Data Wrangling Warriors: Official Rule Book

1. Introduction

Welcome to Data Wrangling Warriors! This competition challenges participants to demonstrate their skills in data cleaning, exploratory data analysis (EDA), data visualization, and storytelling within a timed environment. The event will take place over two days at the Expo Center, Karachi. Please review the following rules and guidelines to ensure a smooth and successful competition.

2. Event Details

- **Event Dates:** October 12-13, 2024
- **Location:** Expo Center, Karachi
- **Competition Duration:** 2 hours per team
- **Schedule:**
  - **Data Cleaning, EDA, and Visualization:** 90 minutes
  - **Storytelling and Presentation:** 30 minutes

3. Objectives

Participants will be provided with a dataset and are required to:

1. **Data Cleaning:** Address and correct issues within the dataset.
2. **Exploratory Data Analysis (EDA):** Analyze the dataset to uncover trends, patterns, and insights.
3. **Data Visualization:** Create effective visual representations of the data.
4. **Storytelling and Presentation:** Develop and present a compelling narrative based on the analysis.

4. Eligibility

1. **Participants:** Open to individuals or teams. Teams must consist of exactly 2 members.
2. **Affiliations:** No restrictions based on professional or academic affiliations.

5. Dataset and Deliverables

1. **Dataset Provision:**
   - **Format:** The dataset will be provided in CSV or Excel format at the start of the competition.
   - **Access:** Datasets will be distributed on-site.
2. **Deliverables:**
   - **Data Cleaning:** Cleaned dataset submitted within the 90-minute window.
   - **Exploratory Data Analysis (EDA):** EDA findings and insights to be shared in the same 90-minute window.
   - **Data Visualization:** Visualizations created during the 90-minute period.
   - **Storytelling and Presentation:** A 30-minute presentation summarizing the findings and insights.

6. Competition Format

1. **Phase 1: Data Cleaning, EDA, and Visualization (90 minutes)**
   - **Tasks:** Clean the dataset, perform exploratory analysis, and create visualizations.
   - **Tools:** Participants may use any software or tools they prefer.
2. **Phase 2: Storytelling and Presentation (30 minutes)**
   - **Tasks:** Prepare and deliver a presentation that effectively communicates the analysis and insights.
   - **Format:** Presentations will be made to a panel of judges.

7. Judging Criteria

1. **Data Cleaning:**
   - Accuracy in handling data issues.
   - Completeness and consistency of the cleaned dataset.
2. **Exploratory Data Analysis (EDA):**
   - Depth and relevance of the analysis.
   - Insightfulness of findings.
3. **Data Visualization:**
   - Clarity, effectiveness, and aesthetic quality of visualizations.
   - Appropriateness of visualization methods.
4. **Storytelling and Presentation:**
   - Coherence and persuasiveness of the narrative.
   - Quality and professionalism of the presentation.
   - Ability to clearly convey insights to a non-technical audience.

8. Code of Conduct

1. **Fair Play:** Participants must adhere to principles of honesty and integrity. Any form of cheating or plagiarism will result in disqualification.
2. **Respect:** Maintain respect for all participants, judges, and organizers.
3. **Collaboration:** Teams of exactly 2 members are allowed. All team members must contribute actively to the project.

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9. Resources and Support

1. **Tools:** Participants may use any tools or software available to them.
2. **Guidelines:** Detailed competition guidelines will be provided on-site.
3. **Support:** On-site assistance will be available for any queries.

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10. Prizes and Recognition

1. **Awards:** Prizes will be awarded to the top individuals or teams. Details on prizes will be announced separately.
2. **Recognition:** Winners will be featured on the event's website and may receive certificates or trophies.

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11. Disqualification and Appeals

1. **Disqualification:** Grounds for disqualification include plagiarism, cheating, or failure to follow competition guidelines.
2. **Appeals:** Participants may appeal disqualification decisions by submitting a written request to the competition committee. The committee's decision is final.

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12. Important Dates

- **Competition Dates:** October 12-13, 2024

13. Contact Information

For any questions or additional information, please contact us at:

- **Email:** contact@teknofestpakistan.com
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Good luck to all participants! We look forward to seeing your data wrangling skills in action.