**Options for Columns**

**1. Grade**

* 8: Standard 8th
* 9: Standard 9th
* 10: Standard 10th

**2. Subjects (CBSE Board)**

* Mathematics
* Science
* Social Studies
* English
* Hindi
* Sanskrit (Optional for some students)

**3. PreferredSubjects/WeakSubjects**

* List of subjects from the above list based on performance.

**4. LearningStyle**

* **Visual**: Learns best through visual aids like diagrams and videos.
* **Auditory**: Prefers listening to explanations or lectures.
* **Kinesthetic**: Learns through hands-on activities and experiments.
* **Logical**: Thrives in problem-solving and analytical tasks.

**5. Hobbies**

* Sports
* Arts (Drawing, Painting, etc.)
* Music
* Dance
* Reading
* Technology (Coding, Robotics)
* Writing

**6. Subject Scores**

* Represented as numbers between 35 to 100.

**7. CareerInterest**

* Engineer
* Doctor
* Teacher
* Scientist
* Artist
* Entrepreneur
* Government Services

**Dataset Explanation**

The dataset will have students from **Dhule District**, Maharashtra, with the following characteristics:

1. Age group: **14–16 years**.
2. Grades: **8th to 10th**.
3. Schools: Randomly assigned fictional school names within Dhule District.
4. Subjects and test scores align with CBSE curricula.
5. Personal preferences, such as learning styles and career interests, distributed realistically.

**Explanation of Columns in the Dataset**

1. **StudentID**:
   * Unique identifier assigned to each student in the dataset.
2. **Name**:
   * Placeholder for the student’s name (e.g., Student\_1, Student\_2).
3. **Age**:
   * Age of the student (ranges from 14 to 16, representing students in grades 8 to 10).
4. **Grade**:
   * Academic grade of the student in the Indian CBSE curriculum (8, 9, or 10).
5. **Mathematics**:
   * Test score in the subject of Mathematics (range: 35–100).
6. **Science**:
   * Test score in the subject of Science (range: 35–100).
7. **English**:
   * Test score in the subject of English (range: 35–100).
8. **Hindi**:
   * Test score in the subject of Hindi (range: 35–100).
9. **Sanskrit**:
   * Test score in the subject of Sanskrit (range: 0–100).
   * A score of 0 indicates the student has not opted for Sanskrit.
10. **SocialStudies**:
    * Test score in the subject of Social Studies (range: 35–100).
11. **PreferredSubjects**:
    * List of subjects where the student excels or shows interest.
    * Subjects are selected based on higher test scores.
12. **WeakSubjects**:
    * List of subjects where the student needs additional guidance.
    * Subjects are identified based on lower test scores.
13. **LearningStyle**:
    * The preferred way the student learns best. Possible values:
      + **Visual**: Prefers visual aids like diagrams, charts, and videos.
      + **Auditory**: Prefers listening to explanations and discussions.
      + **Kinesthetic**: Learns through hands-on activities and experiments.
      + **Logical**: Enjoys problem-solving and analytical thinking.
14. **Hobbies**:
    * List of extracurricular activities the student enjoys. Possible values:
      + **Sports**: Physical activities like cricket, football, etc.
      + **Arts**: Creative activities like drawing, painting, etc.
      + **Music**: Interest in singing or playing instruments.
      + **Dance**: Interest in performing dance.
      + **Reading**: Enjoys reading books or articles.
      + **Technology**: Interest in coding, robotics, or related tech fields.
      + **Writing**: Enjoys creative writing or journaling.
15. **CareerInterest**:
    * Aspirations for potential future careers. Possible values:
      + **Engineer**: Aspires to work in engineering fields.
      + **Doctor**: Interested in pursuing a medical career.
      + **Teacher**: Wishes to become an educator.
      + **Scientist**: Aspires to work in research and scientific innovation.
      + **Artist**: Interested in creative careers in arts.
      + **Entrepreneur**: Aspires to start and manage their own business.
      + **Government Services**: Interested in administrative or public service roles.

Let me know if you need further clarification or additional modifications to the dataset!