

Example Analytic Report

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Goals:

- Investigate Serve, Defense, and Transition phases of the game from 7 of the first 9 matches
 - Analyze the relationship between serving and defense
 - Understand in what areas transition offense can improve
 - Investigate how attacking numbers relate to dig location
 - Two setters and Libero setting
 - Investigate optimal starting rotation

Process:

Part 1: VolleyMetrics Stat Spreadsheet

- Compile serve results in relation to expected point scoring

Part 2-3: VolleyMetrics Visual Analytics

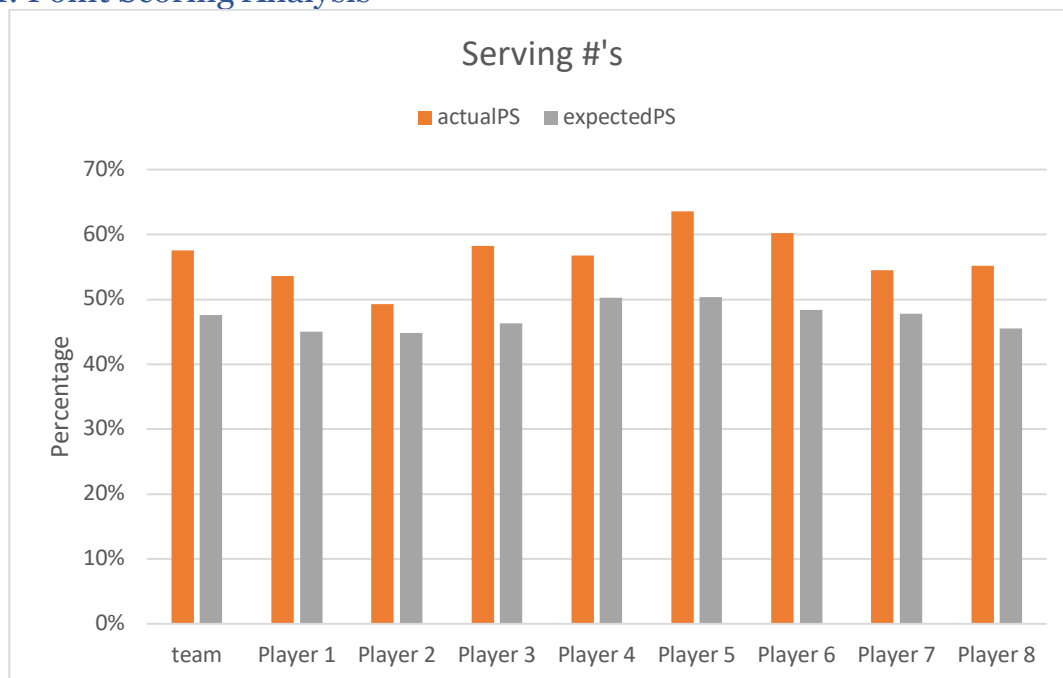
- Track attack efficiency based on dig location

Part 4: VolleyMetrics Stat Spreadsheet

- Compile side out and point scoring percentages by rotation

Results:

Part 1: Point Scoring Analysis



- Expected PS% is what we expect the opponent to side out at, based on the quality of the pass (measures serving toughness). Think of it like a 100 point serve rating.

- This team has almost a 10% higher PS% than what their serving affords for each player.
- That means defense and transition play is a relative strength that is outperforming the quality of serving.
- This suggests in order to improve the level of point scoring, serving would need to improve to increase the PS%.

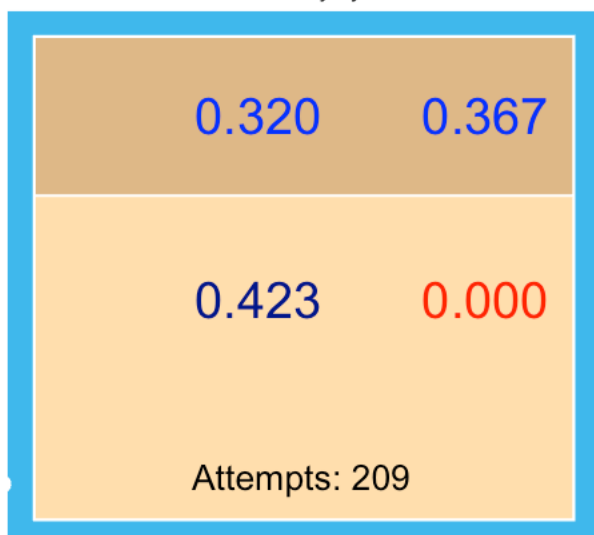
Part 2: Transition Attack Efficiency by Setter Location

