Data & Business ==Analytics== Roadmap

This one is an old one.

Himanshu Ramchandani
M.Tech | Data Science

Introduction

1. What is Data Analytics
2. Why does Data Analytics exist?
3. How it works

Excel

1. Why Excel
2. How it works
3. Excel formatting
4. Excel Functions
5. Massage Data in Excel
6. Vlookup
7. Vlookup and Match
8. Removing Duplicates
9. Analysing Data in Excel
10. Pivot Table
11. Pivot Charts
12. Building Interactive

Database

1. What are databases
2. Why we use databases
3. What are types

Structure Query Language

1. Setup SQL server

2. Basics of SQL
3. Writing queries
4. Select
5. Creating and deleting tables
6. Filtering data
7. Order
8. Aggregations
9. Others

Data Modeling

1. Relationships
2. Normalization
3. Creating Data Model with SQL
4. Creating relationships with SQL

Data Warehousing

1. What is data warehousing
2. Why we use it
3. How it works
4. ETL
5. Dimensional Modeling
6. Star schema
7. Building Star schema with SQL

Big Data

1. Why Big Data
2. How big data works
3. Distributed Computing
4. CAP theorem

Data Visualization

1. How to use it
2. Visual Perception
3. Colors
4. Chart Type

5. Dashboards

Tableau

1. What is it
2. How it works
3. Why Tableau
4. Installing Tableau
5. Connecting to Data
6. Building charts
7. Calculations
8. Dashboards
9. Sharing our work

Presentations

1. Audience
2. Story
3. Slides
4. Data

Preparation and Processing the Data

1. Data Collection and Analysis
2. Dealing with missing Values
3. Dealing with outliers
4. Z-score

Python

1. Python Basic Concepts
2. List, Tuples, Dictionaries
3. Loops, Conditional Statements
4. Numpy Basics
5. Pandas Basics
6. Working with missing values
7. Real world data
8. Identifying and removing outliers
9. Building an Machine Learning Classifier

Extract Insights

1. Standardization
2. Normalization
3. Transactional and Analytical Processing
4. Vertical and horizontal scaling

Business Analyst

1. BAs Roles and Responsibilities
2. Conducting Business Analytics
3. Project Management and Business Analytics
4. Skills of BA
5. BAs Career Path
6. Understanding Software Development
7. Waterfall vs Agile
8. Steps in SDLC

Data Science ML Full Stack Roadmap
https://github.com/hemansnation/Data-Science-ML-Full-Stack-2022

Join Telegram for Data Science ML AI Resources:
https://t.me/+sREuRiFssMo4YWJl

Connect with me on these platforms:
LinkedIn: https://www.linkedin.com/in/hemansnation/

Twitter: https://twitter.com/hemansnation

GitHub: https://github.com/hemansnation

Instagram: https://www.instagram.com/masterdexter.ai/

Are you a professional?
DM for One-on-One sessions for Python, Data Science, Machine Learning, and Data Engineering.
Here: https://bit.ly/3U6zQvQ