Project StoryBoard

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Description of the tool(s) that will be used to create the final dashboard

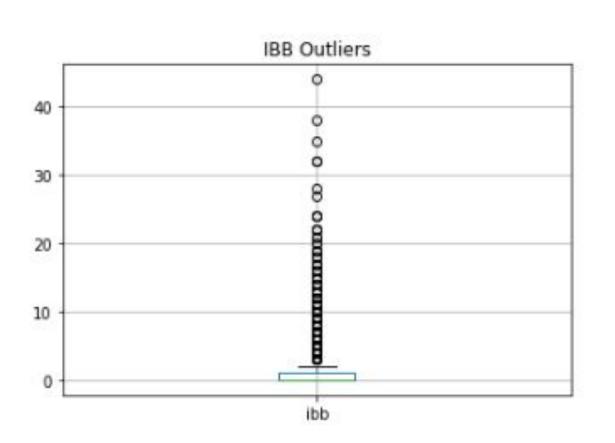
• We will be using Tableau to generate the dashboard from our dataset and machine learning model. We will display this dashboard on a website that is accessible by all via a url.

Description of interactive element(s)

- Team as a selectable filter that adapts the visualization to the specific team
- Number of ab's (at bats) feature that allows you to select from 4 clusters
 - o 0-50 ab's, 51-100 abs, 101 200 abs, 201 300, 301 + (tbd based on clustered visualization analysis to determine the best clusters)
- Interactive Legend that displays what the statistics in the dataset represent

Correlation to Salary

	Correlation to Salary	
salary -	1	-1.00
rbi -	0.29	
ibb -	0.29	_
hr -	0.28	- 0.75
rc -	0.28	
bb -	0.27	_
ф-	0.27	0.20
r-	0.26	- 0.50
g_idp -	0.25	
h -	0.25	
double -	0.25	- 0.25
pa -	0.25	
ab -	0.24	
single -	0.24	0.00
sf -	0.23	- 0.00
so -	0.21	
sig % -	0.19	
ops -	0.19	0.25
9 -	0.17	
hbp -	0.17	
batting avg -	0.16	0.50
obp -	0.16	-0.50
babip -	0.14	
sb -	0.07	
cs -	0.056	0.75
triple -	0.047	
year -	0.045	
sh -	0.026	1.00
1132	salary	



