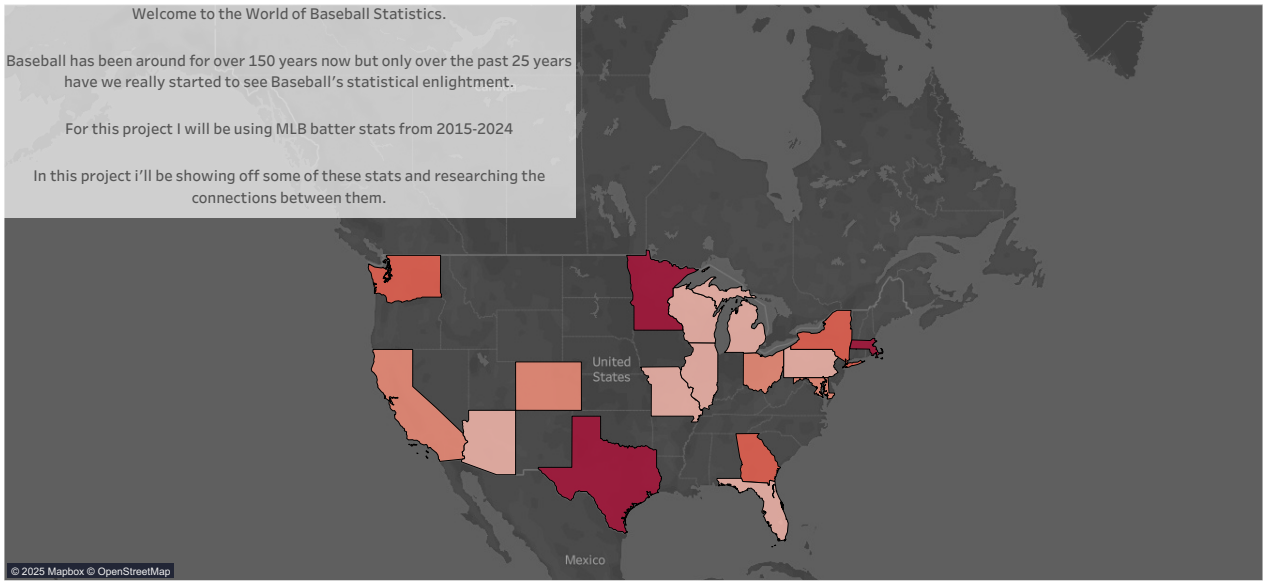
Storyboard

Introduction | Exploratory Analysis | Linear Regression | Linear Regression 2 | Final Results



ops50

OPS is an all encompassing offensive stat that stands for OnBase Plus Slugging and is a stat that combines both the rate at which a batter gets on base and the rate at which the batter accrues bases.

The 50 portion is something I added which only displays the stats for batters with atleast 50 plate appearances to weed out the small samples that could..

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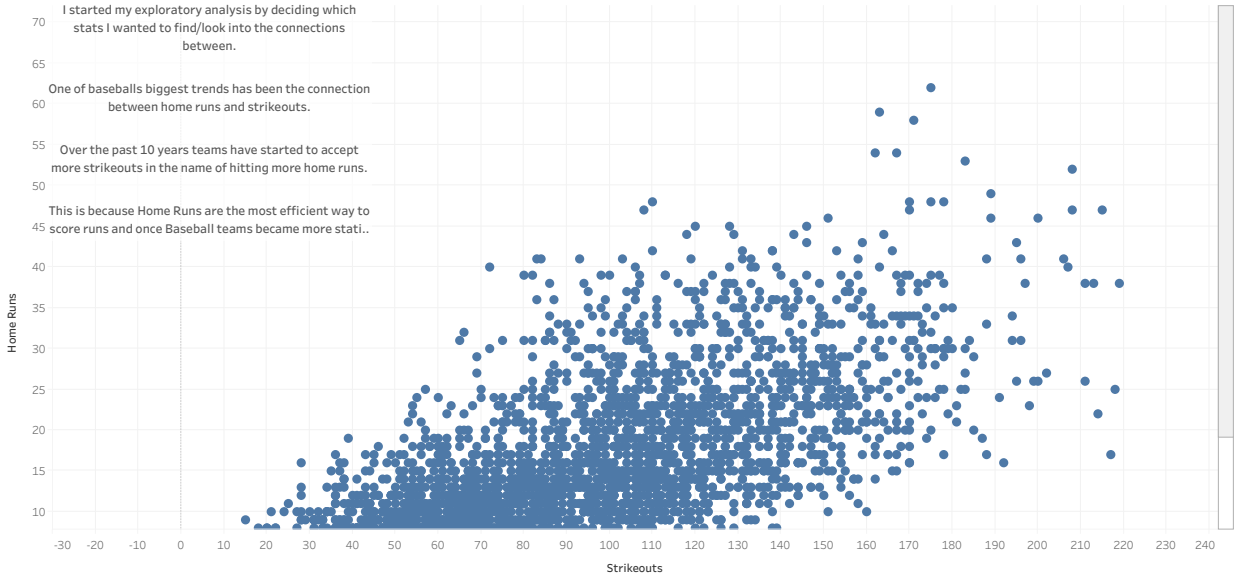

