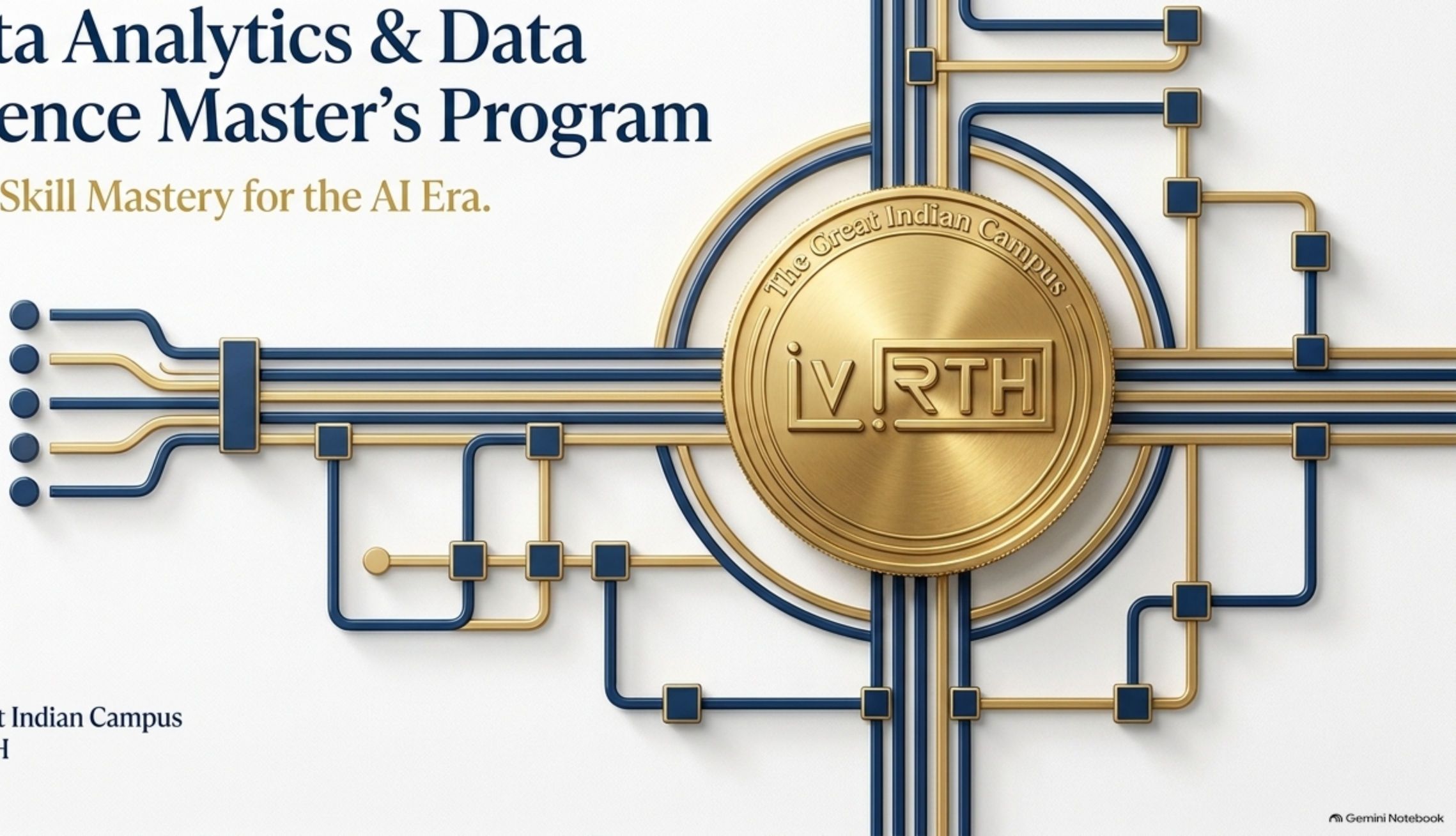
Data Analytics & Data Science Master's Program

Dual-Skill Mastery for the AI Era.



