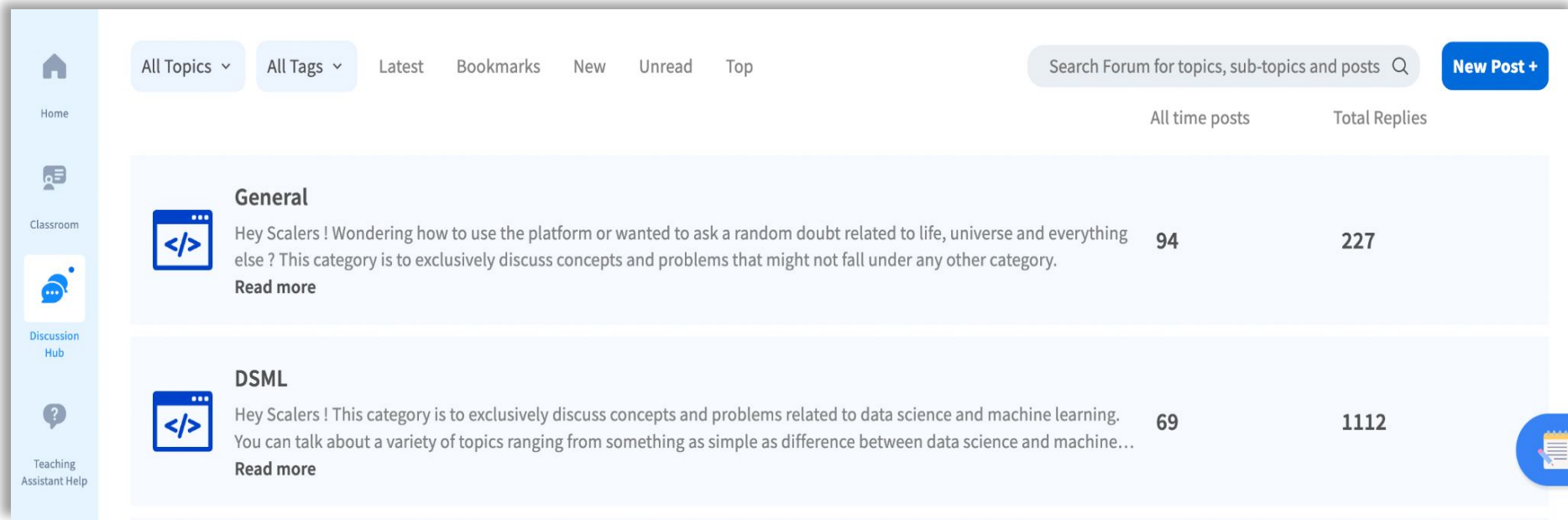
- Career Guidance
- Mock Interviews
- 1:1 or Group

Teaching Assistant

- Answer your questions
- Explain concepts.
- 1:1 via text or video.

Discussion Forum

- **For each homework question (discussion)**

- **After each lecture (lecture insights)**

- **For each Business Case (discussion)**

- **For each Business Case (submissions) LOCKED**

Sessions

- **Live Lectures**

- **Live Case Study Discussions**

- **Research Sessions (Optional)**

- **Doubt Sessions (Optional)**

- **Mentor Career Sessions (1:1 or Group)**

- **Mock Interview Sessions (Will start 3 months before placements)**

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Grading Policy

Component	Weightage in Final Grade	Details
Attendance (Effort)		
Lectures	**40%**	Either attend Live or watch video later
Business Case Sessions	5%	Extra Credit
Interview Prep Sessions	5%	Extra Credit
Research Sessions	5%	Extra Credit
Homework (Performance)		
Projects (Business Cases)	**30%**	Penalty of **-3.5% points per late day** will apply after deadline. Penalty will stop accruing once it reaches **-70% (max)** for the project. At the end of the course, we will assign a score of 0 to your missing submissions, **drop your lowest 25% scores**, and consider your top 75% scores only.
Assignment (Practice Sets)	**20%**	Includes any Pre-Read and Post-Read materials.
Engagement (Teamwork)		
Discussion Forum - Read other students' submissions and share your analysis in comments.	**10%**	
Discussion Forum - Post your insights and notes from Lecture sessions.	5%	Extra Credit
No Credit		
Mentor Sessions	0%	
Mock Interviews	0%	
Total		
	120%	Your profile and grades may be shared with Scaler's internal teams as well as potential employers and Business Case Partners.

Confidentiality

- **Why sign NDA?**

- **Can I share my projects on Github?**

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