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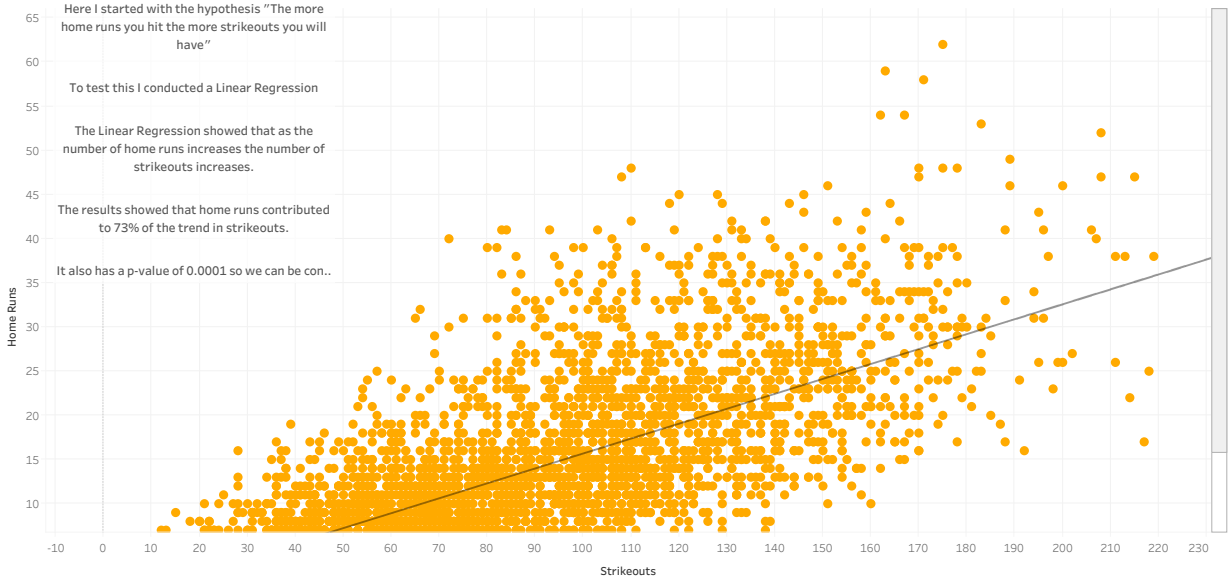

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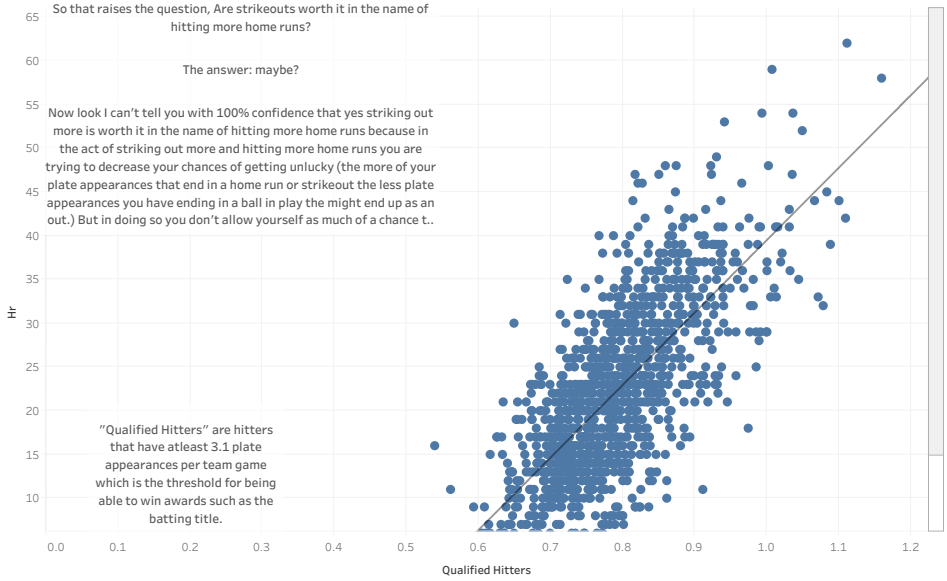

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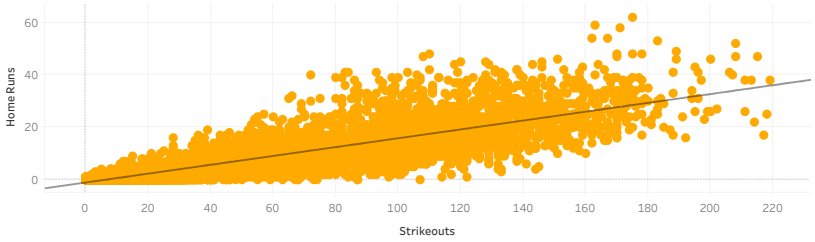
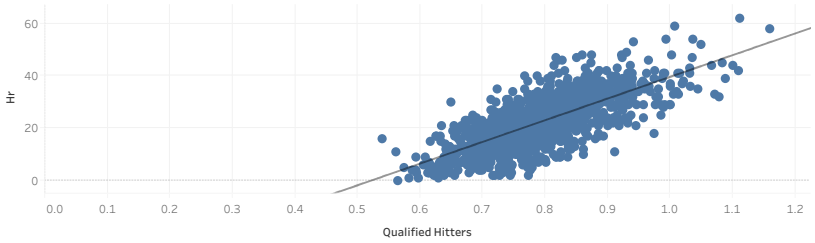
Based on these results I would say it is worth it to accept more strikeouts in the name of hitting more home runs. But it isn't that black and white and for a future analysis I could look into more advanced statistics to determine the extent that it is worth it to strikeout more for more home runs using stats like HR/9 and SO/9 Rate which are stats that adjust how many home runs/strikeouts a player/team has per 9 innings (1 full baseball game).

Limitations:

The primary limitations of my data were that this is only data from the past 10 MLB seasons and 1 of those seasons (2020) was a COVID shortened season. Also I didn't use any statistics to adjust for the league wide offensive enviorment (2017 and 2019 are widely accepted as juiced ball seasons where MLB experimented with different baseballs causing home run and overall offensive numbers to spike dramatically).

SO vs HR Trend Line



HRs vs OPS