

Welcome to the Data Analytics course.

Learn Data Analytics From Start To End (FREE!!!)

Want to start a tech career in Data Analytics but No Money?
Welcome to your ultimate skills checklist!
Find free videos, tutorials, and projects to become a data analyst!

To get started in Data Analytics, you will need to be proficient in 5 skills.

- Microsoft Excel
- Structured Query Language (SQL)
- Tableau
- Power BI
- Python / R

This list will include resources under each skill and many more to come. You will also need your soft skills but that won't be covered in this post.

CONTENT

- 1.Excel Courses
- 2.SQL Courses
- 3.Tableau Courses
- 4.Power BI Courses
- 5.Python and R Courses
- 6.How to Create a Data Analytics Portfolio
- 7.Websites for sample datasets
- 8.Resume Samples
- 9.Virtual Internship Links
- 10.Interview and Job search tips.

Before You Begin

Before you go to the checklist, here are some intro courses for you to learn a little about Data Analytics before you start

Start your learning journey here.

Topic	FREE Course Link
Intro Course	https://www.udemy.com/share/106Gg8/
Determining the Right Tech Career for You	https://medium.com/@Sameerah_writes/how-to-determine-the-right-tech-career-for-you-1a7ad90afd75
Best Practices for Tech Learning	https://medium.com/@Sameerah_writes/best-learning-practices-for-tech-courses-in-2023-c9a908f179db

1. EXCEL



Video Tutorials

Excel Basic Tutorial:	https://youtube.com/playlist?list=PLUaB-1hjhk8Hyd5NiPQ9CND82vNodIFF5&si=Is_eREzAcJA4e0HEz
Excel Introduction:	https://youtube.com/playlist?list=PLmHVyfmcRKyx1KSoobwukzf1Nf-Y97Rw0&si=IRpPRH4mLe2N77w0
Excel Lookup Formulas:	https://youtube.com/playlist?list=PLmHVyfmcRKyxpMnh_KKfAgp5DF9ydawmi&si=lpZgD3iZi0FkiG5b
Excel Hacks, tips, and tricks:	https://youtube.com/playlist?list=PLmHVyfmcRKyxVeel8DFjewBSlZYdfd38A&si=121E0jCBLv1MJJKp
Excel Charts:	https://youtube.com/playlist?list=PLmHVyfmcRKyyEj7oQkCf7TL9yQQWXbGOQ&si=bN4esCj_otkAkYVW
Data Preparation Excel:	https://campus.datacamp.com/courses/data-preparation-in-excel/starting-data-preparation-in-excel?ex=1#
Course	Link
Guided Projects	https://youtu.be/opJgMj1IUrc?si=Qsxf4ZgZXHOvLXjI
Introduction to Data Analysis using Microsoft Excel	https://www.coursera.org/projects/introduction-data-analysis-microsoft-excel?

Skills Checklist for Excel to Become a Data Analyst

- Data Aggregation Functions: SUM, COUNT, AVERAGE.
- Chart Types: Bar chart, Column chart, Combo chart, Line chart, Pie chart.
- Data Manipulation: CONCAT, Creating tables, Pivot Tables.

2. SQL (STRUCTURED QUERY LANGUAGE)



Topic Name	FREE Course Link
SQL Basic Tutorial	https://youtube.com/playlist?list=PLUaB-1hjhk8GT6N5ne2qpf603sF26m2PW&si=ta15sx1S8WI3i-91
SQL Intermediate Tutorial	https://www.youtube.com/playlist?list=PLUaB-1hjhk8HTgPnBukmMq7QTe83ANirL
Advanced SQL Tutorial	https://www.youtube.com/playlist?list=PLUaB-1hjhk8EBZNL4nx4Otoa5Wb—rEpU
SQL from start to finish	https://datalemur.com/sql-tutorial
Guided Projects	https://youtu.be/qfyynHBFOsM

Skills Checklist for SQL to Become a Data Analyst

- CASE
- COUNT/COUNT DISTINCT
- FROM
- GROUP BY
- HAVING

- IN
- JOINS
- LEFT JOIN
- INNER JOIN
- OUTER JOIN
- RIGHT JOIN
- LIMIT
- ORDER BY
- SELECT

Curated from [Matt Mike](#).

3. TABLEAU



Tableau Training	Link
Tableau Free Training Video:	https://www.tableau.com/learn/training
Tableau for Beginners:	https://youtube.com/playlist?list=PLUaB-1hjhk8GwbqoVmo_5zuhOa0Tcl3xC&si=cfLTppNV8MHBJDUB
Tableau Full Course:	https://www.youtube.com/watch?v=f6-qBEDnarM

Curated from [Tableau](#) and [Alex the Analyst](#).

