| Pitch Usages   |   |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|
| LHH  | RHH   |  |  |  |  |  |  |  |  |
| <ul> <li>A lot of 4–Seam action, decreased usage with Slider and increased usage with curveball</li> <li>Hunting 4–Seams could be a good strategy, lowest whiff rates against 4S</li> <li>Slider is the danger pitch, 30% chase, 30% Whiff and over 50% Chase–Whiff</li> <li>+ In Zone 54% of the time, only swing at 65% (In–Zone)</li> </ul> | <ul> <li>Heavy 4–Seam/Slider usage, will occasionally go to the Changeup</li> <li>Pitches tend to be in the zone more often than note and will cross the heart of the plate around 30% of the time</li> <li>Chase rate on the Curveball is the highest, does not throw it too often + Chase–Whiff rate on the curveball is the highest at 54%</li> <li>4–Seam definetly the pitch the hit with low whiff rates all around</li> <li>Slider is the danger pitch, posting around 30% Whiff rate, with 46% chase whiff</li> </ul> |  |  |  |  |  |  |  |  |

| Result Percentages   |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| LHH  | RHH  |  |  |  |  |  |  |  |
| <ul> <li>Sliders are not put into play as often compared to rest</li> <li>+ Only 6% of pitches chased are put into play n + 0% Hard–Hit on chased sliders</li> <li>- 4–Seam pitch to hit high hard–hits all around</li> <li>- Changeups are dangerous because 34% chased CH are put into play, but 0% of chased changeups are hard–hit.</li> </ul> | <ul> <li>4-Seam has a 52% Hard-Hit rate, only goes up for In-Zone &amp; Heart</li> <li>Curveball &amp; Changeup 0% Chase hard-hit (weaker contact on those put into play)</li> <li>Slider proven to be tough to hit regardless where it is put rate</li> </ul> |  |  |  |  |  |  |  |

|   | Results   |
|---|---|
| LHH   | RHH   |
| <ul> <li>4-Seam is the pitch to hit</li> <li>+ In-Zone wOBA on 4S is .475</li> <li>- LHH has more success on O-Zone 4S than RHH with a wOBA .292</li> <li>- Wait for the pitch to come over the middle of zone will happen</li> </ul> | <ul> <li>In all categories, 4–Seam is the pitch to hit</li> <li>+ Need to take advantage especially of In–Zone 4S</li> <li>- Sliders outside the zone have barely allowed for optimal results</li> <li>- Breaking balls (CB &amp; SL) have low chase BABIP</li> <li>+ Expected wOBA on chased SL is .133</li> <li>- Take advantage of the breaking balls that end up over the heart of the plate</li> <li>+ Curveballs over the heart have a .544 xwOBA</li> <li>+ CBs end up over the heart a quarter of the time they are thrown</li> <li>- Changeups only thrown to RHH 10% have next highest xwOBA against</li> </ul> |

| Sequencing (1)  |   |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| LHH   | RHH   |  |  |  |  |  |  |  |  |
| <ul> <li>Mixes between 4S and SL to start the PA</li> <li>Switches up with Slider, Changeup, &amp; Curveball as put away pitch</li> <li>When batter ahead odds at seeing a Curveball are low can elimiate that pitch</li> <li>Throws the 4–Seam in any count bound to see multiple in a PA</li> </ul> | <ul> <li>Mixes between 4S and SL to start the PA</li> <li>+ No strong pattern on if it will be in-zone vs out</li> <li>Slider is the put away pitch 2-Strikes expect O-Zone SL</li> <li>Will see more Changeups later in the count</li> </ul> |  |  |  |  |  |  |  |  |

| Sequencing (2)  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| LHH   | RHH  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |
| Will not see many heart pitches early in the count                              | - Gets a lot of takes early in the count   |  |  |  |  |  |  |  |
| As PA goes on, higher chance at seeing a heart CH                               | - As PA goes on, higher chance of seeing a heart SL                                    |  |  |  |  |  |  |  |
| + Changeups more common later in the count                                      | + Heart xwOBA on SL is .340 so if cannot find 4S look SL                               |  |  |  |  |  |  |  |
| A lot of takes early in the count letting him get ahead reduces chances of a 4S | - Zone swing rates on SL when batter ahead early is low, Bibee will not expect a swing |  |  |  |  |  |  |  |

| Seque  | encing (3)  |
|--|---|
| LHH  | RHH   |
| <ul> <li>Low chases early in the count, but Slider still gets whiffs</li> <li>Deeper into the count whiff rate skyrockets</li> <li>Most Curveballs that are put into play are from early in count CBs</li> </ul> | <ul> <li>Low chase rates on 0–1, 0–2, &amp; 1–2 Sliders</li> <li>+ SL early in counts can be picked up early and taken</li> <li>Early Curveballs (while rare) tend to create most chases</li> <li>Early Sliders tend to be thrown outside and have the highest whiff rates</li> <li>1–2 Sliders easier to hit than 0–2 Sliders, in zone more often, lower whiff rate</li> <li>4–Seams allow for the best opportunities to put the ball into play</li> </ul> |

| First Pitch  |   |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|
| LHH  | RHH   |  |  |  |  |  |  |  |
| <ul> <li>4-Seam is mainly used but all pitches have good success rates</li> <li>xwOBA is dramatically higher early in the count for LHH, go indicator LHH should attack early</li> </ul> | <ul> <li>Goes to 4–Seam most of the team in all situations, but not over the heart of plate often, has the highest xwOBA and will most likely be in–zone</li> <li>Pretty consisteny across the PA hovers around 50% of pitches in–zone</li> </ul> |  |  |  |  |  |  |  |

| Location   |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| LHH  | RHH  |  |  |  |  |  |  |
| <ul> <li>Curveballs are consistent in the middle of the zone but when pitcher ahead, low when batter ahead, pitch comes up  Sliders cut in on the LHH  + When throwing a Slider for a strike will be more over the middle</li> <li>Changeups thrown in pitcher counts will be low, hitter counts changeups higher and outside</li> </ul> | <ul> <li>4-Seams are consistent up and over the middle of the plate very ideal hitting location</li> <li>Curveballs move more over the plate in hitter counts, when pitcher ahead low and out</li> <li>Slider stays over on the outside</li> </ul> |  |  |  |  |  |  |