The Great Indian Campus
by iViRTH

Gemini Notebook

The Global Data Imperative

11.5M

Open roles required globally by 2026.

79.7%

Global talent shortage reported by data scientists.

$130k +20%

Average global entry base salary, tracking 20% higher than software engineers.

63%

Companies heavily investing in training in-house data teams due to scarcity.

The world doesn't just need software engineers anymore; it needs data storytellers and predictive architects. Demand is heavily outpacing supply.

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High Business Influence & Global Impact

Healthcare



Improving and accelerating medical diagnostics.

Finance



Detecting financial fraud instantly.

Environment



Predicting dangerous seismic events and protecting endangered wildlife.

Corporate Strategy



Powering strategic decisions and driving massive revenue growth.

Future-proof skills that combine human creativity with AI to solve the world's most complex puzzles.

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The Dual-Skill Advantage



Companies prefer hiring professionals who can handle both. Master the complete pipeline for higher employability.

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Decoding the Roles: Analyst vs. Scientist

	Data Analyst	Data Scientist
The Persona	The Business Detective	The Predictive Architect
Core Focus	Wrangling messy numbers into clear, actionable stories for non-technical leaders.	Solving complex problems using machine learning models and intelligent systems.
The Workflow	Gather -> Wrangle -> Stat Execution -> Visual Storytelling	Form Databases -> Wrangle -> Exploratory Analysis -> Model Deployment
Technical Toolkit	SQL, Excel (VLOOKUP, Pivot), Tableau, Power BI	Python, R, Cloud Computing, AI algorithms

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The Strange Paradox of Tech Education

