

# BBCOR Bats and Small Ball Strategies: Umpiring Sacrifice Bunts, Stolen Bases, and Baserunning Infractions

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# BBCOR Bats

- # NFHS issued mandatory restrictions on aluminum bat construction
- # Effective in 2012
- # Previous bats were too “dangerous”
- # Teams were modifying the structure to improve performance

# Questions

- # Will NCAA team strategy and performance be influenced by aluminum bat regulations?
  - Will teams hit fewer homeruns as a result of bat regulations?
  - If so, will teams decide to employ more sacrifice bunts and/or stolen bases to compensate for the decline in bat performance?

# Data

**Custom Reporting**  
Generate your own reports to determine where your team and players rank in the statistics.

Select Division      Select Reporting Week  
Division I            06/25/2012

Select Category      Select Type of Statistic to View      Select Report Format  
Team                  All Statistics                            CSV - Spreadsheet

[VIEW REPORT on NCAA.org](#)



Head >

	bat	yr	gms	o.ab	o.h	o.ba	o.r	o.rpg	o.2b	o.2b.pg	o.3b	o.3b.pg	o.hr	o.hr.pg	o.tb	o.slg	o.sb	o.cs
1	2011	58	1948	656	0.34	541	8.9	146	2.70	36	0.73	86	1.51	1109	0.52	159	34	
1	2011	55	1923	622	0.32	495	8.5	130	2.45	29	0.64	80	1.36	965	0.50	155	47	
1	2011	60	2083	666	0.32	509	8.2	149	2.40	27	0.64	81	1.33	1036	0.49	134	35	
1	2011	61	2145	685	0.32	382	8.0	132	2.40	28	0.51	80	1.31	1028	0.49	117	30	
1	2011	53	1992	635	0.32	455	7.7	136	2.39	27	0.48	60	1.09	933	0.49	93	23	
1	2011	63	2158	687	0.32	453	7.4	152	2.34	24	0.48	64	1.05	1034	0.48	116	40	

Tail >

	bat	yr	gms	o.ab	o.h	o.ba	o.r	o.rpg	o.2b	o.2b.pg	o.3b	o.3b.pg	o.hr	o.hr.pg	o.tb	o.slg	o.sb	o.cs
0	2009	54	1860	553	0.30	394	6.7	112	1.93	12	0.23	41	0.87	657	0.45	58	40	
0	2008	56	2011	607	0.30	344	6.9	123	1.98	15	0.27	46	0.88	823	0.45	64	20	
0	2009	60	2111	682	0.32	407	8.0	134	2.31	17	0.34	60	1.30	1081	0.51	100	24	
0	2009	53	1855	505	0.27	309	5.3	73	1.52	7	0.13	25	0.48	717	0.38	27	21	
0	2010	54	1918	585	0.31	436	7.0	112	2.04	15	0.25	49	0.91	1077	0.46	65	25	
0	2009	62	2125	675	0.32	393	7.7	116	2.19	17	0.31	71	1.16	928	0.49	81	26	





**ESPN**  
**SPORTSCIENCE**

The logo features the "ESPN" wordmark in its signature blue and white font, positioned above the words "SPORTSCIENCE". The entire text is contained within a dark, metallic, three-dimensional frame that has a hexagonal pattern on its front face. The frame is set against a dark, textured background.