|           | Tanner Bibee |        |           |         |           |          |         |         |           |           |           |  |
|-----------|--------------|--------|-----------|---------|-----------|----------|---------|---------|-----------|-----------|-----------|--|
| Pitch     | Usage        | Zone % | Z–Swing % | Heart % | H-Swing % | O-Zone % | Chase % | Whiff % | Z-Whiff % | H–Whiff % | O-Whiff % |  |
| 4-Seam    | 44%          | 53%    | 75%       | 28%     | 82%       | 47%      | 24%     | 18%     | 16%       | 13%       | 25%       |  |
| Changeup  | 18%          | 53%    | 68%       | 29%     | 73%       | 47%      | 26%     | 27%     | 25%       | 24%       | 32%       |  |
| Curveball | 11%          | 49%    | 69%       | 27%     | 69%       | 51%      | 34%     | 24%     | 12%       | 7%        | 48%       |  |
| Slider    | 26%          | 53%    | 74%       | 27%     | 79%       | 47%      | 27%     | 31%     | 24%       | 18%       | 51%       |  |
| ALL       | 100%         | 53%    | 73%       | 28%     | 78%       | 47%      | 26%     | 24%     | 19%       | 16%       | 36%       |  |

|           | Tanner Bibee vs LHH |        |           |         |           |          |         |         |           |           |           |  |  |
|-----------|---------------------|--------|-----------|---------|-----------|----------|---------|---------|-----------|-----------|-----------|--|--|
| Pitch     | Usage               | Zone % | Z–Swing % | Heart % | H-Swing % | O-Zone % | Chase % | Whiff % | Z–Whiff % | H–Whiff % | O-Whiff % |  |  |
| 4-Seam    | 45%                 | 50%    | 75%       | 27%     | 82%       | 50%      | 25%     | 17%     | 15%       | 10%       | 21%       |  |  |
| Changeup  | 21%                 | 52%    | 71%       | 30%     | 73%       | 48%      | 28%     | 30%     | 28%       | 30%       | 37%       |  |  |
| Curveball | 13%                 | 44%    | 66%       | 27%     | 63%       | 56%      | 33%     | 24%     | 11%       | 4%        | 45%       |  |  |
| Slider    | 21%                 | 54%    | 65%       | 29%     | 73%       | 46%      | 28%     | 32%     | 24%       | 20%       | 56%       |  |  |
| ALL       | 57%                 | 50%    | 71%       | 28%     | 76%       | 50%      | 27%     | 24%     | 19%       | 15%       | 36%       |  |  |

|           | Tanner Bibee vs RHH |        |           |         |           |          |         |         |           |           |           |  |
|-----------|---------------------|--------|-----------|---------|-----------|----------|---------|---------|-----------|-----------|-----------|--|
| Pitch     | Usage               | Zone % | Z–Swing % | Heart % | H-Swing % | O-Zone % | Chase % | Whiff % | Z–Whiff % | H–Whiff % | O-Whiff % |  |
| 4-Seam    | 43%                 | 58%    | 74%       | 29%     | 83%       | 42%      | 24%     | 20%     | 17%       | 18%       | 30%       |  |
| Changeup  | 15%                 | 54%    | 64%       | 29%     | 72%       | 46%      | 24%     | 19%     | 19%       | 14%       | 20%       |  |
| Curveball | 9%                  | 57%    | 75%       | 26%     | 82%       | 43%      | 36%     | 24%     | 14%       | 11%       | 54%       |  |
| Slider    | 33%                 | 53%    | 82%       | 26%     | 84%       | 47%      | 26%     | 29%     | 24%       | 17%       | 46%       |  |
| ALL       | 43%                 | 56%    | 75%       | 28%     | 82%       | 44%      | 26%     | 23%     | 20%       | 17%       | 37%       |  |

|           | Tanner Bibee |        |            |       |         |         |            |           |           |               |  |  |
|-----------|--------------|--------|------------|-------|---------|---------|------------|-----------|-----------|---------------|--|--|
| Pitch     | Strike %     | Ball % | O-Strike % | BIP % | Z-BIP % | O-BIP % | Hard-Hit % | Z-H-Hit % | O-H-Hit % | Heart-H-Hit % |  |  |
| 4-Seam    | 66%          | 34%    | 66%        | 32%   | 34%     | 25%     | 46%        | 51%       | 21%       | 57%           |  |  |
| Changeup  | 67%          | 33%    | 67%        | 34%   | 35%     | 30%     | 26%        | 33%       | 0%        | 37%           |  |  |
| Curveball | 67%          | 33%    | 67%        | 42%   | 52%     | 21%     | 35%        | 40%       | 11%       | 46%           |  |  |
| Slider    | 66%          | 34%    | 66%        | 26%   | 30%     | 14%     | 31%        | 34%       | 10%       | 39%           |  |  |
| ALL       | 66%          | 34%    | 66%        | 32%   | 35%     | 23%     | 37%        | 42%       | 13%       | 48%           |  |  |

|           | Tanner Bibee vs LHH |        |            |       |         |         |            |           |           |               |  |
|-----------|---------------------|--------|------------|-------|---------|---------|------------|-----------|-----------|---------------|--|
| Pitch     | Strike %            | Ball % | O-Strike % | BIP % | Z-BIP % | O-BIP % | Hard-Hit % | Z-H-Hit % | O-H-Hit % | Heart-H-Hit % |  |
| 4-Seam    | 63%                 | 37%    | 63%        | 34%   | 36%     | 29%     | 42%        | 45%       | 30%       | 51%           |  |
| Changeup  | 67%                 | 33%    | 67%        | 38%   | 39%     | 34%     | 22%        | 29%       | 0%        | 32%           |  |
| Curveball | 65%                 | 35%    | 65%        | 43%   | 59%     | 17%     | 41%        | 44%       | 20%       | 44%           |  |
| Slider    | 67%                 | 33%    | 67%        | 19%   | 24%     | 6%      | 33%        | 36%       | 0%        | 43%           |  |
| ALL       | 65%                 | 35%    | 65%        | 33%   | 36%     | 23%     | 36%        | 40%       | 18%       | 45%           |  |

