Review of Premier League Book Makers Markets
Between Liverpool and Manchester United

- **ESL Soccer Database via Kaggle from 2008 - 2016**
  https://www.kaggle.com/hugomathien/soccer
  DB Notes: mysqlite, 298M, 26K match rows, 11 Countries, 11 Leagues, 11K Players, 299 Teams

- **Refactored to PostgreSQL, maintaining relations and hosted in an Amazon RDS instance, sharing the connection string**

- **In that job I took interest in the Book making data in the set I wanted to see visually what that data said and I used Ordinary least squares linear regression to review the set. Not surprisingly all the slopes were positive**

- **GOAL!!!! Given this Rivalry - Can we predict the next game Odds for Win Lose or Draw**

- **Liverpool and Manchester Played 16 Matches Liverpool Overall only won 37% of 16 matches over the 8 year period. Manchester won 56% of 16 matches overall but the won a whopping 75% of home matches to Liverpool's 50% of home matches**

- **The data represents the decimal odds that the Home or Away team will Win Lose or Draw**
  A value of 2 plotted meant the bookie is showing a 50% Chance of the home team winning.
  A value of 5 plotted means the bookie is showing a 20% Chance of the home team winning. A 5 plot also suggests the odds could be called 4/1 in the fractional format.

- **The sets are interesting in their difference both amongst themselves and between the two teams. The Liverpool odds of having a draw were usually considered to be at 30%**

- **3 sets of Markets -**
    a) Home team Odds to Win
    b) Home team Odds to Draw
    c) Home team Odds to Lose

- **Seeing the Combined Overlays together for Either teams Odds when they are at home also tells a story I believe. Liverpool is clearly not as strong of a team as Manchester United but the odds also show over the years that DRAWs are rarely predicted with a high chance of probability.**

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