Team Attack Efficiency by Zone

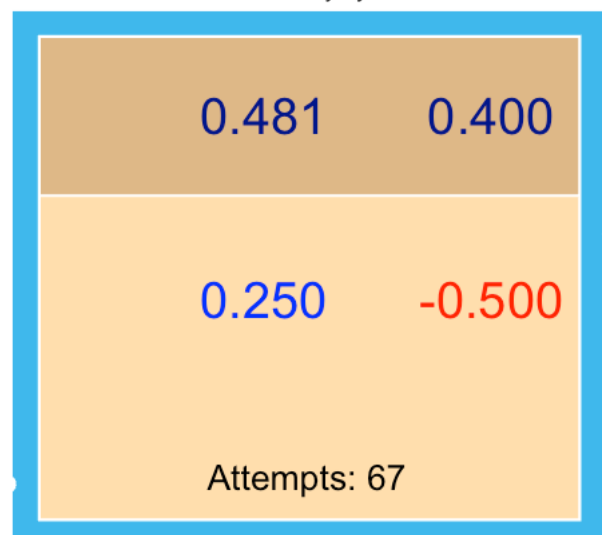


Relative weakness attacking when the setter is in zone 1

Team Attack Efficiency by Zone: Setter 1



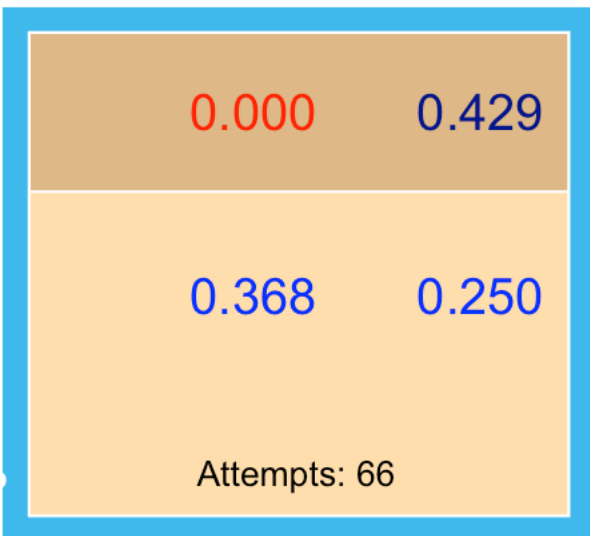
Team Attack Efficiency by Zone: Setter 2



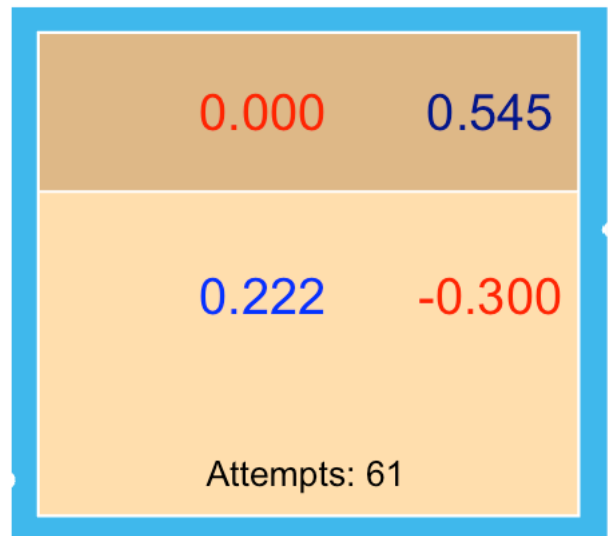
Setter 1 stronger off the net in transition