|   | Tanner Bibee vs RHH |          |        |            |       |         |         |            |           |           |               |
|---|---------------------|----------|--------|------------|-------|---------|---------|------------|-----------|-----------|---------------|
|   | Pitch               | Strike % | Ball % | O-Strike % | BIP % | Z-BIP % | O-BIP % | Hard-Hit % | Z-H-Hit % | O-H-Hit % | Heart-H-Hit % |
| , | 4-Seam              | 69%      | 31%    | 69%        | 29%   | 31%     | 20%     | 52%        | 59%       | 0%        | 65%           |
| C | Changeup            | 67%      | 33%    | 67%        | 25%   | 27%     | 20%     | 38%        | 46%       | 0%        | 50%           |
|   | Curveball           | 71%      | 29%    | 71%        | 41%   | 44%     | 31%     | 25%        | 31%       | 0%        | 50%           |
|   | Slider              | 66%      | 34%    | 66%        | 31%   | 34%     | 21%     | 30%        | 33%       | 12%       | 38%           |
|   | ALL                 | 68%      | 32%    | 68%        | 30%   | 33%     | 21%     | 39%        | 45%       | 4%        | 53%           |

| Tanner Bibee |      |       |      |       |      |        |         |       |         |       |
|--------------|------|-------|------|-------|------|--------|---------|-------|---------|-------|
| Pitch        | wOBA | xwOBA | xBA  | BABIP | ISO  | Z-woba | Z-xwOBA | Z-xBA | Z-BABIP | Z-ISO |
| 4-Seam       | .377 | .348  | .357 | .223  | .200 | .416   | .380    | .382  | .275    | .242  |
| Changeup     | .286 | .277  | .337 | .186  | .133 | .260   | .264    | .345  | .192    | .179  |
| Curveball    | .263 | .273  | .292 | .127  | .190 | .265   | .316    | .325  | .127    | .236  |
| Slider       | .230 | .250  | .287 | .122  | .092 | .225   | .265    | .306  | .165    | .132  |

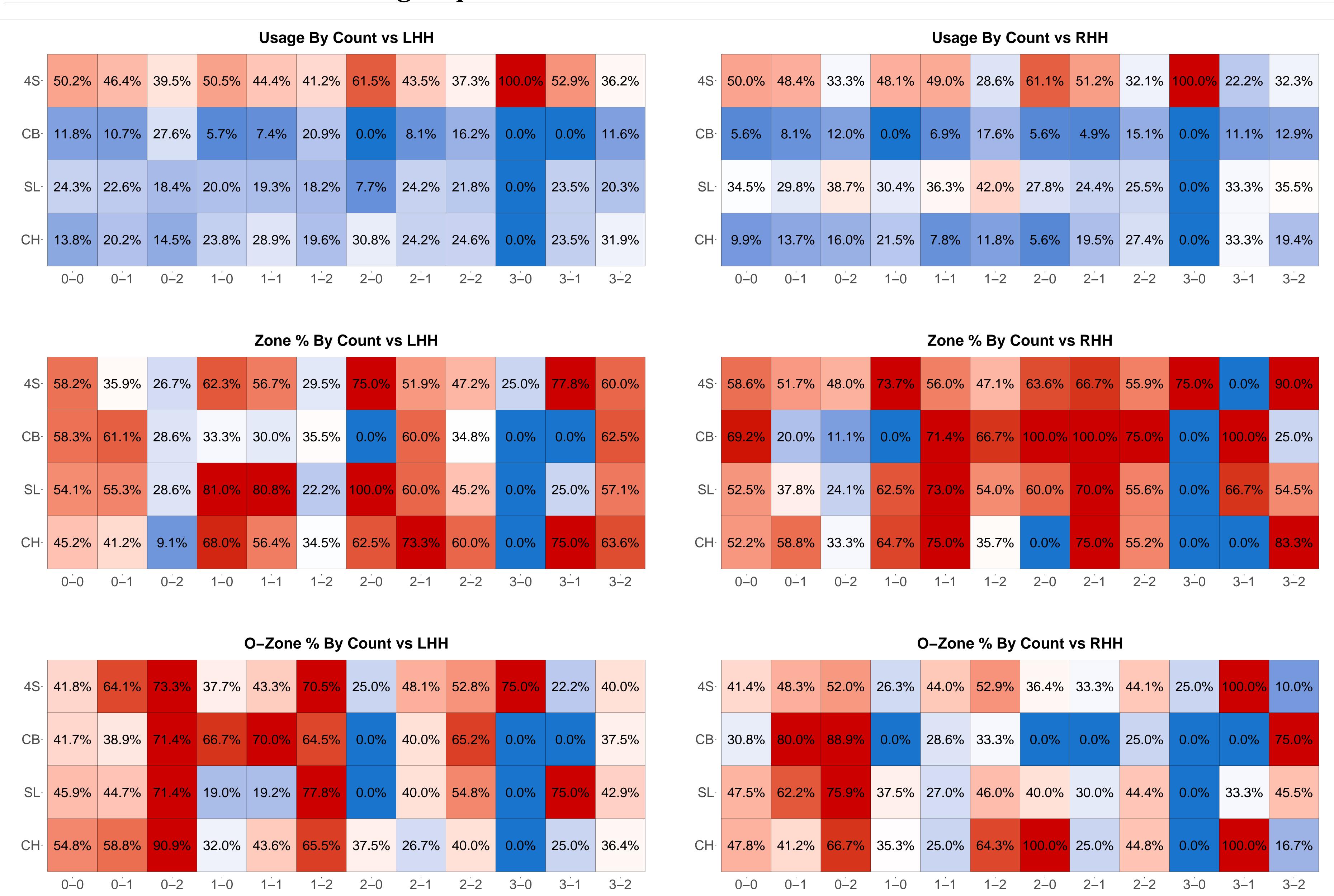
|   | Tanner Bibee vs LHH |      |      |      |      |      |      |      |         |       |
|---|---------------------|------|------|------|------|------|------|------|---------|-------|
| Pitch woba xwoba xba babip iso z-woba z-xwoba z-xba z-bab |                     |      |      |      |      |      |      |      | Z-BABIP | Z-ISO |
| 4-Seam  | .416                | .357 | .362 | .260 | .221 | .475 | .402 | .397 | .337    | .258  |
| Changeup  | .314                | .276 | .335 | .231 | .141 | .277 | .258 | .334 | .218    | .182  |
| Curveball   | .303                | .278 | .321 | .167 | .229 | .307 | .345 | .352 | .147    | .265  |
| Slider  | .198                | .264 | .286 | .061 | .041 | .113 | .243 | .308 | .100    | .067  |

