**Dashboard 1: Run Expectancy by Pitch Type and Team**

**Tasks for Testing the Home Page**

1. **Navigate to Key Sections**
   * Locate and navigate to the "About Us" section.
   * Find and click on the links to the main dashboards (e.g., Run Expectancy, Batting Average vs Expected Batting Average).
   * Verify that each link takes you to the correct section or dashboard.
2. **Evaluate Navigation and Usability**
   * Test the menu navigation by accessing different pages through the main menu.
   * Ensure that the home page is easily navigable, and all links work correctly.
   * Provide feedback on the overall layout and ease of finding information.

These tasks will help ensure that the home page is intuitive, user-friendly, and effectively directs users to the key sections of the site.

1. **Compare Run Expectancy for Different Pitch Types Across Teams**
   * Select two different pitch types (e.g., FF and SI) from the pitchtype\_name filter.
   * Observe the changes in run expectancy for at least three teams.
   * Note which pitch type shows a higher average delta in run expectancy for these teams.
2. **Analyze a Specific Team’s Performance Against All Pitch Types**
   * Choose a specific team (e.g., BOS) from the Home Team filter.
   * Analyze the heatmap and detail chart to identify which pitch types have the highest and lowest run expectancy changes for the selected team.
   * Record your findings on how this team performs against different pitch types.
3. **Identify Trends Over Time for a Specific Pitch Type**
   * Select a specific pitch type (e.g., FC) from the pitchtype\_name filter.
   * Observe the trends over time for all teams.
   * Identify and note any teams that have significant changes in run expectancy for the selected pitch type over the displayed seasons.

**Dashboard 2: Actual Batting Average vs Expected Batting Average**

1. **Evaluate Expected vs Actual Batting Average for a Specific Year**
   * Select a specific game year (e.g., 2024) from the Game Year filter.
   * Compare the expected batting average to the actual batting average for at least five players (batter/pitcher pairs).
   * Note any players with significant deviations between expected and actual batting averages.
2. **Compare Performance of Different Teams**
   * Choose two teams (e.g., ATL and BOS) from the Home Team filter.
   * Analyze the detail chart to compare the expected and actual batting averages for players from these teams.
   * Document any notable differences in performance between the teams.
3. **Identify High-Performing Players**
   * Use the scatterplot to find players with an actual batting average significantly higher than the expected batting average.
   * Select the players (batter/pitcher IDs) from the detail chart.
   * Record the performance metrics (e.g., actual batting average, expected batting average) for at least three high-performing players.

**Tasks for Testing the Data Dictionary Page**

1. **Search and Identify Definitions for Specific Terms**
   * Use the search functionality (if available) or manually locate the definitions for the following terms: wOBA, FIP, and ISO.
   * Ensure that each term's definition is clear and correctly understood.
   * Record the definitions for these terms and note any areas where the definitions might need further clarification or additional examples.
2. **Cross-Reference Metrics and Terms Across Categories**
   * Select one term from each of the following categories:
     + **General Terms:** e.g., Run Expectancy
     + **Pitching Metrics:** e.g., K/9
     + **Hitting Metrics:** e.g., OPS+
     + **Fielding Metrics:** e.g., DRS
     + **Advanced Metrics:** e.g., xwOBA
   * Read and understand the definitions for these selected terms.
   * Create a short explanation of how each selected term might be used together in analyzing a baseball game's performance, highlighting any connections or dependencies between the metrics.

**Task 9: Contact**

* **Instruction**: click linkedin links for each team member and ensure it works.

**Objective**: Examine to see if the user can access the linkedin page for each team member.

FEEDBACK SUMMARY

Home Page

**Feedback Summary:**

* **Navigation to Key Sections:**
  + Users found the "About Us" section easily.
  + All links to the main dashboards worked correctly.
  + Navigation was smooth and intuitive.
* **Navigation and Usability:**
  + Menu navigation was straightforward.
  + All links functioned as expected.
  + Users appreciated the clear layout and ease of finding information.
  + Overall, the home page was deemed user-friendly and well-organized.

Run Expectancy by Pitch Type and Team

**Feedback Summary:**

* **Comparing Run Expectancy:**
  + Users found it easy to select different pitch types and compare run expectancy.
  + The visualizations clearly showed differences in run expectancy across teams.
* **Team Performance Analysis:**
  + The heatmap and detail chart were effective for analyzing specific team performance.
  + Users could easily identify pitch types with the highest and lowest run expectancy changes.
* **Trend Identification:**
  + The dashboard effectively displayed trends over time.
  + Users appreciated the ability to identify significant changes in run expectancy for specific pitch types.

Actual Batting Average vs Expected Batting Average

**Feedback Summary:**

* **Comparing Expected vs Actual Batting Average:**
  + Users easily selected the game year and compared batting averages.
  + Significant deviations were clearly visible.
* **Team Performance Comparison:**
  + The detail chart effectively compared team performances.
  + Users noted differences between teams easily.
* **Identifying High-Performing Players:**
  + The scatterplot was useful for identifying high-performing players.
  + Performance metrics were easily accessible and clear.

Data Dictionary

**Feedback Summary:**

* **Search and Identify Definitions:**
  + Users were able to find definitions easily.
  + Definitions were clear and understandable.
  + Some users suggested additional examples for clarity.
* **Cross-Referencing Metrics:**
  + Users found it helpful to understand how different metrics are related.
  + The cross-referencing task provided valuable insights into the application of various terms.
  + Users appreciated the structured approach to learning about the metrics.

Contact Page

**Feedback Summary:**

* **LinkedIn Links:**
  + None of the LinkedIn links work correctly.
  + Users couldn’t properly access the LinkedIn pages.

This feedback summary provides an overview of the usability test results for each page, highlighting user experiences and suggestions for improvement.

**Feedback Summary:**

* **LinkedIn Links:**
  + All LinkedIn links worked correctly.
  + Users were able to access the LinkedIn pages without any issues.

This feedback summary provides an overview of the usability test results for each page, highlighting user experiences and suggestions for improvement.