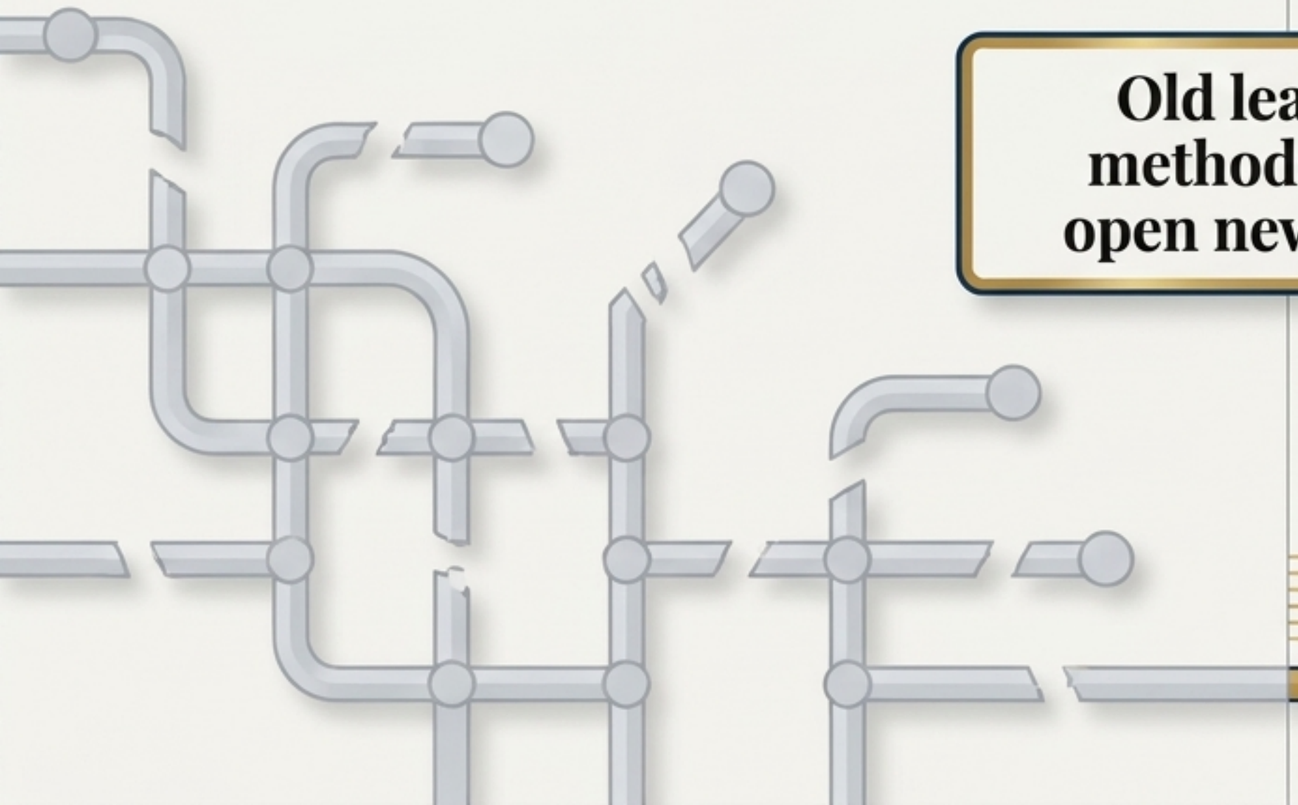
The Old Method

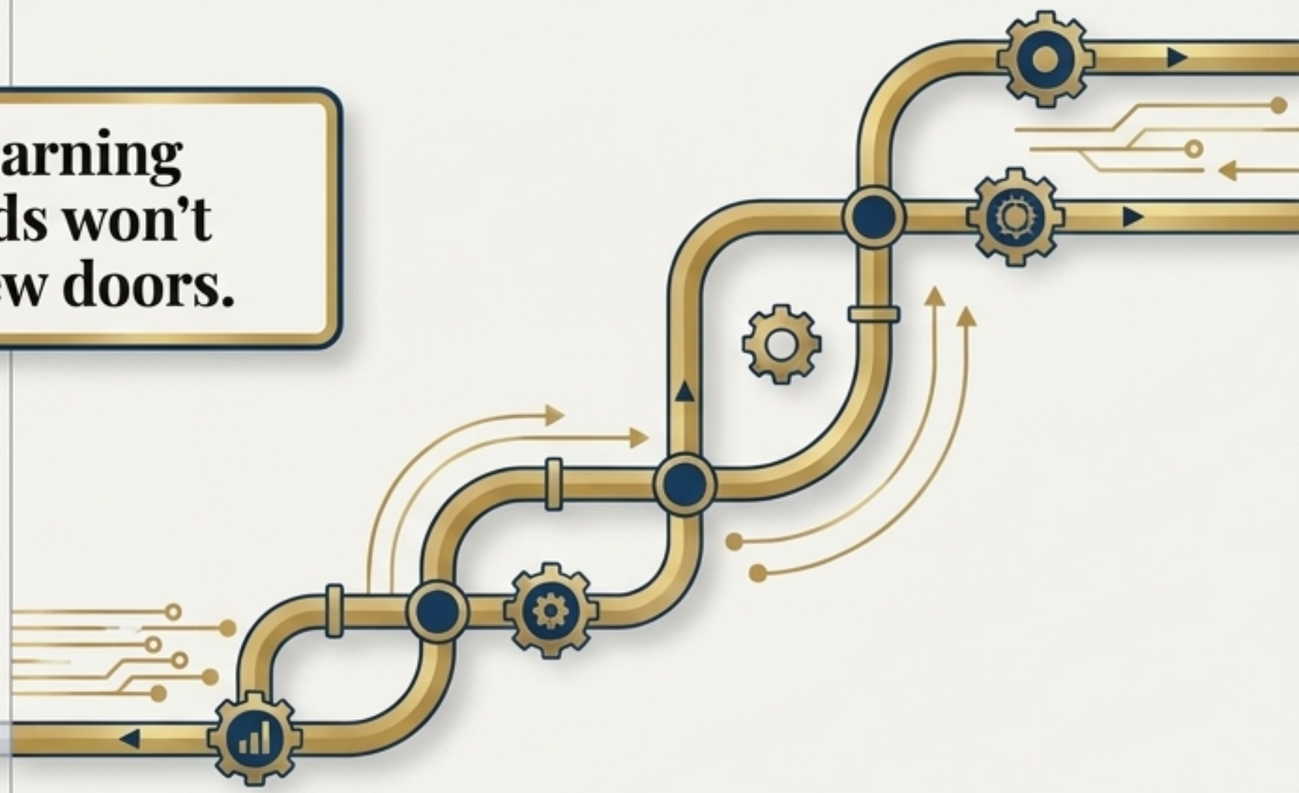
Thousands of small private institutes offer transactional relationships with no regular classes, empty teachers lacking industry exposure, outdated curriculums, and zero practical experience. Trainees rarely gain new skills or confidence.