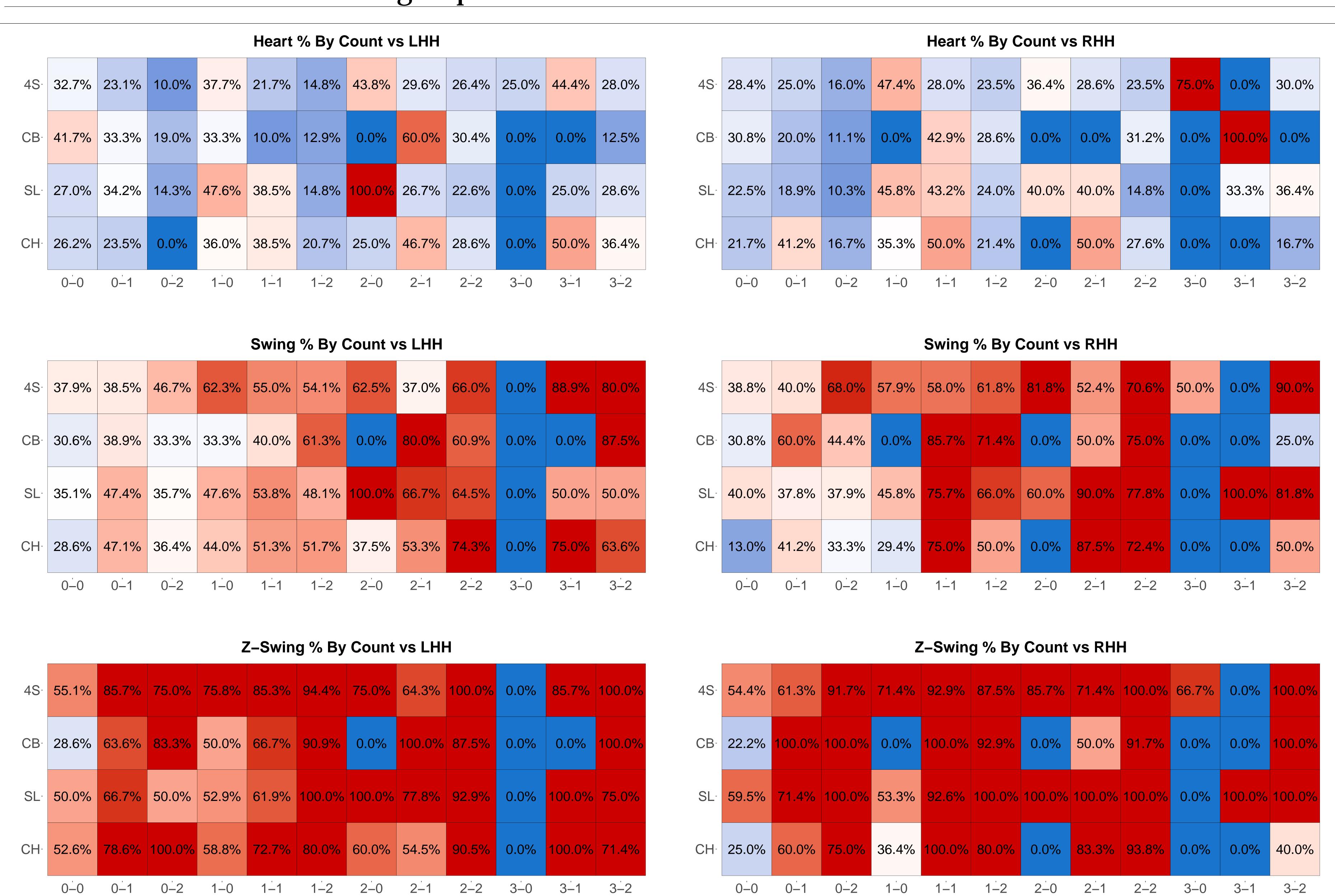
|           | Tanner Bibee vs RHH |       |      |       |      |        |         |       |         |       |
|-----------|---------------------|-------|------|-------|------|--------|---------|-------|---------|-------|
| Pitch     | wOBA                | xwOBA | xBA  | BABIP | ISO  | Z-wOBA | Z-xwOBA | Z-xBA | Z-BABIP | Z-ISO |
| 4-Seam    | .317                | .333  | .350 | .167  | .167 | .333   | .350    | .360  | .188    | .219  |
| Changeup  | .224                | .280  | .345 | .086  | .114 | .220   | .278    | .378  | .130    | .174  |
| Curveball | .202                | .265  | .246 | .065  | .129 | .198   | .268    | .279  | .095    | .190  |
| Slider    | .249                | .241  | .287 | .159  | .122 | .280   | .275    | .306  | .197    | .164  |