Correlation Heatmap

year	- 1	.0020	2001	10.03	0.01	D.017	0.02	3 0.026	50.03	0.018	0.02	30.04	0.031	0.03	2.007	0.04€	0.01	6,007	6 048	9.004	ED.03	0.027	0.02	0.034	0.017	0.029	0.000	.005		-1.00
q	.002	1	0.92	0.89	0.91	0.88	0.58	0.76	0.86	0.55	0.6	0.83	0.84	0.55	0.64	0.12	0.74	0.79	0.17	0.89	0.63	0.55	0.56	0.62	0.9	0.88	0.44	0.92		
ab	0.001	0.92	1	0.97	0.99	0.95	0.63	0.82	0.94	0.6	0.65	0.89	0.91	0.59	0.68	0.17	0.81	0.86	0.24	0.98	0.74	0.65	0.67	0.73	0.98	0.95	0.55	1		
г	-0.03	0.89	0.97	1	0.98	0.95	0.66	0.86	0.94	0.64	0.67	0.91	0.89	0.61	0.69	0.14	0.78	0.81	0.26	0.95	0.73	0.62	0.64	0.71	0.98	0.98	0.52	0.97		-0.75
h	0.011	0.91	0.99	0.98	1	0.96	0.64	0.82	0.94	0.61	0.66	0.88	0.88	0.62	0.67	0.15	0.8	0.86	0.25	0.99	0.74	0.64	0.66	0.72	0.99	0.98	0.54	0.99		
double	0.01	0.88	0.95	0.95	0.96	1	0.58	0.82	0.93		0.59	0.87	0.86	0.61	0.65	0.085	0.79	0.84	0.25	0.92	0.72	0.61	0.64	0.7	0.97	0.96	0.52	0.95		
triple	0.02	0.58	0.63	0.66	0.64	0.58	1	0.4	0.52	0.68	0.67		0.56	0.27	0.4	0.24	0.44	0.42	0.047	0.64	0.46	0.4	0.42	0.45	0.61	0.6	0.36	0.63		0.50
hr	0.026	0.76	0.82	0.86	0.82	0.82	0.4	1	0.93	0.35	0.4	0.83	0.84	0.66	0.62	0.077	0.7	0.72	0.28	0.73	0.67	0.52	0.52	0.62	0.9	0.9	0.41	0.83		- 0.50
rbi	-0.03	0.86	0.94	0.94	0.94	0.93	0.52	0.93	1			0.89	0.89	0.67	0.67	0.026	0.83	0.84	0.29	0.89	0.73	0.6	0.62	0.7	0.97	0.97	0.5	0.94		
sb	0.018	0.55	0.6	0.64	0.61	0.53	0.68	0.35	0.46	1	0.83	0.51	051	0.24	0.39	0.28	04	0.38	0.07	0.63	0.38	0.36	0.38	0.39	0.57	0.56	0.32	0.6		
CS	0.02	0.6	0.65	0.67	0.66	0.59	0.67		0.52	0.83	1	0.56	0.57	0.27	0.44	0.29		0.45	0.056	0.68	0.44	0.4	0.42	0.44	0.62	0.6	0.36	0.65		- 0.25
bb	0.04	0.83	0.89	0.91	0.88	0.87	0.53	0.83	0.89	0.51	0.56	1	0.87	0.68	0.64	0.075	0.74	0.75	0.27	0.84	0.68	0.61	0.59	0.68	0.9	0.92	0.48	0.91		
50	0.031	0.84	0.91	0.89	0.88	0.86	0.56	0.84	0.89	0.51	0.57	0.87	1	0.54	0.66	0.14	0.72	0.74	0.21	0.83	0.72	0.61	0.62	0.7	0.9	0.87	0.54	0.92		
ibb	0.032	0.55	0.59	0.61	0.62	0.61	0.27	0.66	0.67	0.24	0.27	0.68	0.54	1	0.4	0.066	0.54	0.57	0.29	0.57	0.47	0.4	0.39	0.45	0.65	0.69	0.31	0.6		0.00
hbp	007	0.64	0.68	0.69	0.67	0.65		0.62	0.67	0.39	0.44	0.64	0.66	0.4	1	0.1	0.54	0.57	0.17	0.65	0.53	0.47	0.46		0.68	0.67	0.38	0.69		- 0.00
sh	0.046	0 12	0.17	0.14	0.15	0.085	0.24	0.07	0026	0.28	0.29	0.075	0 14	0.06	601	1	0.06	0.068	0 026	0.2	0.13	0.18	0.2	016	0.090	066	0 23	0.18		
sf	0.016	0.74	0.81	0.78	0.8	0.79	0 44	0.7	0.83			0.74	0.72	0.54	0.54	0.06	1	0.73	0.23	0.78	0.6	0.52	0.53	0.59	0.81	0.79	0.42	0.81		