Setter 2 leading a higher efficiency when in system in transition

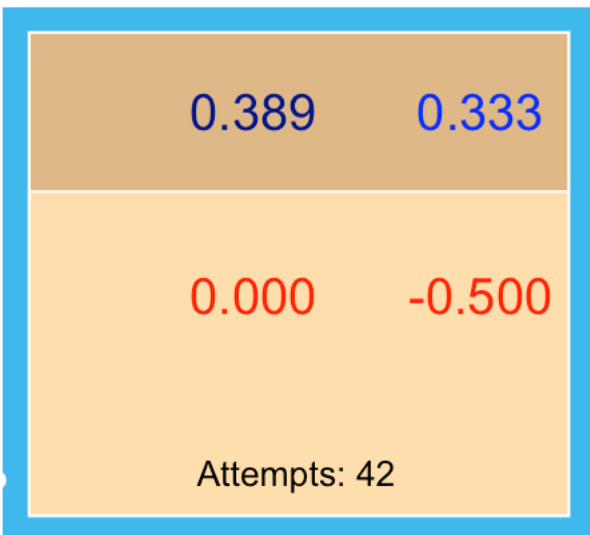
Attack Efficiency by Zone of Set: OH1



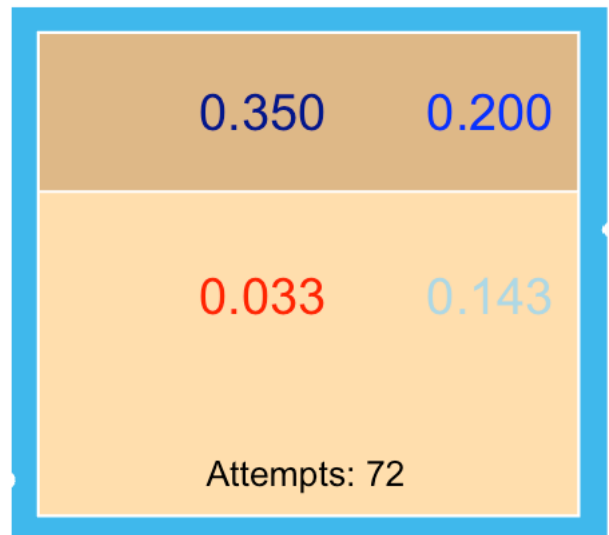
Attack Efficiency by Zone of Set: OH2



Attack Efficiency by Zone of Set: OH3



Attack Efficiency by Zone of Set: Opp

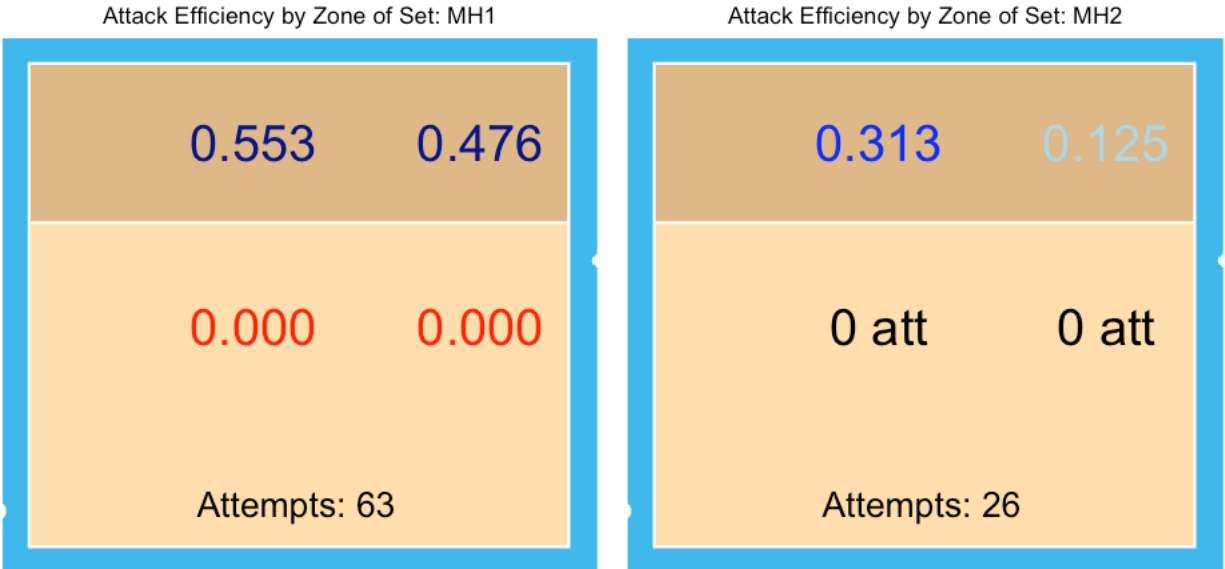


OH1 and OH2 struggling in system in transition (check tempo?)