The Great Indian Campus

Mentorship over courses. Highly personalized, practical learning driven by industry experts. New skills are fully honed, tested, and directly transferred to real work environments.

Old learning methods won't open new doors.





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The iViRTH Mentorship Edge



2X faster doubt clearing.
Hyper-personalized social experience building relationships with experienced mentors.

Never miss a concept.
Lifetime revision with updated content and exact class recordings at no additional charge.

Moving beyond theory.
Gain deep understanding through personal experience and real-life situational implementation.

Learn live from real-life Data Analysts.
Work within your preferred primary learning style with instant feedback.

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Who Belongs in This Pipeline?

Career Changers

Retail, hospitality, teaching, or administrative staff looking to escape routine tasks for stable, high-paying strategic roles.

Upskillers

Marketers, Project Managers, and Business Analysts needing modern tools (SQL/Python) to track ROI and justify strategic decisions.

Fresh Graduates

Both STEM and Non-STEM majors looking to bridge the gap between college theory and a real-world, portfolio-backed career.

No math genius required. Just be:



1. Naturally Curious



2. A Problem Solver

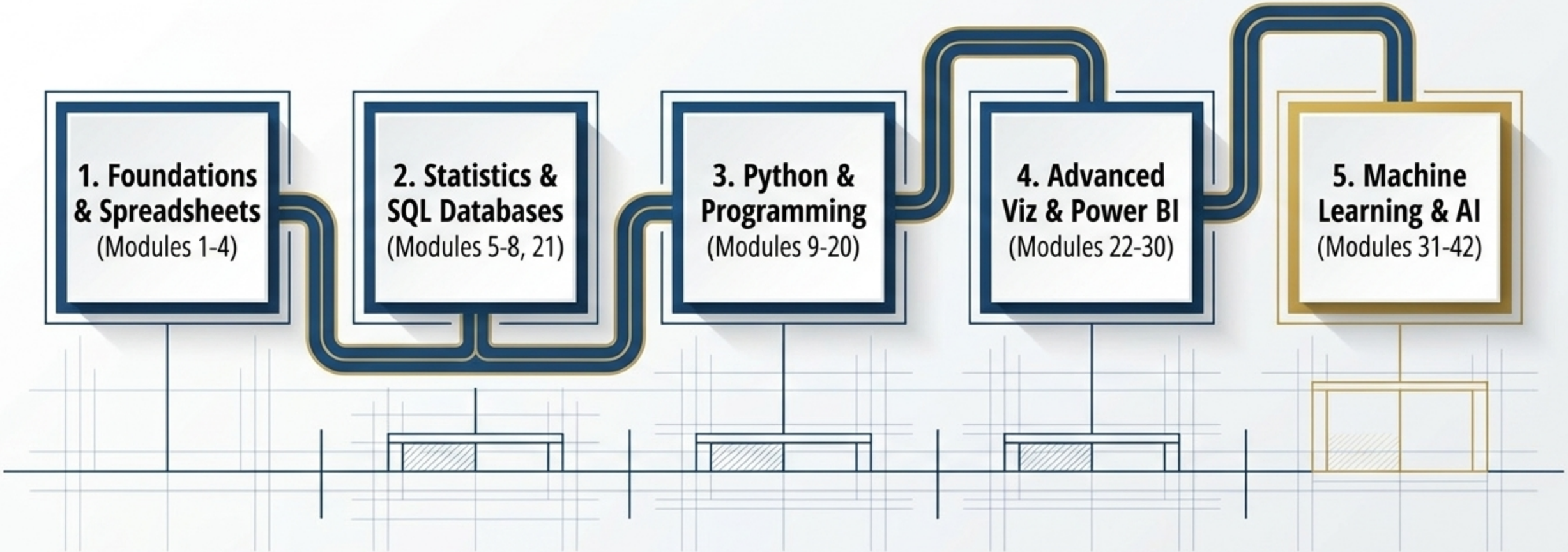


3. A Visual Storyteller

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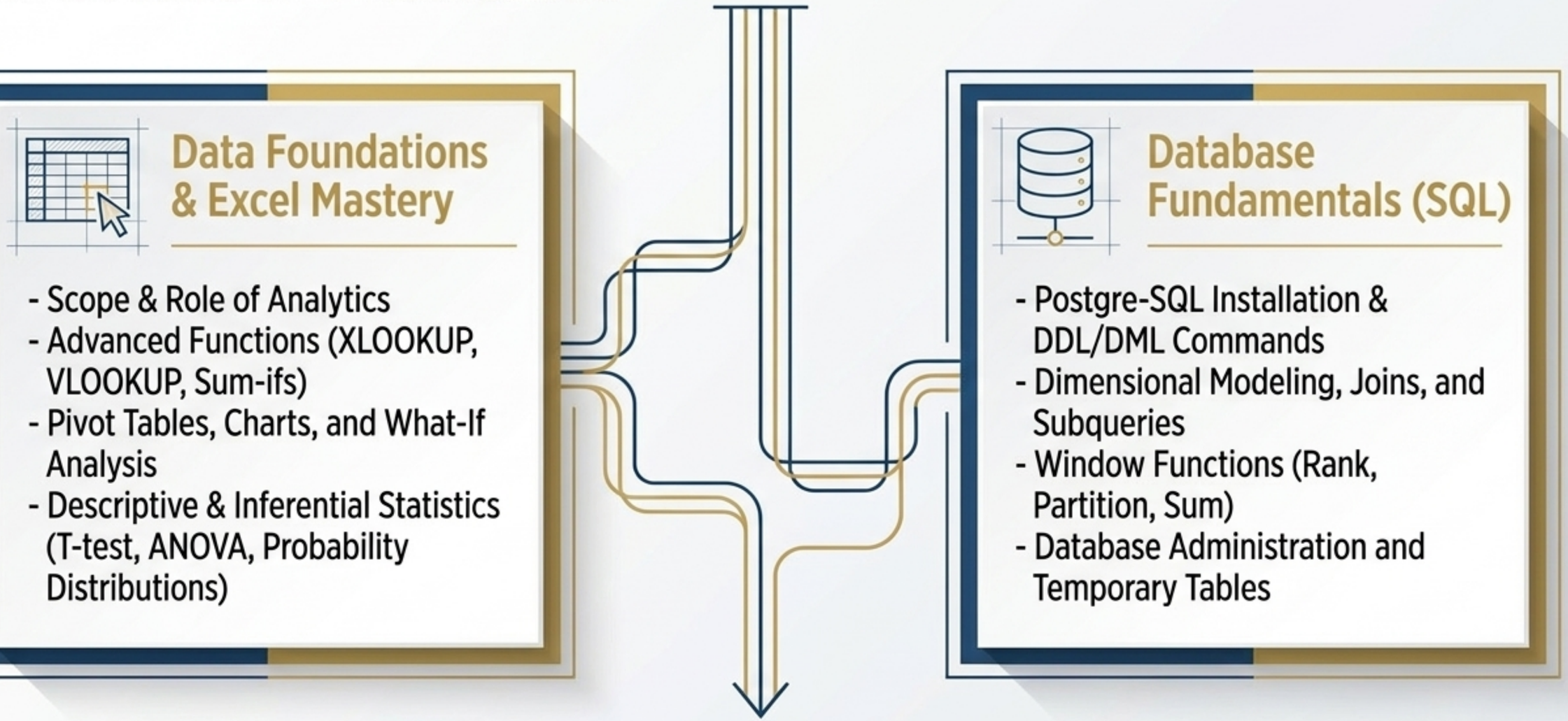
The Results-Driven Syllabus Challenge

