

Literature review

Date	10 May 2023
Team ID	SI/PBL-NT-GP-12271-1683873918
Project Name	The Path to Prosperity: A Comprehensive Analysis of Financial Independence based on Data taken

Topic: A Path to Prosperity: A comprehensive Analysis of Financial Independence based on data taken from Reddit

S.No	TITLE& AUTHOR	METHODS USED	ADVANTAGE
1.	1. <i>Data Analytics Made Accessible</i> by Dr. Anil Maheshwari	<ul style="list-style-type: none">• Real-world examples of data analysis in practice• Case study exercises that could lead to potential portfolio pieces• Review questions to help you check your comprehension• R and Python data mining tutorials for complete beginners	<p>We are surrounded by data, and the amount of new data available to us is growing every day. So is the demand for skilled data professionals. When you're just taking your first steps toward a career as a data analyst, it's key to immerse yourself in the language, ideas, and trends of data. Books are one way to do that.</p> <p>We've curated a list of data analysis</p>

			books appropriate for beginners on a range of topics, from general overviews to topical selections on statistical programming languages, big data, and artificial intelligence.
2.	<i>Numsense! Data Science for the Layman: No Math Added</i> by Annalyn Ng and Kenneth Soo	While this book is geared toward beginners, it also offers value to practicing data scientists. Use it as a refresher on communicating what you're working on to business partners.	Reading this book provides a gentle immersion into the world of data science—perfect for someone coming from a non-technical background. The authors walk you through algorithms using clear language and visual explanations, so you don't get bogged down in complex math.
3.	<i>Python for Everybody: Exploring Data in Python 3</i> by Dr. Charles Russell Severance	It's a useful resource on its own and even more valuable when used alongside Dr. Severance's popular course, Python for Everybody (available on Coursera).	This book will have you write your first program in minutes. Dr. Charles Severance of the University of Michigan walks readers through the process of

			learning to “speak” to a database through Python.
4.	<i>SQL QuickStart Guide: The Simplified Beginner's Guide to Managing, Analyzing, and Manipulating Data With SQL</i> by Walter Shields	Access to a sample database and SQL browser app, so you can immediately put what you’re learning into action. You’ll also get lifetime access to a host of digital tools—workbooks and reference guides among them—to complement your learning.	This is so much more than a book. When you buy this book on Structured Query Language (SQL), you get access to a sample database and SQL browser app, so you can immediately put what you’re learning into action. You’ll also get lifetime access to a host of digital tools—workbooks and reference guides among them—to complement your learning.
5.	<i>Data Science for Business: What You Need to Know about Data Mining and Data-Analytic Thinking</i> by Foster Provost and Tom Fawcett	This book digs deep into the importance of data for business decision making. If you’re interested in pursuing a career as a business analyst , consider this an introduction to how data science and business work together and what goes into data-driven decision making.	This book by two experts in the field goes beyond the buzzword to illuminate just how big data is already changing our world, for better and sometimes worse.

6.	<i>Artificial Intelligence: A Guide for Thinking Humans</i> by Melanie Mitche	While data analysts don't necessarily need a deep understanding of AI, it can be helpful to understand these technologies and their impact on the world of data analytics. Mitchell approaches these topics in a way that's clear and engaging.	This book digs deep into the importance of data for business decision making. If you're interested in pursuing a career as a business analyst , consider this an introduction to how data science and business work together and what goes into data-driven decision making.
7.	<i>Storytelling with Data: A Data Visualization Guide for Business Professionals</i> by Cole Nussbaumer Knaflic <i>Storytelling with Data: A Data Visualization Guide for Business Professionals</i> by Cole Nussbaumer Knaflic	<ul style="list-style-type: none"> • Recognize context • Choose the right visualization for the right situation • Eliminate clutter and highlight the most important parts of the data • Think like a visual designer • Build presentations using multiple visuals to tell a compelling story 	By reading this book, you can start to separate the hype surrounding the idea of artificial intelligence (AI) from reality. Author Melanie Mitchell, a computer scientist, explores the history of AI and the people behind it to help readers better understand complex concepts like neural networks, natural language processing, and computer vision models.
8.	9. <i>The Hundred-Page Machine</i>	This compact read covers an immense	In data analysis, our data is often

	<i>Learning Book</i> by Andriy Burkov	amount of information. Topics include supervised and unsupervised learning, neural networks, cluster analysis, and hyperparameter tuning.	only as good as the stories we tell with it. This book walks you through the fundamentals of communicating with data through storytelling and visualization.
9.	<i>Business unIntelligence: Insight and Innovation beyond Analytics and Big Data</i> by Dr. Barry Devlin	<ul style="list-style-type: none"> • The birth of the biz-tech ecosystem • Practical tips for using big data • Data-based, intuitive, and collaborative decision making (and why companies need all three) 	This title delivers on its promise: an overview of machine learning in a little bit more than 100 pages (140 to be exact). It's short enough to read in a single sitting. Andriy Burkov offers a solid introduction to the field, even if you have no statistical or programming experience.