Guided Projects	Link
Creating Dashboards:	https://youtu.be/ecy8Lz8Xx7w?si=HV1fvC8kYJ5QXSAj
Tableau Beginner Project:	https://youtu.be/7GnCc31b8JQ?si=uXDt2p_Vrk2GA7am

Curated from [Alex the Analyst](#).

Skills Checklist for Tableau to Become a Data Analyst

- Calculated Fields
- Charting
- Dual Axis
- Connecting a data source
- Dashboards
- Actions
- Objects
- Sizing (automatic vs fixed)
- Views (Default, phone, tablet, etc.)
- Familiar with the Analytics pane (Reference lines, Average lines, etc.)
- Filters
- Groups
- Hierarchies
- Relationships vs Joins

Curated from [Matt Mike](#).

4.POWER BI



Tutorials

https://youtube.com/playlist?list=PLUaB-1hjhk8HqnmK0gQhfmldCbxwoAoyo&si=4WkiJj3ApTpN_-Bv

Microsoft Power BI FREE Courses



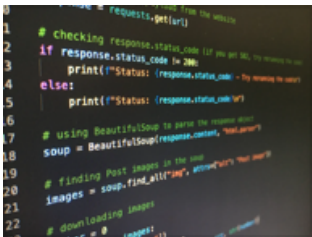
Note: There are a lot of modules for this but it has been filtered for beginners so make sure to take the ones you can. Guided Projects are included in the training videos.

Curated from [Microsoft Power BI](#).

Skills Checklist

- Calculated Columns
- Connecting to Data Source
- Creating Dashboards in the PowerBI service
- Adding comments or alert to tiles
- DAX
- Calculate
- Filter
- SUMX, AVGX, etc
- VAR
- Exporting reports to Powerpoint/PDF
- Filter pane use (page filters, report filters)
- Independent date table — how to make one
- M Language — Basics
- Measures

5.PYTHON AND R



Tutorials

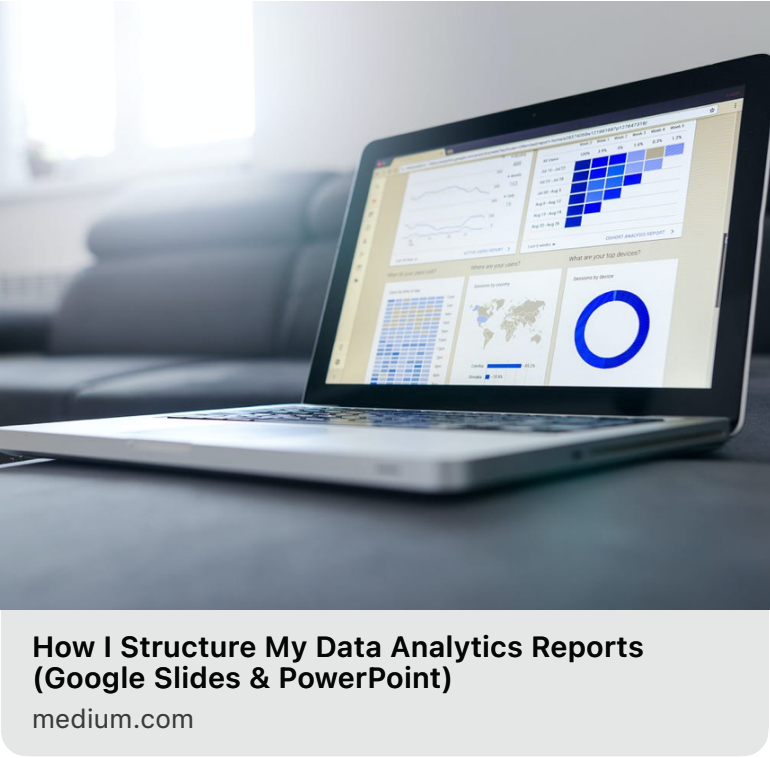
Course	Link
Python for Beginners:	https://www.youtube.com/playlist?list=PLUaB-1hj8k8GHKfndKjyDMHPg_HIQ4vpK
Python Web Scraping Basics:	https://youtube.com/playlist?list=PLUaB-1hj8k8G-xVXA5FXT2cLNzd87Glnr&si=dUPQLiw20RLiocms
Python Project:	https://youtube.com/playlist?list=PLUaB-1hj8k8GnKICG7I-l1tGxiB46SPWA&si=zlhY6RO5sXAc9hg4
R Programming for Beginners:	https://youtube.com/playlist?list=PLtL57Fdbwb_ChndNR0qBjH3esKS2MXY3&si=u_I5Ho34tFnwEx0e
Data visualization using ggplot with R Programming:	https://youtube.com/playlist?list=PLtL57Fdbwb_C6RS0JtBojTNOMVlgeJkS&si=YTSP-BS4RExnGGjt
Data Manipulation with R:	https://youtube.com/playlist?list=PLtL57Fdbwb_AWmWWrFV_pLqq2uicpUIO9&si=Or2piAX3PcwJ7NLj

Curated from [Alex the Analyst](#) and [R Programming 101](#).