42 Intensive Modules. 1 Complete Mastery Pipeline.



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Stages 1 & 2: From Raw Data to Structured Databases



Data Foundations & Excel Mastery

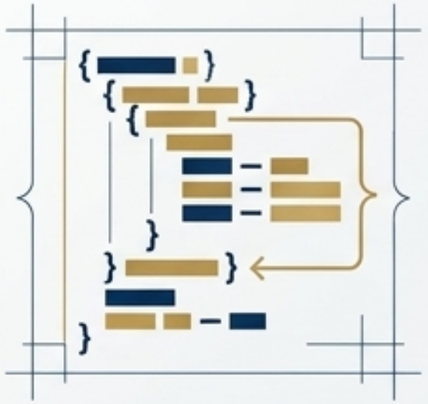
- Scope & Role of Analytics
- Advanced Functions (XLOOKUP, VLOOKUP, Sum-ifs)
- Pivot Tables, Charts, and What-If Analysis
- Descriptive & Inferential Statistics (T-test, ANOVA, Probability Distributions)

Database Fundamentals (SQL)

- Postgre-SQL Installation & DDL/DML Commands
- Dimensional Modeling, Joins, and Subqueries
- Window Functions (Rank, Partition, Sum)
- Database Administration and Temporary Tables

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Stages 3 & 4: Programming Logic to Interactive Storytelling



Python Programming

- - Anaconda, IDLE, and PyCharm environments
- - Data Structures (Lists, Tuples, Dictionaries) and Control Flow
- - Advanced Packages: Pandas and NumPy
- - Data Wrangling, Outlier Detection, and Exploratory Data Analysis (EDA)