01:00:00;00

# NCAA Sacrifice Bunts

# NCAA

- 2010: 9,691
- 2011: 12,446

# 23% Increase

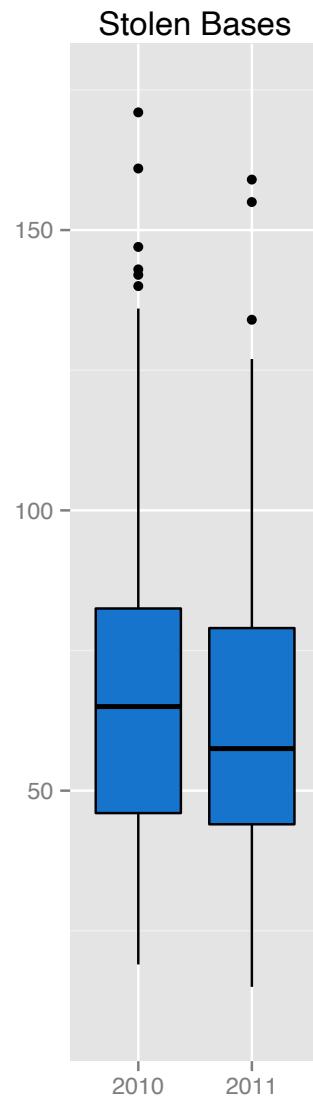
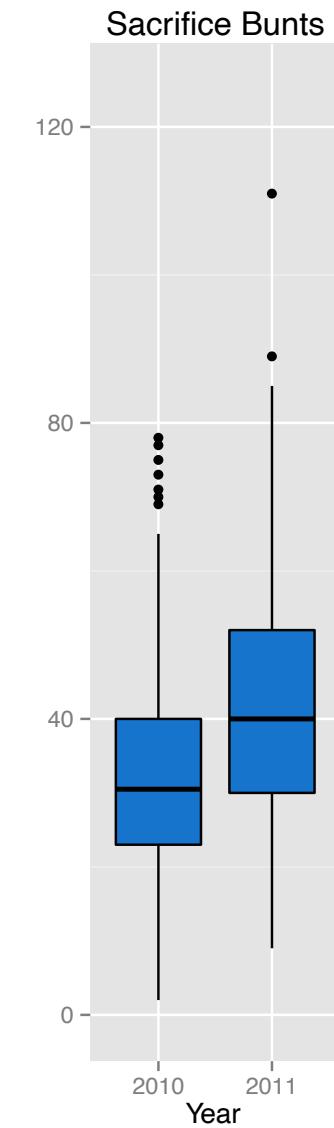
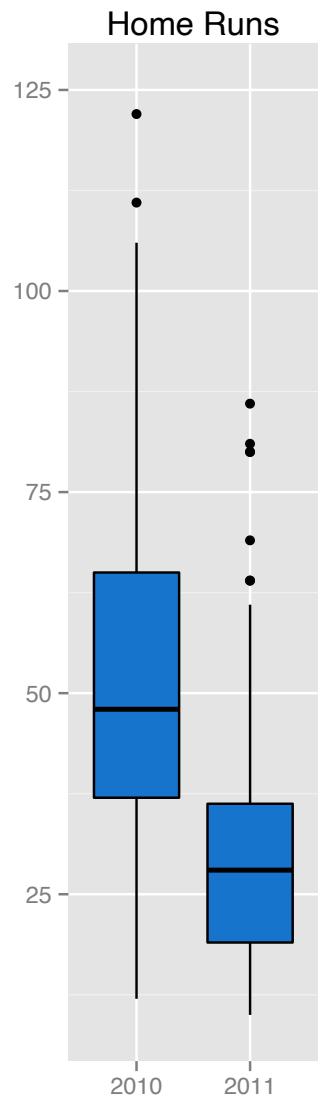


# Results

## Descriptive Statistics

	BAT TYPE	Avg.	Std. Deviation	n
HOME RUNS	BESR	50.44	22.13	292
	BBCOR	28.82	13.93	292
SACRIFICE BUNTS	BESR	33.12	13.95	292
	BBCOR	41.85	16.38	292
STOLEN BASES	BESR	65.01	26.41	292
	BBCOR	62.10	24.99	292

# Effects of BBCOR Bats



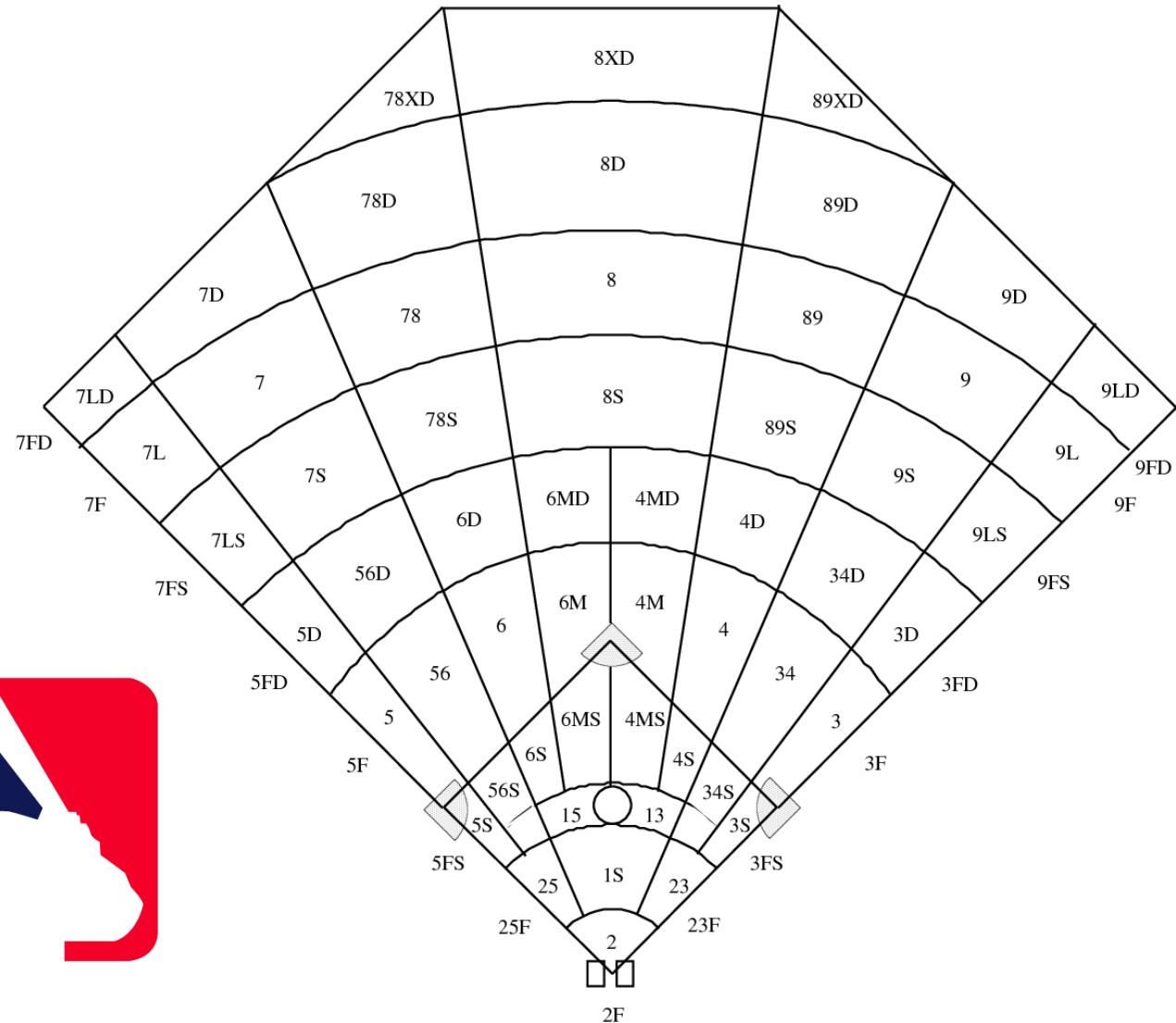
# MLB Sacrifice Bunts

# 2,346 sacrifice bunt attempts in MLB  
(2011)

Bases Occupied at Time of Pitch	%	Inning	%	Pitch Count	%	Defense Position	%	Relative Score	%
1--	56%	1	70%	0-0	49%	P	47%	$\geq 4$	4%
12-	21%	2	11%	0-1	17%	1B	18%	3	7%
-2-	17%	3	15%	1-0	12%	3B	17%	2	9%
1-3	5%	4	9%	1-1	10%	C	17%	1	16%
--3	1%	5	14%	2-1	3%	2B	1%	Tied	37%
-23	.005%	6	9%	0-2	2%	SS	0%	-1	17%
123	.003%	7	11%	1-2	2%			-2	5%
		8	11%	2-0	2%			-3	3%
		9	8%	3-1	1%			$\leq 4$	2%
		$\leq 10$	6%	2-2	1%				
				3-2	0%				
				3-0	0%				

# MLB Sacrifice Bunts

Field Location	Field Location
Location	Pctgs.
1	0.4118
23	0.1471
25	0.1454
2	0.0882
34	0.0780
56	0.0584
13	0.0209
3	0.0175
5	0.0128
15	0.0107
4	0.0060
6	0.0021
??	0.0009
7	0.0004



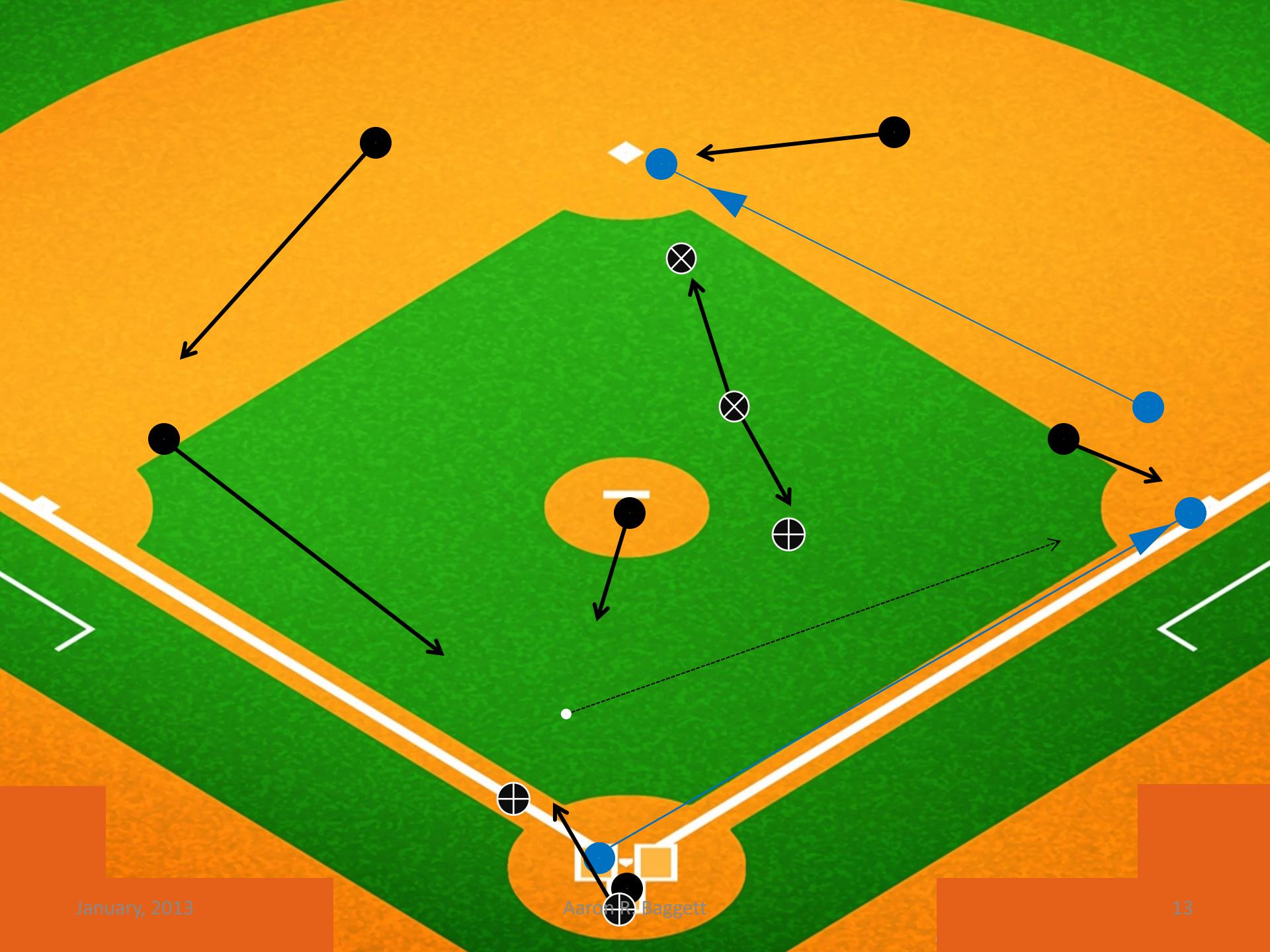
# Covering the Sacrifice Bunt

