**Guidance and Tools for Power BI Interns**

**Hello Power BI Interns,**

Welcome to your Power BI internship! We're thrilled to have you on board. Your tasks involve creating impactful dashboards, and we're here to support you throughout the journey. Here's a guide to help you get started:

### **Task 1: Power BI Dashboard Creation - Terrorism Database**

#### 1. **Data Preparation:**

* Import Data: Use Power BI to import the Terrorism Database.
* Clean Data: Address missing values and outliers. Ensure correct data types.

#### 2. **Data Visualization:**

* Time Series: Visualize the number of terrorist attacks over time.
* Geospatial Analysis: Map attack locations.
* Trend Analysis: Analyze attack types and weapons used.
* Comparative Analysis: Compare casualties by region or year.

#### 3. **Interactive Dashboard:**

* Slicers and Filters: Build an interactive dashboard with slicers and filters.
* Drill-Through Options: Allow users to explore data dynamically.

#### 4. **Narrative and Insights:**

* Provide Insights: Write a brief narrative explaining key findings.
* Regional Impact: Offer insights into the most affected regions and the impact of terrorism over time.

#### 5. **User-Friendly Design:**

* Clarity: Ensure the dashboard is user-friendly with appropriate color schemes.
* Layout: Use clear layouts for an intuitive experience.

### **Task 2: Power BI Dashboard Creation - COVID-19 Daily Cases**

#### 1. **Data Import and Preparation:**

* Import COVID-19 Data: Utilize Power BI for data import.
* Clean Data: Handle missing values and ensure consistency.
* Time Series Analysis: Set up the data for daily case trends.

#### 2. **Visualization and Analysis:**

* Daily Case Trends: Visualize daily trends in confirmed cases, deaths, recoveries, and testing.
* Geospatial Analysis: Map the geographic spread of COVID-19 cases.
* Comparative Analysis: Compare statistics across different countries or regions.

#### 3. **Optional: Vaccination Progress:**

* If available, include visualizations of vaccination progress and its impact on case numbers.

#### 4. **Interactive Dashboard:**

* Filtering Options: Build an interactive dashboard with filters for countries or regions.

#### 5. **Narrative and Insights:**

* Provide a Narrative: Explain key findings and insights.
* Public Health Measures: Analyze the impact of measures like lockdowns or vaccination campaigns.

#### General Resources for Power BI Interns:

* Power BI Documentation:
  + Power BI Documentation - Explore official documentation for in-depth learning.
* LinkedIn Learning:
  + Power BI Courses on LinkedIn Learning - Access courses for comprehensive learning.

Remember, these tasks are about not just completing them but also understanding the process. If you have questions or need clarification, feel free to reach out.

**Best of luck with your Power BI projects, and enjoy your internship journey!**