OH3 struggling when off the net

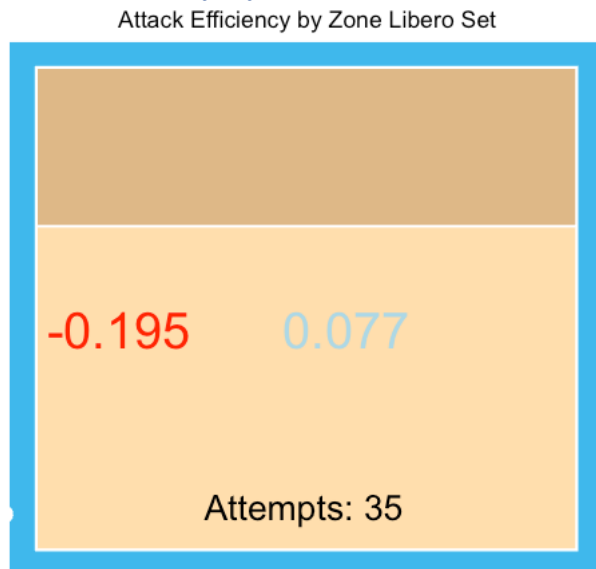
All OH's effective on long distance sets from zone 2 (check video? Isolation tactic?)

Opposite losing effectiveness when off the net in transition



MH1 very effective in transition: Can we get her more sets on digs off the net?
MH2 more effective on digs in the middle, less effective when pushed to zone 2.

Part 3: Transition Attack Efficiency by Libero Location



Substantial difference in attack efficiency on digs in front of the libero versus behind in zone 5.

Part 4: Rotation Analysis

Serve Rotation	PS%	SO%	Total
1	51	55	106
2	53	48	101
3	55	71	126
4	58	71	129
5	52	64	116
6	49	63	112

Receive Rotation	PS%	SO%	Total
1	53	55	108
2	55	48	103
3	58	71	129
4	52	71	123
5	49	64	113
6	51	63	114

- This shows the PS% and SO% by rotation. The left table shows if you start with serve (then your first receive rotation would be the same), and the left shows if you start with receive (where your first serve rotation would be the next one after you've rotated).
- From this, rotations 1 and 2 are a relative weakness for this team.
- Starting in rotation 3 allows your best serve and receive rotations to be frequented most, increase the overall SO% and PS%.

Conclusions:

- Part 1:
 - Transition and defense are relative strengths. Improving PS% requires improvement in serving effectiveness
- Part 2:
 - Team attack efficiency is high in zones 2 and 3, but low off the net in zones 1 and 6
 - Setters generally have different relative strengths in offensive efficiencies
 - OH's very effective on long distance sets, but underperforming on perfect digs
 - Generally struggling on digs to zone 1
- Part 3:
 - Setter-out attack efficiency is high from zones 1 and 6, but lower in zone 5.
- Part 4:
 - Rotations 3 and 4 are strongest in SO and PS, while 1 and 2 are relative weaknesses

Actionables:

- Training Focus: Emphasize digging closer to the net (careful with this)
 - Why? Transition offense is effective in front of the attack line, not necessarily in the middle of the court.
- Training Focus: Transition out of system offense with both setters and libero
 - Why? Transition efficiency is much less effective behind the attack line

- Video suggests the setting is adequate and the attackers need to wait for the set, keep it in front and improve decision making.
- Training Focus: Rewarding middles on perfect digs
 - Why? They have been extremely effective.
- Training Focus: Tutoring transition tempo between OHs and setters
 - Why? Low attack efficiencies on digs to zone 3
- Training Focus: Setters dig in front of them, to the middle
 - Why? Pushing digs to zone 5 has dropped out of system attack efficiency
- Training Focus: Out of system attacking for opposite
 - Why? Low attacking efficiencies from libero and setter behind the attack line
 - Quick video review suggests she is expecting a faster tempo than is being set (but location is good)
- Game Focus: Start games in Serve and Receive 3

Suggested Next Steps:

- Identify why OHs have been so effective on sets from zone 2, but struggled on sets from zone 3
- Analyze serving deficiency to identify opportunities to improve
- Investigate SO game in more depth