**Recommended Structure and Order**

1. **Project Title / Headline**  
   *A concise, descriptive name for the dashboard.*  
   **Example**:

❄️ Snowy Analytics: Global Ski Resort Insights Dashboard

A dynamic, interactive data visualization tool built to explore ski resort data worldwide—focusing on regional comparisons, resort attributes, terrain complexity, and skier suitability.

1. **Short Description / Purpose**  
   *1–2 sentences explaining what the dashboard does and why it exists.*  
   **Example**:

The **Snowy Analytics Dashboard** is a visually engaging and analytical Power BI report designed to help users explore and compare over 499 ski resorts across 38 countries and 5 continents. The dashboard focuses on highlighting major ski resort features like summer skiing availability, night skiing, lift types, and slope difficulty. This tool is intended for use by tourism analysts, winter sports enthusiasts, travel companies, and data-driven strategists who seek to understand trends and characteristics of ski resorts globally.

1. **Tech Stack**  
   *List the key technologies used to build the dashboard.*  
   **Example**:

The dashboard was built using the following tools and technologies:

* **📊 Power BI Desktop** – Main data visualization platform used for report creation.
* **📂 Power Query** – Data transformation and cleaning layer for reshaping and preparing the data.
* **🧠 DAX (Data Analysis Expressions)** – Used for calculated measures, dynamic visuals, and conditional logic.
* **📝 Data Modeling** – Relationships established among tables (resorts, snow, and data\_dictionary) to enable cross-filtering and aggregation.
* **📁 File Format** – .pbix for development and .png for dashboard previews.

1. **Data Source**

*More info on where the data comes from and how it’s structured*

**Example**:

*Source: Ski-resort-stats.com & NASA Earth Observations.*

*Data on ~500 ski resorts around the world, including details on their location, prices, slopes, lifts, and seasons, as well as a complementary table with the snow cover around the world for each month of 2022.*

1. **Features / Highlights**  
   *The best dashboard explanation format.*

* *Business problem*
* *Goal of the dashboard*
* *Walk through of key visuals (briefly!)*
* *Business impact & Insights*

**Example**:

* ***Business Problem***

*The global ski tourism industry generates billions in revenue, yet travelers, tour operators, and analysts often lack an intuitive way to compare resorts across countries.*

*Key questions such as:*

*Which regions offer the most family-friendly or expert-level skiing?*

*Where is summer skiing available?*

*What countries have the most well-equipped resorts?*

*… are difficult to answer quickly with raw data.*

* ***Goal of the Dashboard***

*To deliver an interactive visual tool that:*

*Enables users to explore ski resorts globally.*

*Supports decisions such as vacation planning, regional marketing, or infrastructure investment.*

*Uncovers trends in terrain, accessibility, and tourism capacity by region and resort.*

* ***Walkthrough of Key Visuals***
* ***Key KPIs (Top Left)***

*Total number of resorts:* ***499***

*Resorts with summer skiing:* ***29***

*Resorts with night skiing:* ***204***

*Child-friendly resorts:* ***495***

*Countries covered:* ***38***

*Continents represented:* ***5***

* ***Continent Filter Panel***

*An interactive slicer lets users filter all visuals by selected continents, such as Europe or Asia.*

* ***Top Countries with Most Resorts (Bar Chart)***

*Bar chart ranks countries like Austria, France, and the U.S. by number of ski resorts.*

* ***Slopes by Resort (Line Chart)***

*Displays the distribution of slope types (beginner, intermediate, expert, and total). Helps identify which resorts favor beginners vs. experts.*

* ***Resorts by Skill Level (Dual Line Charts)***

*Two line visuals side by side: one for resorts that cater to beginners, another for experts—allowing skill-level segmentation.*

* ***Elevation Stats (Grouped Bar Chart)***

*Compare the highest and lowest elevation points of resorts to understand terrain steepness and potential snow quality.*

* ***Lift Types by Resort (Stacked Bar Chart)***

*Stacked bar chart showing:*

*Gondola lifts*

*Chair lifts*

*Surface lifts*

*Total lifts*

*This helps users gauge resort infrastructure and capacity.*

* ***Business Impact & Insights***

***Marketing Optimization****: Travel agencies can use this dashboard to identify key selling points for different demographics (e.g., child-friendly resorts or expert terrain).*

***Strategic Expansion****: Resort developers can spot underdeveloped regions with high potential.*

***Vacation Planning****: Tourists can plan trips based on slope availability, elevation, and terrain difficulty.*

***Regional Analysis****: Governments and tourism bodies can analyze competitiveness by region.*

1. **Screenshots / Demos**  
   *Show what the dashboard looks like*.

**Example**:

