

Silver Hostmaps Security and Proceedings Security Security	blate z - 2 - 2 - 01 -			2 3 4 5 5				
Side Heatings The property of	plate_z	Curveball Hard Hit Sur		hit_summary		Changeup Loc	ation vs All Hitter	is
The control of the co	fig, axs fig.supti plt.axis sns.kdepl axs[0][0] axs[0][0] sns.kdepl	plate Patmaps = plt.subplots(2, 3, itle('Slider Heatmap' (xmin = -3.5, xmax = lot(ax = axs[0][0],da].add_patch(Rectangle].set_title('Location lot(ax = axs[0][1],da	figsize = (20 , fontsize = 1 3.5), plt.axis ata=r_sl,x='pla e((83, 1.5), a vs RHH', font ata=r_sl,x='pla	<pre>, 12), sharex 6, fontweight (ymin = -1.5, te_x', y='plate 1.66, 1.82, fi size = 14, pag te_x', y='plate</pre>	= True, sharey = 'bold') ymax = 5.5) _z',fill=True,h ll = False, col = 15) _z',fill = True	= True) "ue='is_strik or = 'black' ", hue='swing_	e',palette='coo , linewidth = 2 miss',palette='	lwarm'))
THE INTERIOR AND A STATE OF THE PROPERTY OF TH	axs[0][1] sns.kdep] axs[0][2] axs[0][2] sns.kdep] axs[1][0] sns.kdep] axs[1][1] sns.kdep] axs[1][1] axs[1][1]	.set_title('Swing an lot(ax = axs[0][2],da .add_patch(Rectangle .set_title('wOBA Val lot(ax = axs[1][0],da .add_patch(Rectangle .set_title('Location lot(ax = axs[1][1],da .add_patch(Rectangle .set_title('Swing an lot(ax = axs[1][2],da .add_patch(Rectangle .set_title('wOBA Den	nd Miss vs RHH' ta=r_sl,x='pla e((83, 1.5), tue vs RHH', fo ta=l_sl,x='pla e((83, 1.5), tvs LHH', font ta=l_sl,x='pla e((83, 1.5), d Miss vs LHH' ta=l_sl,x='pla e((83, 1.5), d Miss vs LHH' ta=l_sl,x='pla e((83, 1.5),	<pre>, fontsize = 1 te_x',y='plate 1.66, 1.82, fi ntsize = 14, p te_x',y='plate 1.66, 1.82, fi size = 14, pac te_x',y ='plate 1.66, 1.82, fi , fontsize = 1 te_x',y='plate 1.66, 1.82, fi ntsize = 14, p</pre> <pre>Slider Hea</pre>	<pre>4, pad = 15) z', fill=True, f 11 = False, cod ad = 15) z', fill=True, f 11 = False, cod = 15) e_z', fill=True, f 11 = False, cod 4, pad = 15) z', fill=True, f 11 = False, cod ad = 15);</pre> <pre>tmap</pre>	ue='woba_val or = 'black' ue='is_strik or = 'black' hue='swing_m or = 'black' ue='woba_den	<pre>ue',palette='co , linewidth = 2 e',palette='coo , linewidth = 2 iss',palette='c , linewidth = 2 om',palette='co , linewidth = 2</pre>	olwarr)) lwarm)) oolwar)) olwarr))
BBB Control to any Autore device A control to agree any agree region and a control to agree any agree region and a control to agree and a control to agree any agree region and a control to agree and a contr	4 - 3 - 2 - 2 - 2 - 1 - 0 - -1 -		is_strike		swing_miss 0 1 liss vs LHH			_HH wob
A-Seam Heatmaps If you will not play the spin is the seam of the	4 - 3 - 3 - 2 - 1 - 013 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	_{plate_x} ots of swing & misses do	own & in. inside co	plate orner. Damage is	done when more i			wot