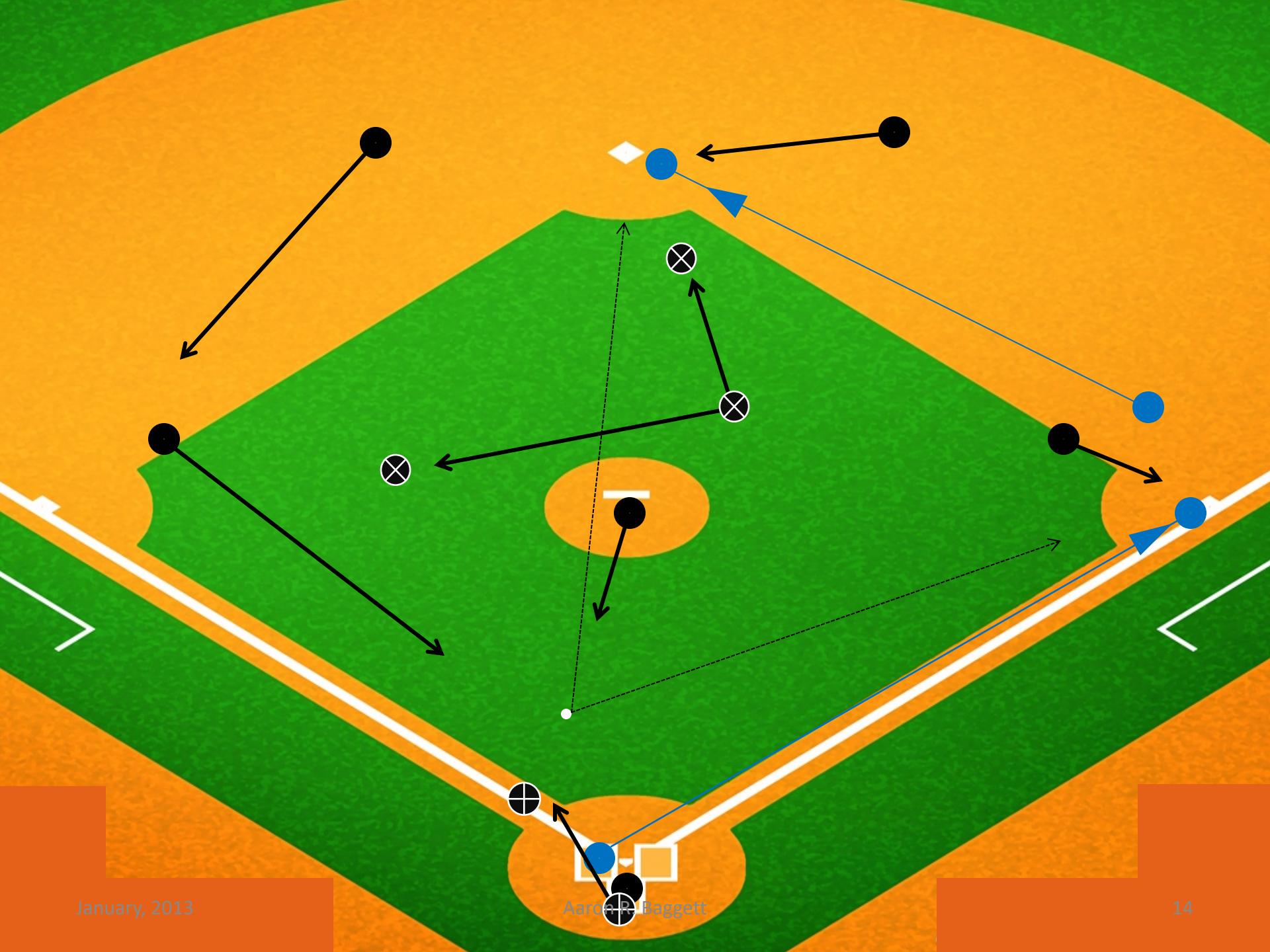
# Good pre-game

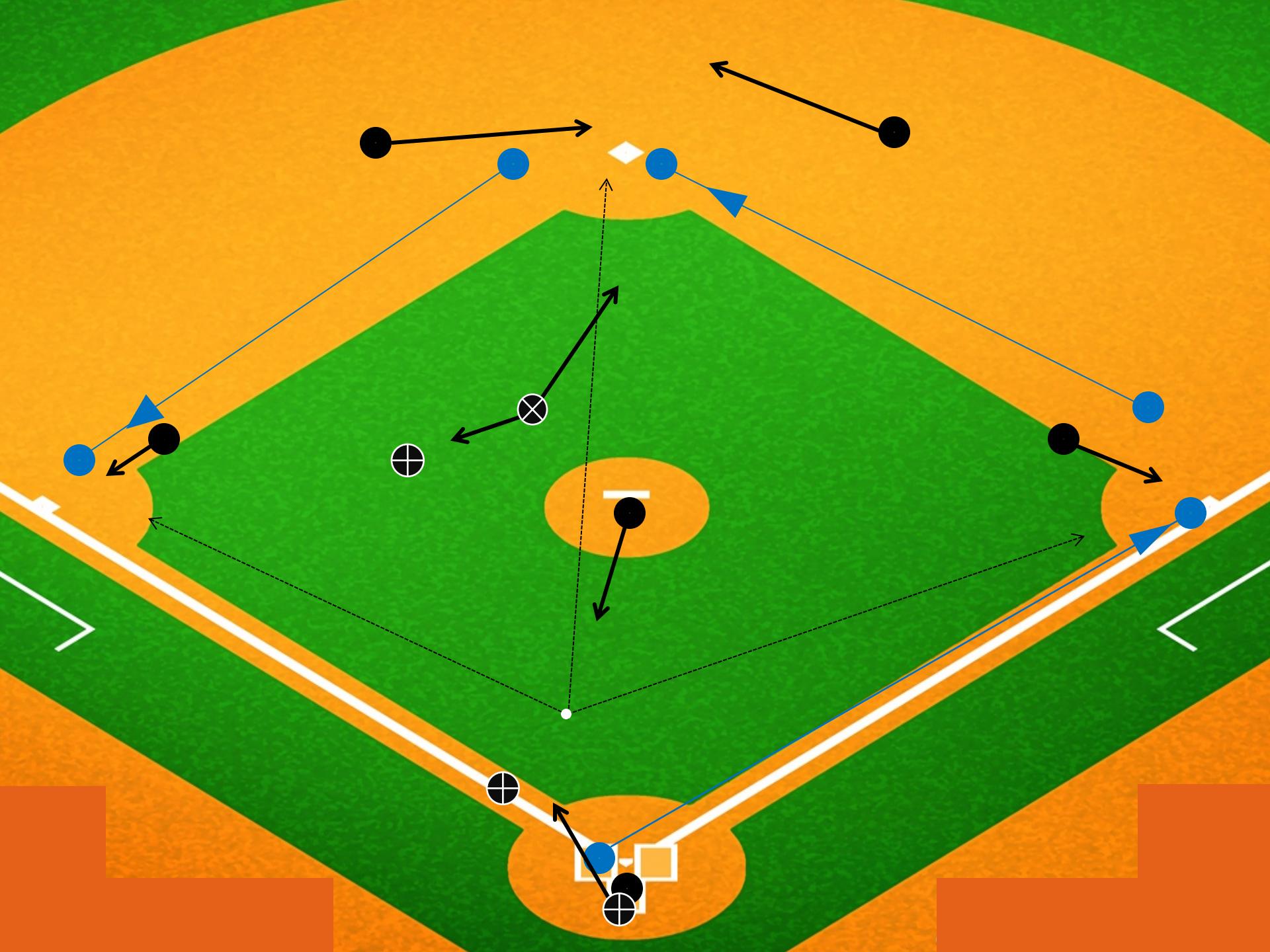
# Communication

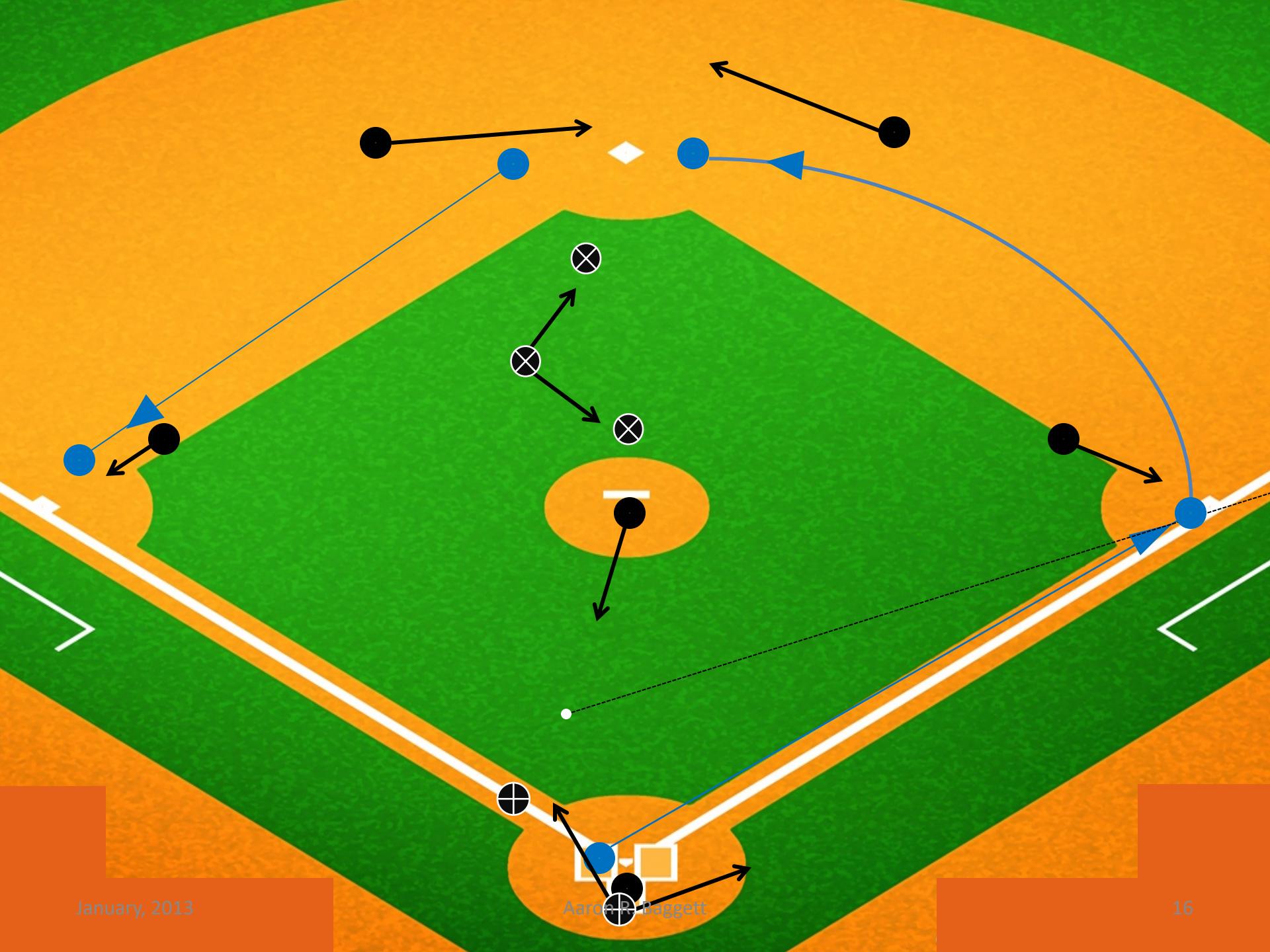
