**Data Analyst Training Program - 14-Week Plan with Submission Guidelines**

**Guidelines**

1. **Project Tutorial Link**:  
   Below is the project tutorial link where you need to finish **6 videos per week**:  
   [Data Analyst Bootcamp - YouTube Playlist](https://www.youtube.com/playlist?list=PLUaB-1hjhk8FE_XZ87vPPSfHqb6OcM0cF)
2. **Weekly Plan**:
   * Watch **6 videos per week** and complete the **hands-on exercises** for each video.
   * Ensure you understand the concepts and apply them practically.
3. **Weekly Submission Requirements**:
   * **Deadline**: Every **Sunday**, you must push your work to GitHub.
   * Your submission should include:
     + All **6 video-related code implementations**.
     + A **documentation file** summarizing your learnings from each video.
4. **Documentation Guidelines**:
   * Create a **clear and concise write-up** for each video.
   * For every video, mention:
     + The concepts covered.
     + How you implemented them in your project.
     + Any challenges faced and solutions applied.
5. **GitHub Setup and Usage**:
   * Follow these guides to set up GitHub and push your code:
     + [Set Up Git](https://docs.github.com/en/get-started/quickstart/set-up-git)
     + [Pushing to a Remote Repository](https://docs.github.com/en/get-started/quickstart/pushing-to-a-remote-repository)
6. **Submission of Work**:
   * After completing the first 6 videos, push your code to GitHub.
   * Ensure the **repository is set to public** (not private).
   * Send your GitHub repository link to **cybern253@gmail.com** for review.
   * Continue this process weekly for all subsequent submissions.
7. **Note**:
   * We will **monitor your progress weekly**.
   * Ensure your **GitHub repository** is updated every week with:
     + The code implementations for the 6 videos you completed.
     + The corresponding documentation file.
   * Failure to update your GitHub weekly will impact your evaluation.

**14-Week Plan**

**Week-1 Plan**

* **Video 1**: How to Become a Data Analyst in 2023 (Completely FREE!)
* **Video 2**: Installing MySQL and Creating Databases | MySQL for Beginners
* **Video 3**: Select Statements in SQL | SQL for Beginners
* **Video 4**: Filtering Data with WHERE Clause | SQL for Beginners
* **Video 5**: Understanding JOINs in SQL | SQL for Beginners
* **Video 6**: Grouping Data with GROUP BY | SQL for Beginners

**Week-2 Plan**

* **Video 7**: Subqueries in SQL | SQL for Beginners
* **Video 8**: Common Table Expressions (CTEs) | SQL for Beginners
* **Video 9**: Window Functions in SQL | SQL for Beginners
* **Video 10**: Data Cleaning Techniques in SQL
* **Video 11**: Introduction to Data Visualization with Tableau
* **Video 12**: Connecting Tableau to SQL Databases

**Week-3 Plan**

* **Video 13**: Creating Bar Charts in Tableau
* **Video 14**: Building Line Charts in Tableau
* **Video 15**: Designing Pie Charts in Tableau
* **Video 16**: Using Scatter Plots in Tableau
* **Video 17**: Creating Dashboards in Tableau
* **Video 18**: Storytelling with Data in Tableau

**Week-4 Plan**

* **Video 19**: Introduction to Power BI
* **Video 20**: Connecting Power BI to Data Sources
* **Video 21**: Creating Visualizations in Power BI
* **Video 22**: Building Interactive Dashboards in Power BI
* **Video 23**: Data Modeling in Power BI
* **Video 24**: DAX Functions in Power BI

**Week-5 Plan**

* **Video 25**: Advanced DAX Functions in Power BI
* **Video 26**: Time Intelligence in Power BI
* **Video 27**: Data Cleaning with Power Query
* **Video 28**: Merging and Appending Queries in Power BI
* **Video 29**: Creating Calculated Columns and Measures in Power BI
* **Video 30**: Publishing Reports to Power BI Service

**Week-6 Plan**

* **Video 31**: Introduction to Python for Data Analysis
* **Video 32**: Setting Up Python Environment
* **Video 33**: Data Structures in Python
* **Video 34**: Reading and Writing Data with Pandas
* **Video 35**: Data Cleaning with Pandas
* **Video 36**: Data Visualization with Matplotlib

**Week-7 Plan**

* **Video 37**: Advanced Data Visualization with Seaborn
* **Video 38**: Exploratory Data Analysis in Python
* **Video 39**: Merging and Joining DataFrames in Pandas
* **Video 40**: Aggregation and Grouping in Pandas
* **Video 41**: Time Series Analysis in Python
* **Video 42**: Building Machine Learning Models with Scikit-Learn

**Week-8 Plan**

* **Video 43**: Linear Regression in Python
* **Video 44**: Logistic Regression in Python
* **Video 45**: Decision Trees in Python
* **Video 46**: Random Forests in Python
* **Video 47**: K-Means Clustering in Python
* **Video 48**: Principal Component Analysis (PCA) in Python

**Week-9 Plan**

* **Video 49**: Introduction to SQL in Data Analytics Projects
* **Video 50**: Case Study: SQL for Business Analytics
* **Video 51**: Advanced SQL Techniques for Data Analysts
* **Video 52**: Tableau Advanced Features: Animations and Stories
* **Video 53**: Building End-to-End Data Projects
* **Video 54**: Preparing for Data Analyst Interviews

**Week-10 to Week-14 Plan**

Repeat similar steps for advanced topics, expanding upon Python-based predictive analytics and hands-on case studies.