

Research Questions

- What is the root or underlying cause when a player has a large change in their production?
 - Is the change tied to luck or are they exhibiting new skills?
- What is the player's true talent level?
- What level of performance can be expected from a player going forward?

Adrian Gonzalez's

Improved Walk Rate in 2009

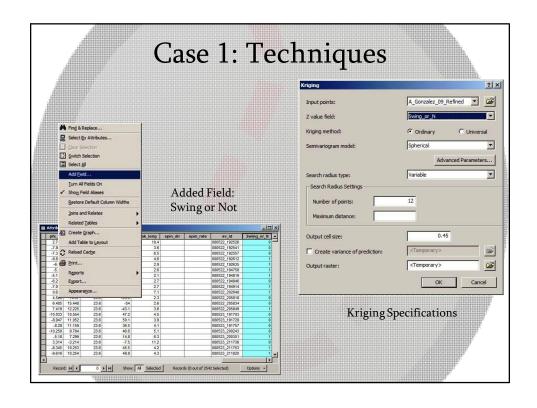
Plate Discipline Statistics

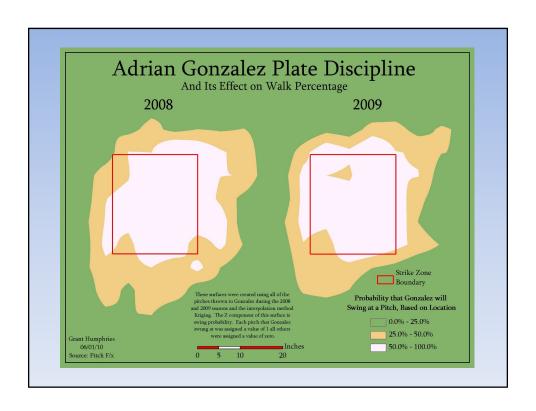
<u>Season</u>	<u>Team</u>	<u>PA</u>	<u>BB</u>	<u>BB%</u>
2008	Padres	700	74	10.60%
2009	Padres	681	119	17.50%

General Offense Statistics

<u>2B</u>	<u>3B</u>	<u>HR</u>	<u>OBP</u>	<u>SLG</u>	<u>ISO</u>	<u>OPS</u>	wOBA	<u>WAR</u>
32	1	36	0.361	0.510	0.231	0.871	0.368	3.9
27	2	40	0.407	0.551	0.274	0.958	0.402	6.6

Stats via





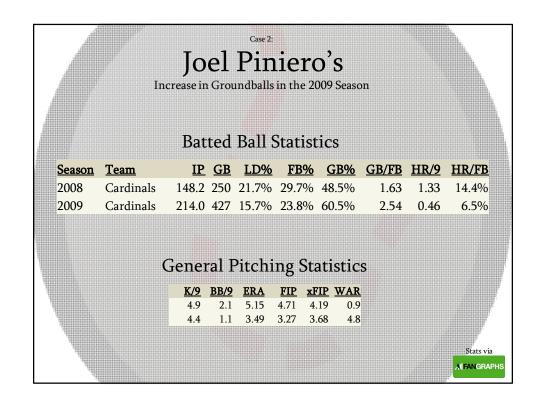
Case 1: Conclusions

- Has Approach Changed
 Yes
- New Skills Displayed?

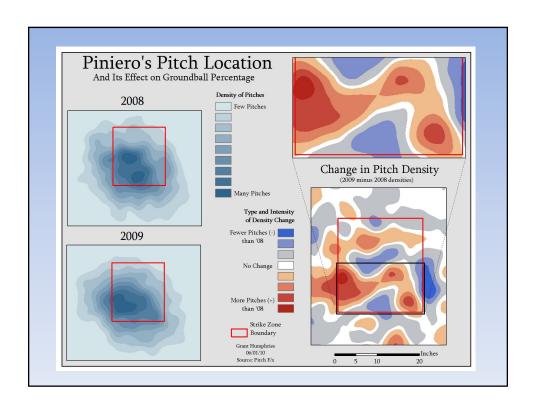
Yes

· Sustainable?

Yes







Case 2: Conclusions

• Has Approach Changed?

Yes

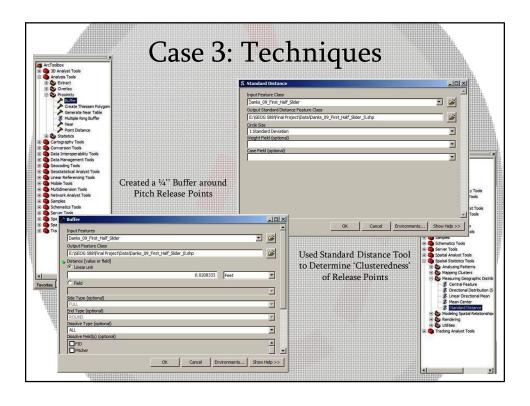
• New Skills Displayed?