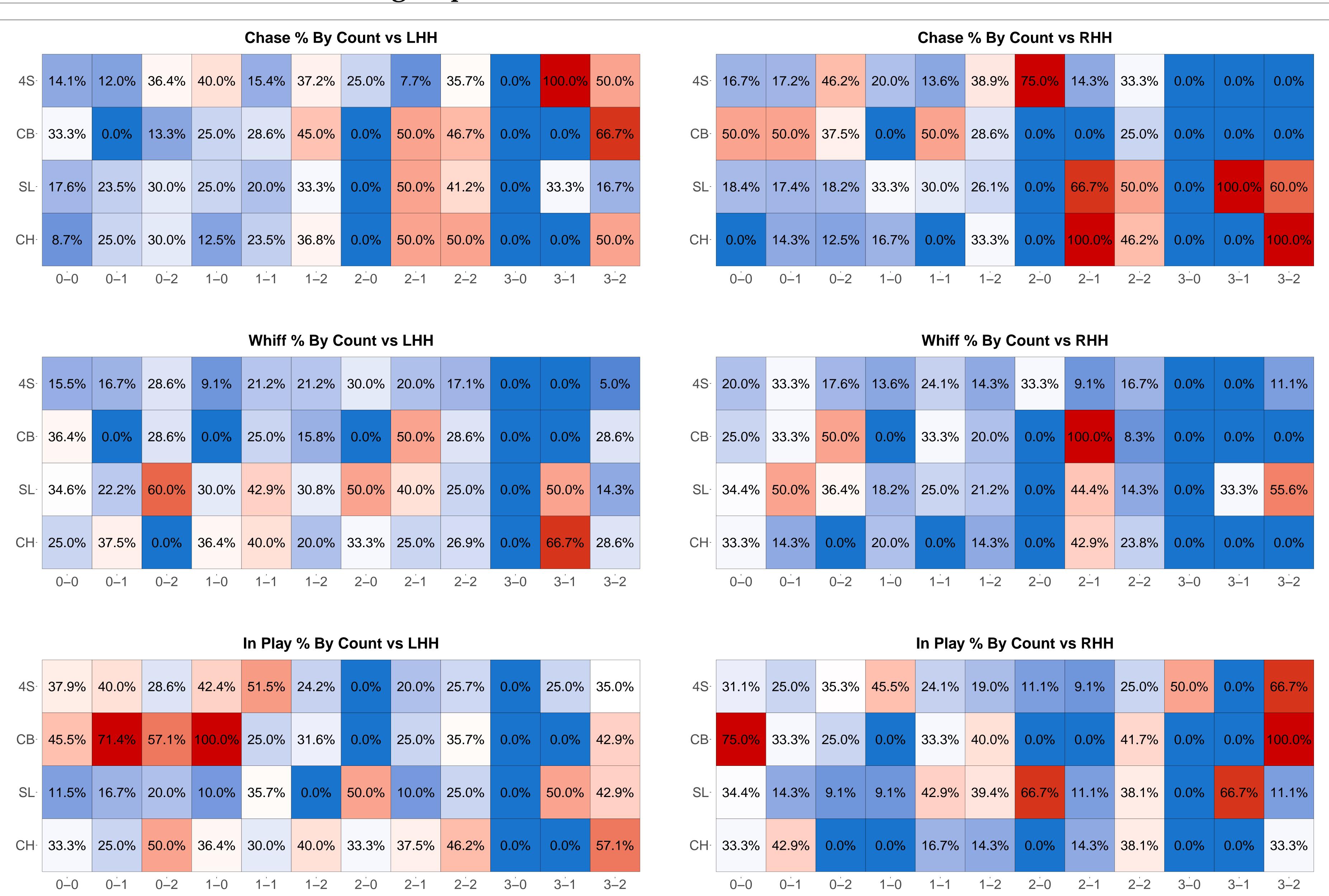
|           | Tanner Bibee |         |       |         |       |        |         |       |         |       |  |
|-----------|--------------|---------|-------|---------|-------|--------|---------|-------|---------|-------|--|
| Pitch     | O-wOBA       | O-xwOBA | O-xBA | O-BABIP | O-ISO | H-wOBA | H-xwOBA | H-xBA | H-BABIP | H-ISO |  |
| 4-Seam    | .283         | .268    | .242  | .097    | .097  | .509   | .432    | .410  | .330    | .341  |  |
| Changeup  | .344         | .307    | .310  | .171    | .029  | .328   | .301    | .369  | .250    | .225  |  |
| Curveball | .258         | .175    | .135  | .125    | .083  | .355   | .386    | .349  | .133    | .400  |  |
| Slider    | .242         | .215    | .155  | .025    | .000  | .256   | .290    | .290  | .178    | .156  |  |