6.How to Create a Data Analytics Portfolio

How I Structure My Data Analytics Reports (Google Slides & PowerPoint)

https://medium.com/@Sameerah_writes/how-i-structure-my-data-analytics-reports-google-slides-powerpoint-98b0b1fce336



You can choose any of the sites below to host your portfolio, you don't have to use all of them.

Title	Link
How to use Kaggle	https://youtu.be/e_4NJCjAJFE?si=SzzxRupA_VT41seB
How to use Kaggle Notebook	https://youtu.be/4E7A1ExEgIY?si=jwr9poQNcz4UBJQZ
How to use GitHub	https://youtu.be/iv8rSLsi1xo?si=O2HlecwpG_cVBXzm
How to use GitHub 2	https://youtu.be/v_1iqOnUMg?si=dzykVMLWdwKEuKmL
How to use Google Sites	https://youtu.be/0woNTtlcxgM?si=oq7uCVE_lu2uJJVz
How to create a portfolio website	https://youtu.be/ocdwh0KYeUs?si=fxG_8sgHuiAuZPAq

7.Websites for Samples Datasets

- Kaggle: <https://www.kaggle.com/>
- Datagov: <https://data.gov/>

RESUME SAMPLES



Data Analytics Resume Template	https://bit.ly/3rKjEH3
How to create a data analytics resume	https://youtu.be/WizLaDdsHUs?si=1zVaWcHJlfn7Npw

Curated from [Jess Ramos](#) and [Alex the Analyst](#).

8.VIRTUAL INTERNSHIP

You can take anyone in the link below or take all the internships at companies that operate at a global level. Note that these are unpaid and virtual, they do not take all of your time and you can complete some of them in a day or two.

Forage

theforage.com

9.Jobs and Interview Tips



Title	Link
Tips on using LinkedIn to get a job	https://youtu.be/7uH7_DThtX0?si=oDCB6S-MqGa2l46b
Tips on using LinkedIn to get a job part 2	https://youtu.be/2Fkh_QWHXcA?si=tC3ZORH2tLJd_nQ3
LinkedIn Optimization Tips	https://twitter.com/omoalhajaabiola/status/1692612550473461960?s=46&t=_HvIXw1zGUBrNUpMqTrklg
Interview Red Flags and how to get a remote job	https://twitter.com/daveyhert/status/1695375819999211773?s=46&t=_HvIXw1zGUBrNUpMqTrklg
Data Analyst Interview Questions	https://twitter.com/jessica_xls/status/1687436251610390529?s=46&t=_HvIXw1zGUBrNUpMqTrklg

There you have it, the ultimate list for learning Data Analytics for free.

Friends! Here are some free resources to learn from, but keep in mind that they don't offer **certification** or **doubt-solving support**, and all courses are in English.

If you're looking for a **complete bootcamp in Hindi**, taught by an **experienced Data Scientist**, with features like:

- **Certification upon completion**
- **Doubt-solving support**
- **5-year course access**
- **Job assistance** included,
-

then **Skillsiya's Data Analyst Course** could be the best choice for you!

BECOME A

DATA ANALYST

90 Hours+ | Job Assistance | Industry Projects

Learn

Data Analytics with Working Data Scientist (IIT Delhi)

python

Power BI

MySQL

STATISTICS

MICROSOFT EXCEL

tableau

AI MODULE

STORY TELLING

SkillSiya

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★★★★☆ 4.8 (10 ratings)

Instructor: [Krish Singh, Data Scientist \(IIT Delhi\)](#)

Language: [Hindi](#)

Validity Period: [2000 days](#)

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- Get a **FREE virtual Internship** with Accenture through the Forage
- Assignments & Downloadable Resources
- Verified Certificate,
- you'll get help to earn a free IBM certification and badge to boost your resume
- Learn from Working Trainer (Project-Based Full-Practical Learning)
- 5 Tools Covered (Python, Excel, SQL, Tableau, Power BI)
- Course Access, Class Pdf Notes, Assignments, Available for 5 Years!
- Learn in Hindi
- Practice Real-Time Coding on Our Website with Course Assignments.

Original Price: ~~5999/-~~

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Get the Course

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Power BI

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Thank you!