BRIE Costs had drown of the cost of the co	fig, axs fig.suptiplt.axis sns.kdeplaxs[0][0] axs[0][1] axs[0][1] sns.kdeplaxs[0][2] axs[0][2] axs[0][2] sns.kdeplaxs[0][2] sns.kdeplaxs[0][2] sns.kdeplaxs[0][2]	Heatmaps = plt.subplots(2, 3, itle('4-Seam Heatmap' (xmin = -3.5, xmax = lot(ax = axs[0][0], da].add_patch(Rectangle].set_title('Locationlot(ax = axs[0][1], da].add_patch(Rectangle].set_title('Swing anlot(ax = axs[0][2], da].add_patch(Rectangle].set_title('woba Vallot(ax = axs[1][0], da	figsize = (20 , fontsize = 1 3.5), plt.axis ta=r_ff,x='pla e((83, 1.5), n vs RHH', font ta=r_ff,x='pla e((83, 1.5), nd Miss vs RHH' ta=r_ff,x='pla e((83, 1.5), nue vs RHH', font ta=1_ff,x='pla	1, 12), sharex 6, fontweight (ymin = -1.5, te_x',y='plate 1.66, 1.82, fi size = 14, pac te_x',y='plate 1.66, 1.82, fi , fontsize = 1 te_x',y='plate 1.66, 1.82, fi ontsize = 14, p te_x',y='plate te_x',y='plate te_x',y='plate	= True, sharey = 'bold') ymax = 5.5) _z',fill=True,h ll = False, col = 15) _z',fill = True ll = False, col 4, pad = 15) _z',fill=True,h ll = False, col ad = 15) _z',fill=True,h	uue='is_strik or = 'black' ,hue='swing_ or = 'black' uue='woba_val or = 'black' uue='is_strik	<pre>, linewidth = 2 miss',palette=' , linewidth = 2 ue',palette='co , linewidth = 2 e',palette='coo</pre>	coolwa)) olwarr)) lwarm
Held: See to be of soring & information to be proposed above common whole: Curvehall Healtmaps Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Curvehall Healtmaps Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = Example of the common whole Ide; seet = 0. formities and 0. y. 1 formaties = 0.0. 101; wholes = 0.0. 101	sns.kdepl axs[1][1] axs[1][1] sns.kdepl axs[1][2] axs[1][2]	<pre>lot(ax = axs[1][1],da].add_patch(Rectangle].set_title('Swing an lot(ax = axs[1][2],da].add_patch(Rectangle].set_title('wOBA Val</pre>	is_strike ita=l_ff,x='pla ita=l_ff,x='	te_x',y ='plat 1.66, 1.82, fi , fontsize = 1 te_x',y='plate 1.66, 1.82, fi ntsize = 14, p	e_z',fill=True, ll = False, col 4, pad = 15) z',fill=True, ll = False, col ad = 15); atmap liss vs RHH swing_miss 0	or = 'black'	<pre>, linewidth = 2 ue',palette='co , linewidth = 2</pre>)) olwarr))
HHH-Cars lot of noing A misses mode up Curveball Heatmaps 1. fig. can = (1.1. picture) 7. figure = (20. 13) final = 1000 figure = 1000 figure = (20. 13) final = (2	1 - 0 - -1 - 5 - 4 - 3 -	Location vs LHH	0 1	Swing and M	swing_miss		wOBA Value vs LI	HH
pit Local scories = 7-00, more = 3-00, pit Local argusts = 7-00 (as particular or south) (i) pit Local argusts = 10 (as particular or south) (i) pit Local argusts = 10 (as particular or south) (ii) pit Local argusts = 10 (as particular or south) (iii) pit Local ar	RHH: Gets In LHH: Swing Curveba	ots of swing & misses innoted the second sec	ner 1/3 up. Damag	ge is done when r	nore middle True, sharey			2
Curveball Heatmap Location vs INH Swing and Miss vs INH BOUND Value vs INH Changeup Heatmaps Planting Table Value of the zone, Hit the hanger Changeup Heatmaps Planting Table Value of the zone, Hit the hanger Changeup Heatmaps Changeup Heatmaps Changeup Heatmap Location vs INH Changeup Heatmap Location vs RHH	plt.axis sns.kdepl axs[0][0] axs[0][0] sns.kdepl axs[0][1] sns.kdepl axs[0][2] axs[0][2] axs[0][2] sns.kdepl axs[1][0] sns.kdepl axs[1][0] sns.kdepl axs[1][1] sns.kdepl axs[1][1] sns.kdepl	<pre>(xmin = -3.5, xmax = lot(ax = axs[0][0],da].add_patch(Rectangle].set_title('Location lot(ax = axs[0][1],da].add_patch(Rectangle].set_title('Swing an lot(ax = axs[0][2],da].add_patch(Rectangle].set_title('BABIP Va lot(ax = axs[1][0],da].add_patch(Rectangle].set_title('Location lot(ax = axs[1][1],da].add_patch(Rectangle].set_title('Swing an lot(ax = axs[1][2],da</pre>	3.5), plt.axis ta=r_cu,x='pla e((83, 1.5), vs RHH', font ta=r_cu,x='pla e((83, 1.5), d Miss vs RHH' tta=r_cu,x='pla e((83, 1.5), due vs RHH', f tta=l_cu,x='pla e((83, 1.5), due vs RHH', f tta=l_cu,x='pla e((83, 1.5), due vs LHH', font tta=l_cu,x='pla e((83, 1.5), due vs LHH', font tta=l_cu,x='pla e((83, 1.5), due vs LHH', font tta=l_cu,x='pla	(ymin = -1.5, te_x',y='plate 1.66, 1.82, fi size = 14, pac te_x',y='plate 1.66, 1.82, fi , fontsize = 1 te_x',y='plate 1.66, 1.82, fi ontsize = 14, te_x',y='plate 1.66, 1.82, fi size = 14, pac te_x',y ='plate 1.66, 1.82, fi size = 14, pac te_x',y ='plate 1.66, 1.82, fi , fontsize = 1 te_x',y='plate	ymax = 5.5) z', fill=True, fill = False, coll z', fill = True fill = False, coll g', fill = True, fill=True, fill=Tru	or = 'black' hue='swing_ or = 'black' ue='babip_va or = 'black' ue='is_strik or = 'black' hue='swing_m or = 'black' ue='iso_valu	<pre>, linewidth = 2 miss',palette=' , linewidth = 2 lue',palette='c , linewidth = 2 e',palette='coo , linewidth = 2 iss',palette='c , linewidth = 2</pre>	coolwand)) coolwand))) lwarm' oolwand))) lwarm'
Location vs Dill Swing and Miss vs Dill RHH: Swing and misses are down & out of the zone. Hit the middle hanger LHH: Swing and misses are down & out of the zone. Hit the hanger Changeup Heatmaps Part, figure (figure = (6, 6)) min. Adeptot (detale = (6, 6)) min. Adeptot (detale = (6, 6)) min. Adeptot (detale = (6, 6)) pit. stain-(5, 5, 3), pit. vsinch-(5, 5	axs[1][2] axs[1][2] 5- 4- 3- 7- 2- 2- 2- 2- 2- 2- 3- 3	.add_patch(Rectangle .set_title('ISO Valu	e((83, 1.5), ne vs LHH', fon	1.66, 1.82, fi tsize = 14, pa	11 = False, cold = 15); eatmap liss vs RHH swing_miss 0		, linewidth = 2))
RHH: Swing and misses are down & out of the zone. Hit the middle hanger LHH: Swing and misses are down & out of the zone. Hit the hanger Changeup Heatmaps plt. figure (figsize = (6, 6)) sms, xdeplot (data = r_ch, x = 'plate_x', y = 'plate_z', fill = True, hue = 'type', palette='coolwarm') plt. goal(), add patch (Rectangle ((left, hottom), width, height, fill = Palee, color = 'black', linewidth = 'plt. xlin(-3.5, 2.5) plt. supritle ('Changeup Reatmap', fontaize = 16, fontweight = 'bold') plt. tight_layout(); Changeup Heatmap Location vs RHH Changeup Heatmap Location vs RHH	-1 - 4 - 3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Location vs LHH	0	Swing and M	swing_miss		ISO Value vs LH	Н
plt.suptitle('Changeup Heatmap', fontsize = 16, fontweight = 'bold') plt.title('Location vs RHH', fontsize = 14, pad = 15) Changeup Heatmap Location vs RHH 5	RHH: Swing LHH: Swing Change plt.figur sns.kdepl plt.gca()	plate_x and misses are down & c and misses are down & c up Heatmaps re(figsize = (6, 6)) lot(data = r_ch, x = 0.add_patch(Rectangle)	out of the zone. Hour of the zone.	Hit the middle har Hit the hanger	nger	= 'type', pa	plate_x lette='coolwarm	') th = 2
1 - 0 1 1 - 0 - 1 - 2 - 3 - 2 - 1 0 1 2 3 plate_x	plt.supti plt.title plt.tight	itle('Changeup Heatma e('Location vs RHH', t_layout(); Changeup He	<pre>fortsize = fontsize = 14,</pre> <pre>eatmap</pre>	pad = 15)	t = 'bold')			
	1 - 01 -			3				
	RHH: Barely			e zone				