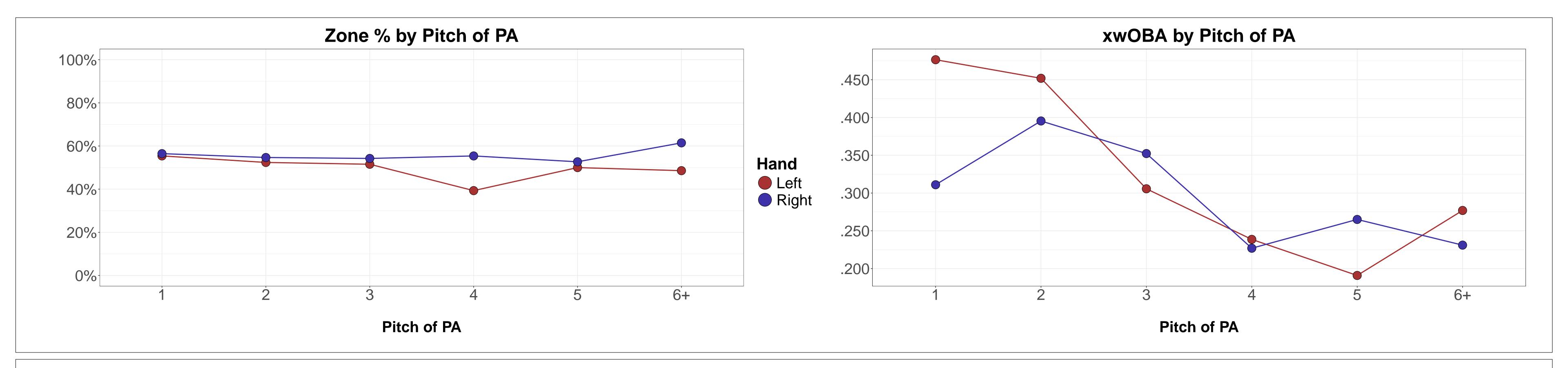
|           | Tanner Bibee vs LHH |         |       |         |       |        |         |       |         |       |  |
|-----------|---------------------|---------|-------|---------|-------|--------|---------|-------|---------|-------|--|
| Pitch     | O-wOBA              | O-xwOBA | O-xBA | O-BABIP | O-ISO | H-wOBA | H-xwOBA | H-xBA | H-BABIP | H-ISO |  |
| 4-Seam    | .292                | .263    | .227  | .095    | .143  | .540   | .464    | .432  | .396    | .321  |  |
| Changeup  | .402                | .318    | .337  | .261    | .043  | .268   | .284    | .379  | .233    | .167  |  |
| Curveball | .293                | .114    | .151  | .214    | .143  | .352   | .318    | .291  | .143    | .381  |  |
| Slider    | .332                | .298    | .043  | .000    | .000  | .126   | .208    | .245  | .118    | .059  |  |

|           | Tanner Bibee vs RHH |         |       |         |       |        |         |       |         |       |
|-----------|---------------------|---------|-------|---------|-------|--------|---------|-------|---------|-------|
| Pitch     | O-wOBA              | O-xwOBA | O-xBA | O-BABIP | O-ISO | H-wOBA | H-xwOBA | H-xBA | H-BABIP | H-ISO |
| 4-Seam    | .265                | .280    | .282  | .100    | .000  | .466   | .389    | .379  | .237    | .368  |
| Changeup  | .233                | .284    | .204  | .000    | .000  | .505   | .353    | .347  | .300    | .400  |
| Curveball | .210                | .259    | .116  | .000    | .000  | .361   | .544    | .479  | .111    | .444  |
| Slider    | .162                | .133    | .183  | .048    | .000  | .334   | .340    | .316  | .214    | .214  |





