

Data Analyst Learning Path PDF Page

Data Analyst Learning Path PDF Page: Content + <head> (Uncodemy)

FINAL URL: <https://uncodemy.com/data-analyst-learning-path-pdf>

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Prepared: 26 October 2026 · **Primary keyword:** data analyst learning path pdf · **Search volume:** not checked (keyword tool out of credits); verify in Search Console.

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PART 1: Page plan

Item	Decision
Final URL	https://uncodemy.com/data-analyst-learning-path-pdf
Intent (anti-cannibalisation)	ORDERED STUDY PLAN with milestones. Skill self-check is on the skills checklist; the fresher-specific advice is on the fresher guide.
Why not thin	Explainer-style sections, FAQs and cross-links make the page useful even without a download
Schema	WebSite, Organization, Breadcrumb, CollectionPage, FAQPage (only FAQs visible on the page). PDF <code>ItemList</code> provided commented, to enable after titles are final
Share image	https://uncodemy.com/image/logo-og.jpg for now; custom 1200x630 card recommended

PART 2: Page content (copy-paste ready)

SEO Title (41 chars):

Data Analyst Learning Path PDF | Uncodemy

Meta Description (134 chars):

Download the data analyst learning path PDF from Uncodemy: a stage-by-stage roadmap with outcomes, projects and realistic time ranges.

H1: Data Analyst Learning Path PDF Downloads **Breadcrumb:** Home > Data Analyst Learning Path PDF **Final URL:** <https://uncodemy.com/data-analyst-learning-path-pdf>

Byline: Prepared by the Uncodemy trainer team [CONFIRM: author name and role] · Reviewed by [CONFIRM: reviewer name and role] · Last reviewed: [DATE]

Quick Answer

This page offers Uncodemy's data analyst learning path as a PDF download. It sets out a month-by-month plan: Excel first, then SQL, dashboards, statistics, Python and finally projects and job preparation, with a milestone for each stage. The timings are suggestions that depend on how many hours you can study each week.

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Same rule. **[Download PDF]** → <https://uncodemy.com/pdf/data-analyst-learning-path-3.pdf>

Each button must open its own file. Do not point several buttons at one file. Delete unused optional cards.

Why a path matters

Data analytics has many tools and topics, and without a plan it is easy to bounce between tutorials and feel busy without improving. A learning path fixes the order, sets milestones and keeps practice at the centre. The path below follows the sequence in which skills build on each other: spreadsheets teach you to think in tables, SQL teaches you to retrieve and combine data, dashboards teach you to communicate, statistics teaches you to judge, and Python adds power and repeatability. Projects run alongside everything because they turn knowledge into evidence.

A suggested six-stage path

Stage	Focus	Milestone
1. Foundations	Excel formulas, lookups, pivot tables, charts, data cleaning basics	Clean and summarise a messy dataset in a workbook
2. SQL	SELECT, filters, GROUP BY, joins, subqueries, CTEs, window functions	Answer ten business questions with queries
3. Visualisation and BI	Chart choice, Power BI or Tableau, KPIs, dashboard design	Publish a dashboard with a short user guide
4. Statistics	Summaries, distributions, correlation, sampling, hypothesis tests	Explain a test result in plain language
5. Python	pandas, cleaning, EDA, plotting, notebooks	A reproducible notebook analysis
6. Projects and job prep	Portfolio, case practice, CV, mock interviews	Two or three polished projects and a ready CV

Pacing the plan

How long the path takes depends on your starting point and weekly hours. Someone studying about ten hours a week may spend four to six weeks on each early stage, while a full-time learner can move faster. Do not rush through to reach the topics that sound advanced. A solid grasp of joins, aggregation and pivot logic supports everything that follows, and gaps there will resurface in every project. Set a weekly routine, such as three practice sessions and one review session, and keep it for months rather than cramming.

A weekly study routine that works

1. Two sessions of learning new concepts with short exercises.
2. Two sessions of practice problems without looking at answers.
3. One session on a project that applies the week's skill.
4. One short review where you write what you learned and what confused you.

