Yes, I understand your intent perfectly. You’re proposing to simplify and guide the cleaning process by bundling actions into logical groups while providing clear explanations for each action bundle. This approach makes the tool more user-friendly, especially for users who might be overwhelmed by too many granular options.

Here's a breakdown of your plan and whether it can be implemented in **Streamlit**:

**Key Objectives:**

1. **Dataset Overview**:
   * Precheck identifies issues and provides a concise summary of the dataset's problems (e.g., types of columns, missing values, inconsistencies).
   * This summary informs the user about what the dataset looks like and what needs fixing.
2. **Action Bundles**:
   * Bundle related cleaning actions into predefined groups (e.g., white space removal + handling blank cells in numeric columns).
   * Explain the exact impact of each bundle on the dataset.
3. **Execution**:
   * Allow the user to click a single button to apply the selected bundle of actions.
   * Present a cleaned dataset preview after each bundle execution.
4. **Simplified Workflow**:
   * Users make fewer decisions upfront but still maintain control.
   * Logical explanations guide users through the cleaning steps.

**Streamlit Feasibility:**

1. **Precheck and Summarization**:
   * Streamlit is fully capable of identifying and summarizing issues in a dataset concisely.
   * A simple table or bullet list of issues can be presented, along with column type detection.
2. **Action Bundles**:
   * Streamlit can handle action bundles using radio buttons or checkboxes.
   * Clear descriptions can accompany each bundle.
   * Example:
   * Bundle A: Removes white spaces and fills blank cells in numeric columns with mean values.
   * Bundle B: Removes white spaces and fills blank cells in non-numeric columns with 'NaN'.
3. **Execution and Feedback**:
   * A single "Execute" button can trigger the selected bundle’s logic.
   * A success message and dataset preview can be shown after execution.
4. **Desirability for Users**:
   * **Pros**:
     + Users spend less time selecting individual options.
     + It's simpler for beginners or users handling typical datasets.
   * **Cons**:
     + Advanced users with complex datasets might find the approach limiting.
     + Some datasets may require granular control for specific cleaning actions.

**Is This a Workable Solution?**

Yes, this is absolutely workable in **Streamlit**. It simplifies the user experience without sacrificing functionality. For datasets with common issues (like the one you provided), this approach would deliver quick and effective results.

**Should We Proceed With This Approach?**

**Recommended Approach**:

* Implement **Action Bundles** as an additional feature rather than replacing the existing granular approach.
* Allow users to toggle between:
  + Guided mode with action bundles.
  + Advanced mode with full control over individual cleaning actions.
* Test the guided mode to evaluate user feedback.

Does this align with what you envision? If yes, we can begin implementing the guided action bundle mode.