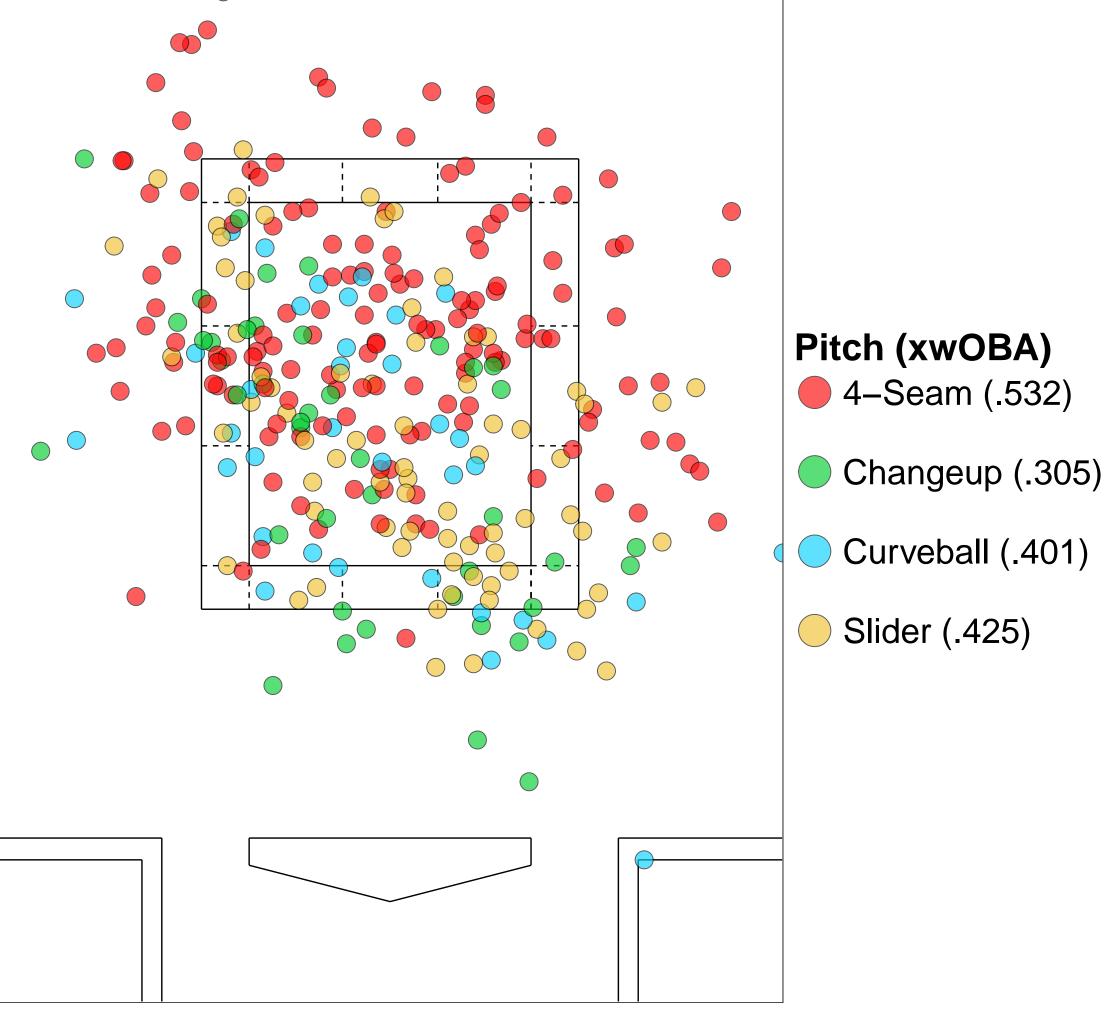




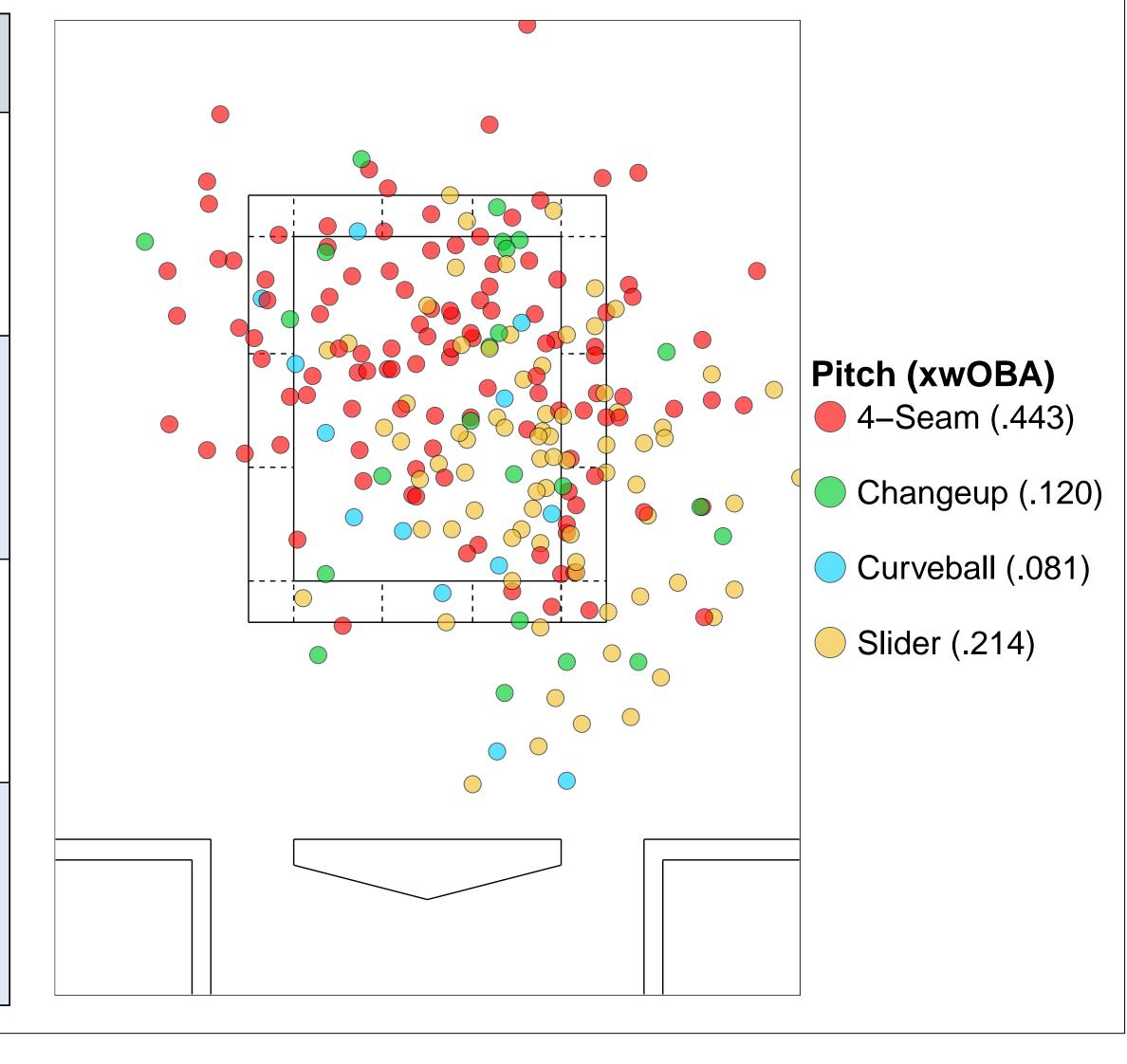
| First Pitch Usage vs LHH |           |         |           |         |         |  |  |  |  |
|--------------------------|-----------|---------|-----------|---------|---------|--|--|--|--|
| Most                     | After     | After   | After     | After   | Men in  |  |  |  |  |
| Frequent                 | Strikeout | Walk    | Field Out | Hit     | Scoring |  |  |  |  |
| 4-Seam                   | 4-Seam    | 4-Seam  | 4-Seam    | 4-Seam  | 4-Seam  |  |  |  |  |
| (50.2%)                  | (45.1%)   | (50.0%) | (45.3%)   | (54.0%) | (47.5%) |  |  |  |  |

|          | First Pitch Usage vs RHH |         |           |         |         |  |  |  |  |  |
|----------|--------------------------|---------|-----------|---------|---------|--|--|--|--|--|
| Most     | After                    | After   | After     | After   | Men in  |  |  |  |  |  |
| Frequent | Strikeout                | Walk    | Field Out | Hit     | Scoring |  |  |  |  |  |
| 4-Seam   | Slider                   | 4-Seam  | 4-Seam    | 4-Seam  | Slider  |  |  |  |  |  |
| (50.0%)  | (42.1%)                  | (63.6%) | (55.9%)   | (42.6%) | (48.8%) |  |  |  |  |  |

| Pitch | Zone | Heart | Swing | BIP |
|-------|------|-------|-------|-----|
| 4S    | 58%  | 33%   | 38%   | 38% |
| SL    | 54%  | 27%   | 35%   | 12% |
| СН    | 45%  | 26%   | 29%   | 33% |
| CU    | 58%  | 42%   | 31%   | 45% |



| Heart | Swing | BIP                     |
|-------|-------|-------------------------|
| 28%   | 39%   | 31%                     |
| 22%   | 40%   | 34%                     |
| 22%   | 13%   | 33%                     |
| 31%   | 31%   | 75%                     |
|       | 28%   | 28% 39% 22% 40% 22% 13% |



