Project StoryBoard

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

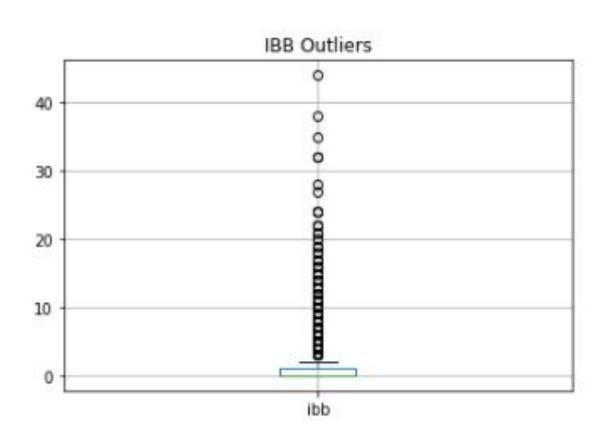
- Our final Dashboard will be created through the use of Tableau.
- We will be using Tableau to generate the dashboard from our dataset and machine learning model. We will display this dashboard on a website that is accessible by all via a url.
- The final dashboard will include the following visualizations in addition to many more.

Description of interactive element(s)

- Team as a selectable filter that transforms the dataset to fit your search criteria
- Number of ab's (at bats) feature that allows you to select from 4 clusters
 - 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

salary -	1	-1.00
rbi -	0.29	
ibb -	0.29	
hr -	0.28	- 0.75
rc -	0.28	
bb -	0.27	
tb -	0.27	The same of the sa
1-	0.26	- 0.50
g_idp -	0.25	
h-	0.25	
double -	0.25	- 0.25
pa -	0.25	A Section
ab -	0.24	
single -	0.24	
sf -	0.23	- 0.00
50 -	0.21	
sig % -	0.19	
ops -	0.19	0.25
9-	0.17	5.000.00
hbp -	0.17	
batting avg -	0.16	
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
444	salary	
	0.23	



Correlation Heatmap

																														2.00	
year	- 1	.0020	2001	10.03	0.01	D.01	70.02	3 0.026	60.03	0.01	ED.02	30.04	0.031	0.030	2.007	0.040	0.014	6.0076	8.048	9.004	SD.03	0.027	0.02	0.03	0.017	0.029	0.000	1.005		-1.00	
g	.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	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			
r	-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		0.97		-0.75	
h	0.01	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		0.98		0.99			
double	0.01	0.88	0.95	0.95	0.96	1	0.58	0.82	0.93	0.53	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		0.95			
triple			0.63	0.66	0.64	0.58	1	0.4	0.52	0.68	0.67	0.53	0.56	Contractor of the last	0.4	0.24	0.44		0.047	0.64	0.46	0.4	0.42	0.45	0.61	0.6		0.63		- 0.50	
	0.026			0.86	0.82	0.82	0.4		0.93	0.35	0.4			VOLUME IN	0.62			0.72	0.28	0.73	0.67	0.52	0.52	0.62	0.9	0.9		0.83		0.50	
	-0.03		0.94	0.94	0.94	0.93	0.52	0.93	1	0.46	0.52	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			
	0.018		0.6	0.64	0.61	0.53	0.68	0.35	0.46	1	0.83	0.51	0.51	0.24	0.39	0.28	0.4	0.38		0.63	0.38	0.36	0.38	0.39	0.57	0.56	0.32	0.6			
	0.02		0.65	0.67	0.66	0.59	0.67	0.4	0.52	0.83	1	0.56	0.57	0.27	0.44	0.29	0.45	0.45	0.056	0.68	0.44	0.4	0.42	0 44	0.62	0.6		0.65		-0.25	
	-0.04		7000	0.91	0.88	0.87		0.83		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	1000	0.92		0.91			
	0.031		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		0.87	0.54	0.92			
	0.032		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	0.060	IO 54	0.57	0.29	0.57	0.47	0.4	0.39		0.65	0.69	0.31	0.6		- 0.00	
, lo	007	-	0.68	0.69	0.67	0.65	0.4	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	0.52	0.68	0.67	0.38	0.69		0.00	
sh	0.046	~ **	0.17	0.14	0.15	0.085	0.24	0.07	ID 026	10.28	0.29	0.075	0.14	0.06	601	1	0.06	0.068	0.026	0.2	0.13	0.18	0.2	0.16	0.09	0 066	0.23	0.18			
	0.016	201	0.81	0.78	0.8	0.79	0.44	0.7	0.83	0.4	0.45	0.74	0.72	0.54	0.54	0.06	1	0.73	0.23	0.78	0.6	0.52		0.59	0.81	0.79		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	5
salary	0.045	0.17	0.24	0.26	0.25	0.25	0.047	0.28	0.29	0.07	0.05	50.27	0.21	0.29	0.17	0.026	0.23	0.25	1	0.24	0.19	0.16	0.16	0.19	0.27	0.28	0.14	0.25		000	
	0.004		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			
	-0.03	STATE STATE OF	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		0.75		0.50	2
and.	0.02		0.65	0.62	0.64		0.4	0.52	0.6	0.36	0.4		0.61	0.4	0.47	0.18	0.52	0.56	0.16	0.63	0.88	1	0.91	0.92	0.63	0.62		0.65		-0.50	2
	-0.02	No. of Lot	0.67	0.64	0.66	0.64	0.42	0.52	0.62	0.38	0.42	0.59		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		0.67			
P	-0.03		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		0.73			
	0.01		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		0.98		0.75	5
	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	051	0.96			
babip		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	0.14	0.55	0.87	0.85	0.94	0.9	0.53	0.51	1	0.55			
pa	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	2	1.00	0
	year	6	9	-	_	흥	triple	E	ē	B	8	£	8	qqi	pp	5	'tn	d _p	2	single	%	dqo	avg	Sdo	Ð	R	papip	2			
	94					double	Ē					100		-	E			6	salary	5	Sig	0		0			2				
						8												-	ON.	60	41		gui				44				

Team Correlation to Salary

	leam Correlation to Salary	
salary -	1	- 1.00
team_NYA	0.17	
team_PHI -	0.083	_
team_BOS -	0.063	0.75
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	100
team TOR -	-0.017	
team WAS -	-0.019	0.25
team_COL -	-0.022	
team MIA -	-0.029	
team_ARI -	-0.03	0.50
team_HOU -	-0.036	0.50
team CLE -	-0.042	
team KCA -	-0.043	
team FLO -	-0.046	0.77
team_TBA -	-0.047	0.75
team OAK -	-0.054	
team_PIT -	-0.057	
team_SDN -	-0.062	1.00
(=4) ()		1.00

salary