# Anticipation

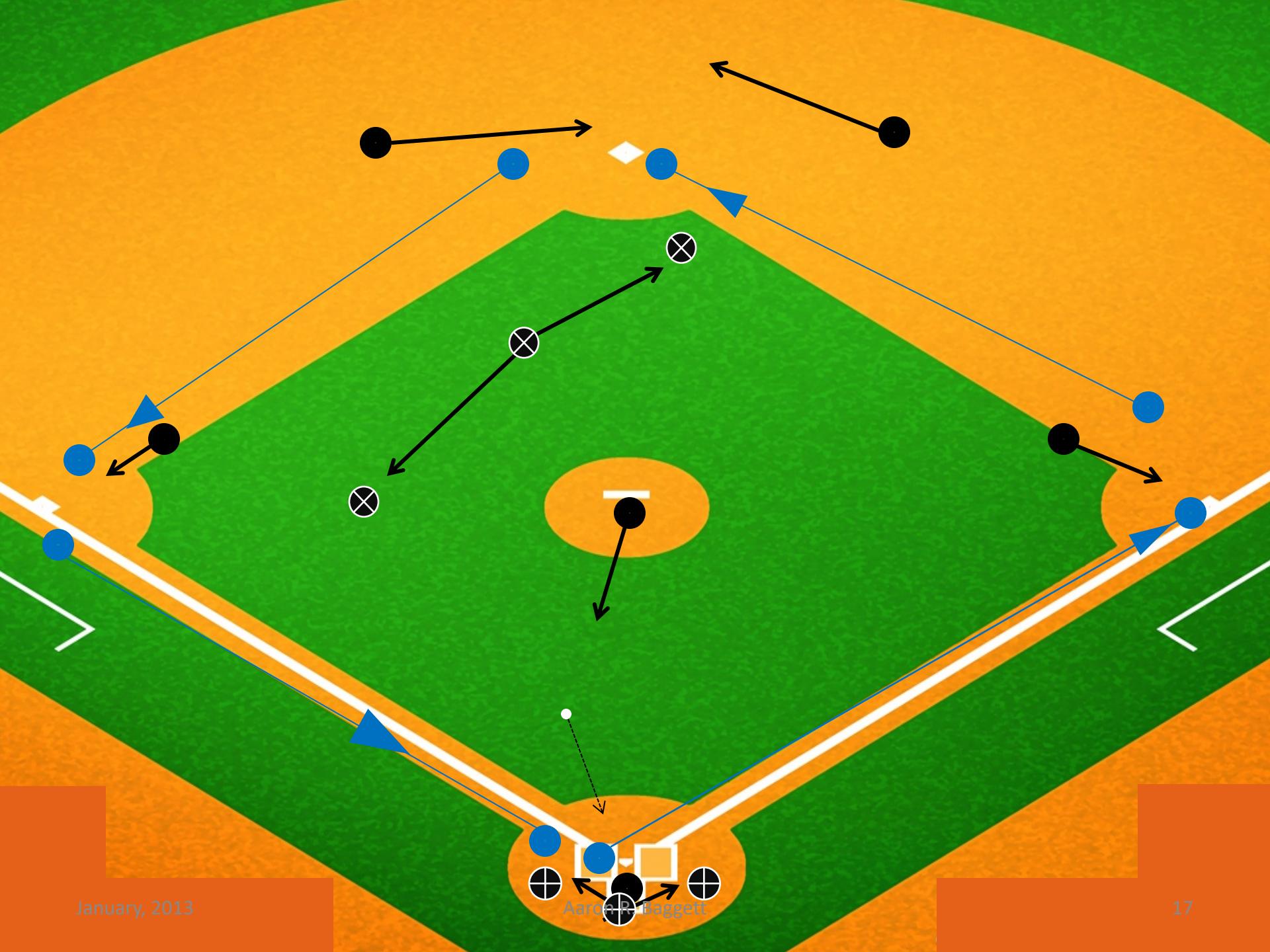
# Examples













tbs ARZ 4 MIL 4 NLDS GAME 2

BREWERS.COM #POSTSEASON FOX tbs

BREWERS.COM MLB FAN

PITCH COUNT: 4

















BOS 3  
KC 2

7TH  
2 OUT



# Contact Info

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