| Top 5 Two Pitch Sequences vs LHH |       |         |         |         |       |  |  |  |
|----------------------------------|-------|---------|---------|---------|-------|--|--|--|
| Sequence                         | Usage | Swing % | Whiff % | Chase % | BIP % |  |  |  |
| 4S-4S                            | 21.0% | 51.0%   | 17.5%   | 19.1%   | 29.4% |  |  |  |
| 4S-SL                            | 10.4% | 50.8%   | 29.0%   | 32.8%   | 21.0% |  |  |  |
| CH-4S                            | 9.7%  | 48.2%   | 12.7%   | 21.1%   | 34.5% |  |  |  |
| SL-4S                            | 9.7%  | 55.3%   | 19.0%   | 37.3%   | 41.3% |  |  |  |
| 4S-CH                            | 7.6%  | 53.9%   | 22.9%   | 41.0%   | 39.6% |  |  |  |

| Top 5 Two Pitch Sequences vs RHH |       |         |         |         |       |  |  |
|----------------------------------|-------|---------|---------|---------|-------|--|--|
| Sequence                         | Usage | Swing % | Whiff % | Chase % | BIP % |  |  |
| 4S-4S                            | 19.5% | 51.2%   | 20.5%   | 21.9%   | 26.1% |  |  |
| 4S-SL                            | 14.1% | 51.6%   | 29.7%   | 19.0%   | 26.6% |  |  |
| SL-4S                            | 12.3% | 50.0%   | 20.4%   | 22.4%   | 25.9% |  |  |
| SL-SL                            | 11.5% | 62.4%   | 36.5%   | 40.4%   | 27.0% |  |  |
| 4S-CH                            | 6.7%  | 40.7%   | 29.2%   | 20.0%   | 20.8% |  |  |

| Situational Results vs LHH |           |       |        |         |         |         |       |      |
|----------------------------|-----------|-------|--------|---------|---------|---------|-------|------|
| Pitch                      | Situation | Usage | Zone % | Heart % | Chase % | Whiff % | BIP % | wOBA |
|                            | Ahead     | 43%   | 32%    | 18%     | 26%     | 21%     | 31%   | .222 |
| 4-Seam                     | Even      | 46%   | 56%    | 29%     | 19%     | 17%     | 38%   | .499 |
|                            | Behind    | 47%   | 61%    | 35%     | 33%     | 11%     | 31%   | .490 |
|                            | Ahead     | 18%   | 40%    | 20%     | 26%     | 15%     | 45%   | .286 |
| Curveball                  | Even      | 12%   | 46%    | 33%     | 38%     | 31%     | 38%   | .371 |
|                            | Behind    | 7%    | 53%    | 32%     | 44%     | 31%     | 46%   | .217 |
|                            | Ahead     | 20%   | 39%    | 24%     | 29%     | 31%     | 11%   | .054 |
| Slider                     | Even      | 23%   | 57%    | 28%     | 25%     | 33%     | 22%   | .216 |
|                            | Behind    | 20%   | 66%    | 38%     | 32%     | 32%     | 23%   | .288 |
|                            | Ahead     | 19%   | 34%    | 19%     | 31%     | 26%     | 34%   | .285 |
| Changeup                   | Even      | 20%   | 53%    | 31%     | 24%     | 31%     | 38%   | .269 |
|                            | Behind    | 26%   | 68%    | 38%     | 29%     | 33%     | 41%   | .381 |
|                            | Ahead     | 31%   | 35%    | 20%     | 28%     | 23%     | 30%   | .226 |
| Total                      | Even      | 46%   | 54%    | 30%     | 24%     | 25%     | 34%   | .380 |
|                            | Behind    | 23%   | 63%    | 36%     | 33%     | 22%     | 33%   | .391 |

| Situational Results vs RHH |           |       |        |         |         |         |       |      |  |  |
|----------------------------|-----------|-------|--------|---------|---------|---------|-------|------|--|--|
| Pitch                      | Situation | Usage | Zone % | Heart % | Chase % | Whiff % | BIP % | wOBA |  |  |
| 4-Seam                     | Ahead     | 37%   | 50%    | 23%     | 30%     | 23%     | 26%   | .292 |  |  |
|                            | Even      | 45%   | 57%    | 28%     | 19%     | 20%     | 28%   | .307 |  |  |
|                            | Behind    | 47%   | 71%    | 40%     | 24%     | 15%     | 36%   | .356 |  |  |
| Curveball                  | Ahead     | 13%   | 42%    | 22%     | 39%     | 28%     | 36%   | .083 |  |  |
|                            | Even      | 8%    | 72%    | 33%     | 40%     | 18%     | 45%   | .242 |  |  |
|                            | Behind    | 4%    | 62%    | 12%     | 0%      | 50%     | 50%   | .525 |  |  |
| Slider                     | Ahead     | 36%   | 41%    | 19%     | 21%     | 31%     | 28%   | .173 |  |  |
|                            | Even      | 33%   | 58%    | 26%     | 27%     | 26%     | 38%   | .294 |  |  |
|                            | Behind    | 29%   | 62%    | 42%     | 45%     | 34%     | 20%   | .307 |  |  |
| Changeup                   | Ahead     | 14%   | 44%    | 28%     | 21%     | 11%     | 22%   | .322 |  |  |
|                            | Even      | 14%   | 57%    | 28%     | 23%     | 20%     | 33%   | .126 |  |  |
|                            | Behind    | 19%   | 63%    | 31%     | 31%     | 27%     | 13%   | .311 |  |  |
| Total                      | Ahead     | 34%   | 45%    | 22%     | 26%     | 25%     | 28%   | .211 |  |  |
|                            | Even      | 47%   | 59%    | 28%     | 23%     | 22%     | 34%   | .264 |  |  |
|                            | Behind    | 19%   | 66%    | 37%     | 31%     | 24%     | 28%   | .348 |  |  |

