

Right now, in the data, the "strength" field only exists for goals, not shots. Even for goals, it doesn't say exactly how many players were on ice for each team (like 5v4 or 5v3).

Here's my idea for fixing this:

1. Track what happens in the game

- Don't only look at shots and goals. Also track penalties and goalie pulls.
- This way we know exactly who is on the ice at any moment.

2. Count players on the ice

- Start with 6 players per team (5 skaters + 1 goalie).
- Subtract players when there is a penalty.
- Add a player if the goalie is pulled for an extra attacker.

3. Record the strength situation

- Compare home team players vs away team players.
- Example situations: 5v5, 5v4, 4v5, 6v5, 5v3, etc.
- Save this as something like "5v4" so we can use it for every event.

4. Add this info to every event

- Not just for goals, but also for shots.
- This will make the data much more complete.

Extra features we could add:

1. Rebound shots

- Shots that happen right after another shot.
- Rule: same team, less than 3 seconds later, and within about 20 feet.

2. Rush shots

- Shots taken right after entering the offensive zone.
- Rule: within 5 seconds of zone entry and no stoppages in between.

3. High-danger shots

- Shots from dangerous scoring areas (e.g., in front of the net).
- Could also include deflections, tips, or cross-crease passes.