VolleyMetrics: Visions For the Future of Volleyball

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Agenda

- What is VolleyMetrics
- VolleyMetrics’ mission, achievements, and struggles
- Plans for what the future holds for volleyball analytics
Improve sports by allowing coaches to spend their time doing what they do best - coaching. And providing them with cutting edge technology and performance analysis.

VolleyMetrics Mission

Agenda
• VolleyMetrics’ mission, achievements, and struggles
• What is VolleyMetrics
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Questions and Answers

Thank you
Importance Studies

- **Method**: Logistic Regression based on the outcome of each rally
- **Outcome**: Estimate of how your odds of winning the rally change based off whether that fundamental or skill was present
- **Importance**: Measure of how unlikely the above outcome is possible due to sheer randomness
- **Due to limitations, we worked on ratings**
VolleyMetrics Ratings

- **Reasoning:**
  The importance of a fundamental is found in improving the chance that your teammate performs the next fundamental to the best of their abilities. (Pass, Set, Attack)

- ‘Scoring’ fundamentals: attack and serve

- ‘Counter-scoring’ fundamentals: block, dig, pass
  - The best attacking team may not always be the best team.
VolleyMetrics Attack Rating Example
Fundamentals Importance

Women’s Volleyball

- Serve
- Dig
- Block
- Pass
- Free

Men’s Volleyball

- Serve
- Dig
- Block
- Pass
- Free

Win Probability
- Below 50%
- Above 50%
Questions and Answers

Thank you