What to build at each stage

- Stage 1: a cleaned dataset with a pivot summary and a note on your cleaning rules.
- Stage 2: a query file with comments for each business question.
- Stage 3: a dashboard for a defined audience with three to six KPIs.
- Stage 4: a short report on an A/B-style comparison or a correlation study.
- Stage 5: a notebook that cleans, explores and visualises a dataset.
- Stage 6: an end-to-end project and a one-page case summary.

A milestone-level SQL check for stage 2

If you can write and explain this kind of query without help, you are ready to move on. Table names are examples.

```
SELECT c.city,
       COUNT(DISTINCT o.customer_id) AS buyers,
       SUM(o.order_total)             AS revenue,
       ROUND(SUM(o.order_total) * 1.0 / COUNT(DISTINCT o.customer_id), 2) AS revenue_per_buyer
FROM orders o
JOIN customers c ON c.customer_id = o.customer_id
WHERE o.status <> 'cancelled'
GROUP BY c.city
HAVING SUM(o.order_total) > 100000
ORDER BY revenue DESC;
```

Learning with feedback

Self-study works better with feedback. Share your queries and dashboards with a mentor, a study group or an online community and ask for critique. Review other people's work as well, because reading different solutions to the same problem is one of the fastest ways to improve. A trainer-led course can also give structure, live doubt-solving and project review if you prefer guided learning.

Common mistakes on a learning path

- **Starting with advanced machine learning** before mastering SQL and Excel.
- **Watching without practising:** passive learning gives a false sense of progress.
- **Perfecting tools** instead of building projects.
- **Not revisiting basics** when projects expose gaps.
- **Waiting to feel ready** before applying for roles.

Checking your readiness

You are close to job-ready when you can take an unfamiliar dataset, state a business question, clean the data, answer it with SQL or Python, present a clear chart and explain your reasoning aloud in a few minutes. Test yourself on that exact sequence every few weeks and note what

slows you down.

Weekly hours and what to expect

Hours per week	Approach	Result
5 to 8	Slow but steady; one stage at a time	Plan for a longer timeline and keep your streak
10 to 15	Balanced; theory and practice each week	A realistic pace for most learners with a job or classes
20 and above	Intensive; add project time daily	Faster progress, but leave time for rest and review

How to know when to move on

Do not move to the next stage because the calendar says so. Move on when you can do the milestone task without help, explain your solution aloud and spot at least one way it could be improved. If you cannot, spend another week on practice problems and one small project. Progress in analytics is cumulative: a missed fundamental such as joins or grain will keep causing errors until it is fixed.

Related Uncodemy resources

- [Data Analyst Skills Checklist PDF](#)
- [Data Analyst Fresher Guide PDF](#)
- [Data Analytics for Beginners PDF](#)
- [Data Analyst Portfolio Guide PDF](#)

Learn with a trainer [use only the line that is true]

- **Data Analytics course:** <https://uncodemy.com/course/data-analytics-training-course-in-noida>. URL verified on the live site.

(One soft call to action: course link or free demo. No pop-up.)

About these PDFs

These PDFs are study material for learning and revision. They are not a certificate, a degree or a promise of a job, and technology changes, so check official documentation for the latest details. Spot an error? Write to [CONFIRM: feedback email] and the trainer team will review it.

Frequently Asked Questions

What is the best learning path for a data analyst?

A common order is Excel, SQL, a BI tool, statistics, Python and then projects and interview preparation, with practice at every stage.

How long does it take to become a data analyst?

It depends on your background and weekly study time. Plan by milestones, such as completing a project at each stage, rather than by a fixed number of weeks.

Should I learn SQL or Python first?

SQL first is usually better for analyst roles, since most business data is stored in databases. Add Python after you are comfortable with SQL and Excel.

How many projects do I need for my portfolio?

Two or three well-explained projects are better than many shallow ones. Each should show cleaning, analysis and a recommendation.

Can I follow this path without a degree in statistics?

Yes. The statistics stage introduces the ideas needed for analysis in plain terms, and you can deepen it later.

Are these PDFs free to download?

[CONFIRM: state clearly whether the PDFs are free, or whether a short form is needed first.]

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