**Guidelines and Resources for Data Science Interns - Task Execution 🚀**

**Hello Data Science Interns,**

Welcome to your data-driven journey! We're thrilled to have you on board for this internship, and we hope it's a fulfilling and insightful experience. To kick things off, here are some guidelines, tips, and resources to help you navigate through your tasks successfully.

### **Task 1: YouTube Streamer Analysis**

#### **Tools to Use:**

* Data Exploration and Analysis:
  + Python: Utilize Pandas, NumPy, Matplotlib, and Seaborn for data manipulation and visualization.
  + R: If you prefer R, explore the dplyr, ggplot2, and tidyr packages.
* Online Learning Platforms:
  + Check out courses on Coursera and edX for data science and analysis basics.
  + Explore YouTube tutorials on data analysis using Python or R.
* Conceptual Understanding:
  + Familiarize yourself with basic statistics (mean, median, mode, standard deviation) using online resources like Khan Academy or Stat Trek.
* Visualization Inspiration:
  + Explore Tableau Public or D3.js gallery for creative visualization ideas.
  + Read “Storytelling with Data” by Cole Nussbaumer Knaflic for visualization principles.

### **Task 2: Power BI Dashboard Creation - Terrorism Database**

#### **Tools to Use:**

* Power BI Learning Resources:
  + Dive into Microsoft’s tutorials and documentation for Power BI.
  + Enroll in Udemy or LinkedIn Learning courses for comprehensive Power BI training.
* Data Visualization Best Practices:
  + Learn from “The Big Book of Dashboards” for visual analytics concepts.
  + Stay updated on blogs and forums like the Power BI Community Blog for tips and tricks.
* Sample Dashboards:
  + Explore online galleries or communities where professionals share their Power BI dashboards for inspiration.

### **General Resources:**

* LinkedIn Learning:
  + Enhance your skills with LinkedIn Learning's extensive library, covering a variety of data science topics.
* GitHub:
  + Explore projects and repositories related to data analysis and Power BI on GitHub.
* Blogs and Podcasts:
  + Follow data science blogs like Towards Data Science on Medium.
  + Listen to podcasts such as “Data Skeptic” or “Not So Standard Deviations” for insights into the data science community.

### **Soft Skills and Additional Guidance:**

* Critical Thinking and Problem-Solving:
  + Approach problems methodically and think critically about the data.
* Effective Communication:
  + Learn to present data and insights in an understandable way for a non-technical audience.
* Time Management:
  + Explore workshops or webinars on managing time and staying productive.

Remember, you're not alone in this journey. Feel free to ask questions, seek clarification, and share your progress. Regular check-ins will be scheduled to discuss your challenges and provide feedback.

**Best of luck, and enjoy the learning process!**