g idp	0.007	0.79	0.86	0.81	0.86	0.84	0.42	0.72	0.84	0.38	0.45	0.75	0.74	0.57	0.57	0.068	0.73	1	0.25	0.85	0.64	0.56	0.58	0.63	0.85	0.83	0.46	0.86		0.25
salary	0.045	0.17	0.24	0.26	0.25	0.25	0.047	70.28	0.29	0.07	0.056	0.27	0.21	0.29	0.17	0.026	0.23	0.25	1	0.24	0.19	0.16	016	0.19	0.27	0.28	0.14	0.25		50000
single	0.004	0.89	0.98	0.95	0.99	0.92	0.64	0.73	0.89	0.63	0.68	0.84	0.83	0.57	0.65	0.2	0.78	0.85	0.24	1	0.71	0.63	0.66	0.7	0.95	0.94	0.55	0.97		
sla %	-0.03	0.63	0.74	0.73	0.74	0.72	0.46	0.67	0.73	0.38	0.44	0.68	0.72	0.47	0.53	0.13	0.6	0.64	0.19	0.71	1	0.88	0.95	0.99	0.75	0.73	0.87	0.75		
obp	0.027		0.65	0.62	0.64	0.61	84	0.52	0.6	0.36	0.4	0.61	0.61	04	0.47	0.18	0.52	0.56	0.16	0.63	0.88	1	0.91	0.92	0.63	0.62	0.85	0.65		0.50
batting avg	0.02	0.56	0.67	0.64	0.66	0.64	0.42	0.52	0.62	0.38	0.42	0.59	0.62	0.39	0.46	0.2	0.53	0.58	0.16	0.66	0.95	0.91	1	0.97	0.65	0 63	0.94	0.67		
ops	-0.03	0.62	0.73	0.71	0.72	0.7	0.45	0.62	0.7	0.39	0.44	0.68	0.7	0.45	0.52	0.16	0.59	0.63	0.19	0.7	0.99	0.92	0.97	1	0.72	0.71	0.9	0.73		
tb	0.01	0.9	0.98	0.98	0.99	0.97	0.61	0.9	0.97	0.57	0.62	0.9	0.9	0.65	0.68	0.09	0.81	0.85	0.27	0.95	0.75	0.63	0.65	0.72	1	0.99	053	0.98		0.75
rc	0.029	0.88	0.95	0.98	0.98	0.96	0.6	0.9	0.97	0.56	0.6	0.92	0.87	0.69	0.67	0.066	0.79	0.83	0.28	0.94	0.73	0.62	0.63	0.71	0.99	1	0.51	0.96		
babip	0.002	0 44	0.55	0.52	0.54	0.52	0.36	0.41	0.5	0.32	0.36	0.48	0.54	0 31	0.38	0.23	0.42	0.46	014	0.55	0.87	0.85	0.94	0.9	0.53	0.51	1	0.55		
	005	0.92	1	0.97	0.99	0.95	0.63	0.83	0.94	0.6	0.65	0.91	0.92	0.6	0.69	0.18	0.81	0.86	0.25	0.97	0.75	0.65	0.67	0.73	0.98	0.96	0.55	1		
	100	- 1		1	1	1	1	1	1	1	J.	1	1	-	1	1	1	L	1		1	T.	1	1	1	1	1.	J	50	1.00
	year	9	음	-	£	double	triple	2	ē	B	8	品	8	g	Pbp	15	'to	g idp	salany	single	% bis	dqo	avg	obs	₽	5	papip	8		
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Team Correlation to Salary

	learn correlation to Salary	
salary -	1	- 1.00
team NYA	0.17	
team PHI -	0.083	
team BOS -	0.063	0.00
team DET -	0.053	- 0.75
team LAN -	0.052	
team LAA -	0.042	
team CHN -	0.03	The second second
team_SFN -	0.028	- 0.50
team CHA -	0.019	_
team NYN -	0.0065	
team_SLN -	0.0034	The second second
team_TEX -	-0.0031	- 0.25
team ATL -	0.0063	
team SEA -	-0.01	
team CIN -	-0.011	
team MIN -	-0.011	- 0.00
team MIL -	-0.012	
team BAL -	-0.016	
team_TOR -	-0.017	
team WAS -	-0.019	0.25
team COL -	-0.022	
team_MIA -	-0.029	
team ARI -	-0.03	
team_HOU -	-0.036	0.50
team CLE -	-0.042	
team KCA -	-0.043	
team FLO -	-0.046	
team TBA -	-0.047	0.75
team OAK -	-0.054	
team PIT -	-0.057	
team SDN -	-0.062	
	salary	1.00