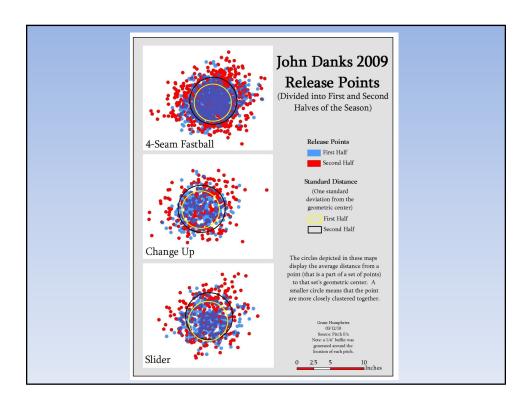
777

Sustainable?

Yes

John Danks Collapse In the Second Half of the 2009 Season General Pitching Statistics **Team** K/9 BB/9 HR/9 FIP xFIP GB% <u>Season</u> 2009 1/2 White Sox 8.3 3.32 1.14 4.11 3.94 46.4% 36.9% White Sox 2009 2/2 3.3 1.38 5.06 4.95 42.6% 43.8% 5.6 **Advanced Pitch Statistics** 1st Half Swinging Strike % Average Velo Average pfx Average brk 11.95" Change Up 22.8% 82.9 mph 91.0 mph 4-Seam FB 8.2% 6.67" Slider 17.5% 86.1 mph 2nd Half Swinging Strike % Average Velo Average pfx Average brk 82.1 mph 17.3% 11.55" Change Up 4-Seam FB 3.1% 89.9 mph Slider 10.5% 85.2 mph 6.52"





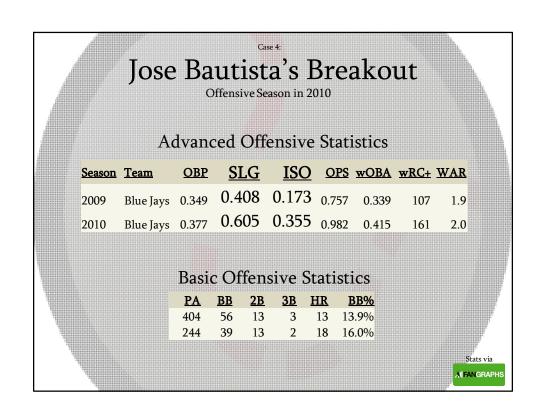
Case 3: Conclusions

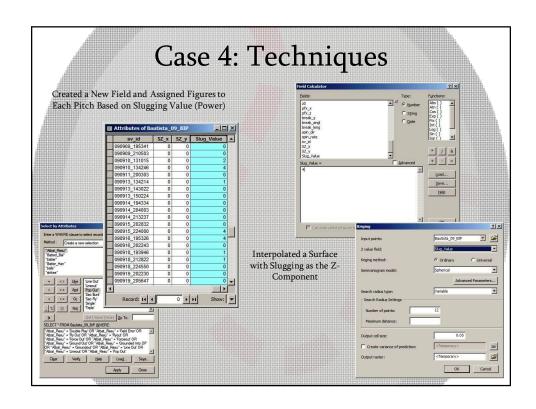
- Has Approach Changed?
 Yes
- New Skills Displayed?

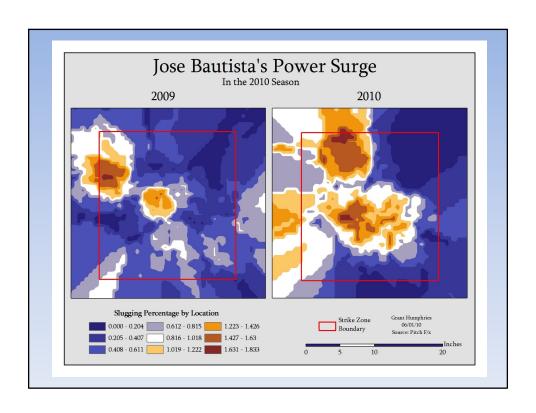
No

• Sustainable?

No







Case 4: Conclusions

• Has Approach Changed?

???

• New Skills Displayed?

Yes

• Sustainable?

??? - Need More Data

Questions?

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