Power BI & Advanced Visualization

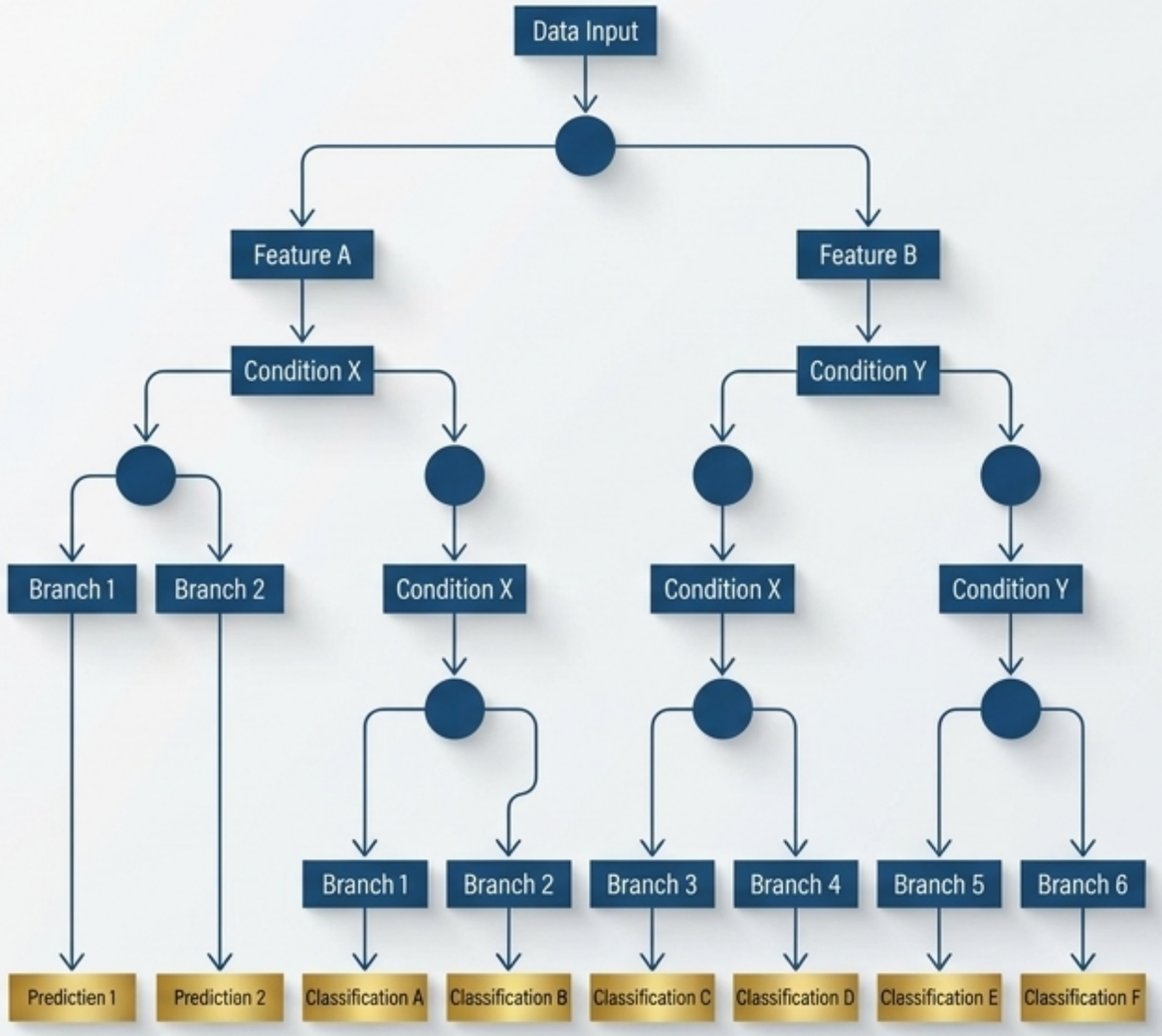
- - Power BI Architecture, Cloud Deployment, and Data Modeling (Star/Snowflake Schemas)
- - Interactive Dashboards, Map Reports, and Drilldown Hierarchies
- - Power Query & M Language operations
- - DAX Expressions (Time Intelligence, YTD, Calculated Measures)

Structural Pipeline

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Stage 5: The Final Frontier – AI & Machine Learning

