Catapult Dataset Summary

Overview: Catapult Sports

This dataset is derived from Catapult Sports wearables, which are commonly used in basketball to track athlete performance, workload, and movement patterns. These wearables use GPS, accelerometers, gyroscopes, and magnetometers to capture detailed motion data, including:

- **Player Load:** A measure of total physical exertion.
- **Acceleration & Deceleration:** Tracking rapid changes in movement.
- **Jump Metrics:** Frequency and height of jumps.
- **Change of Direction:** Quantifying agility and movement efficiency.

Overview: Data

This data contains two files, each representing a full basketball season. Both files have been standardized to the same season length. To maintain confidentiality, all data has been jittered and anonymized. Some athletes appear in only one season; others are in both seasons.

The dataset follows a long format, meaning that multiple entries exist per date for each athlete. Each row corresponds to a distinct practice period (e.g., drill) or game period (e.g., first half, second half).

Data Structure

Each row includes:

- Athlete identifier (anonymized)
- Date of session
- Period number
- Period type (practice/game segment)
- Catapult variables

Session Totals

For a given date, full session (e.g., practice) totals can be found in the Period 1 row under variables that start with `Session.`

Depending on your question, you will need to disentangle this data.

Variable Descriptions

Basic variable descriptions can be found here: variable descriptions.docx

Data Handling Guidelines

- Do not modify the original CSV files.
- All work should be documented through code to ensure data integrity.

Other Resources