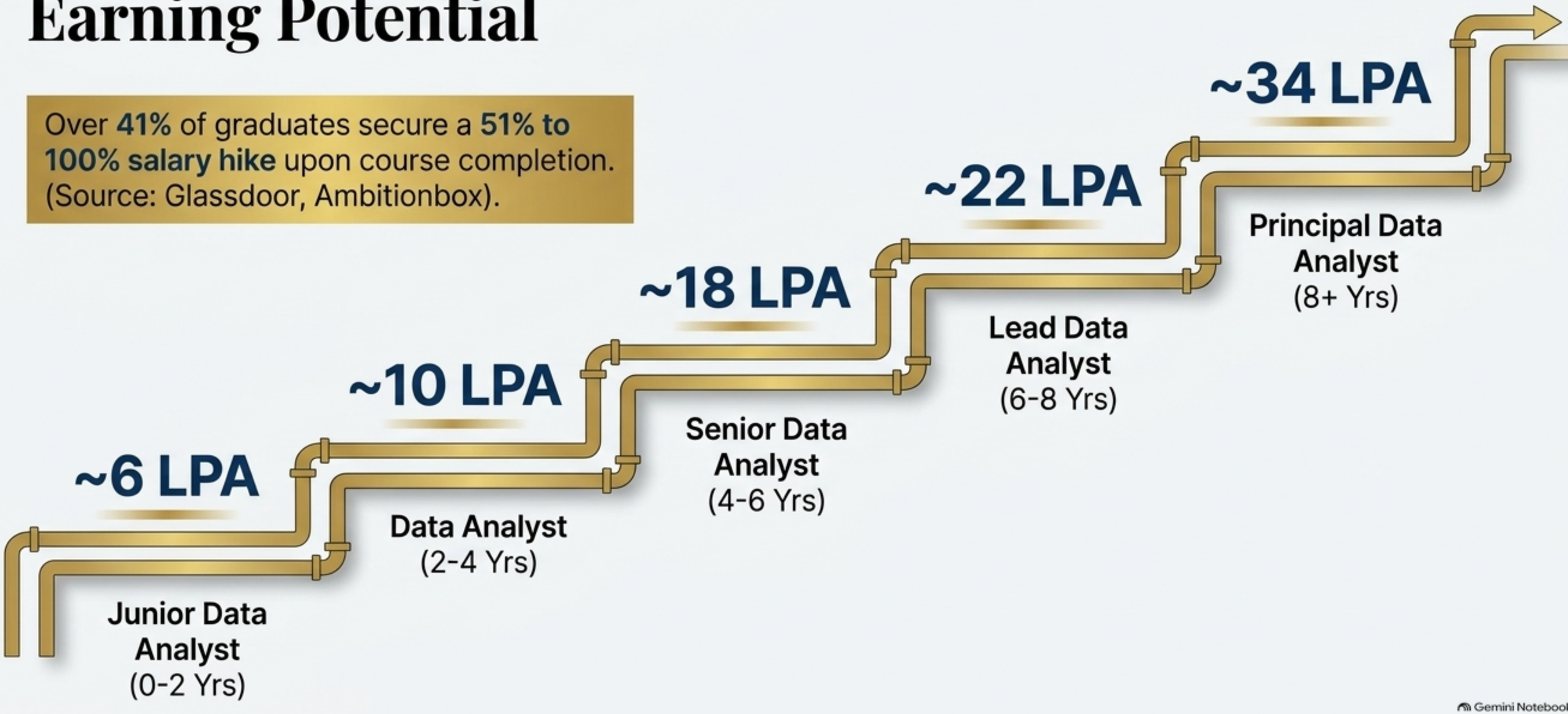
- **Supervised Learning**: Linear/Logistic Regression, K-Nearest Neighbor, Decision Trees, and Random Forests.
- **Unsupervised Learning**: K-Means and Hierarchical Clustering Analysis.
- Natural Language Processing (NLP): Tokenization, Word Clouds, and Sentiment Detection.
- Deep Learning: Single & Multi-Layer Neural Networks, Epochs, and Activation Functions.
- Agile Methodology & Deployment: Jira, SDLC, GitHub Repository maintenance, and LLM Applications.



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Your Career Trajectory & Earning Potential

Over **41%** of graduates secure a **51% to 100% salary hike** upon course completion. (Source: Glassdoor, Ambitionbox).



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The Job-Ready Guarantee System



Enroll

For the program.

Complete

Coursework & practical projects.

1:1 Career Assistance

Custom resume building, LinkedIn optimization, and online portfolio creation.

Job Referrals

Direct access to open roles.

Ace the Interview

Access to company-specific, industry-wise interview questions and materials to get placed.

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Backed by Strategic Partners

Recognized by industry and government leaders in skill development and innovation.

Recognized by
DPIIT
Department for Promotion of Industry and Internal Trade

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RE IMAGINE FUTURE

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Begin Your Transformation Today

LIVE CAREER ACCELERATOR PROGRAM

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Account Number:	50200059731976
IFSC:	HDFC0000380
Branch:	ALIGARH - UTTAR PRADESH
Account Type:	Current Account

Contact: enroll@ivirth.com

Let us build your Data Analytics Career Brighter!

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