**SABR #22 – Who Da’ MVP?**

1. Using our class QB rankings (data in ‘class results 2024 2025 nfl quarterbacks approval voting super bowl’ file in Schoology), apply each of the following election methods to determine who we think is the best NFL quarterback:

1. **Plurality Winner**- most 1st place votes (how most elections are conducted)
2. **Majority Winner** - more than ½ of 1st place votes
   1. How many 1st place votes would a candidate in our election need?
   2. There can be no majority winner in some cases if no one reaches 50% which requires a runoff.
   3. For example, the 2022 US Senate election in Georgia required a runoff.
3. **Runoff Method** - if no majority, run off top two candidates head-to-head (ignoring everybody else) to determine the Runoff Winner
4. **Borda Count Method** – ranked-choice ballots where each place is assigned points.
   1. For n choices: n for 1st, n-1 for 2nd, etc. (we had 5 candidates so 5 points for 1st place, 4 pts for 2nd, etc.)
   2. Add points and candidate with highest total wins (i.e., Borda Count Winner) where any tie is broken by most 1st place votes (please compute for all the candidates)

2. Create a ranked-choice election with 3 candidates and at least 25 voters that has a Borda Count Winner who is NOT the Plurality Winner. State your election results.

3. Magic Johnson won the 1990 NBA MVP award. Charles Barkley says that he ‘got robbed out of the MVP.’ The NBA uses a *modified* Borda Count to determine the MVP. Below are the vote totals (and corresponding points for each place) for the top 3 candidates:



1. Why does Barkley claimed that he was robbed?
2. Based on the voting, who do you think should have been MVP (i.e., is Sir Charles right)?
3. Recalculate the results using the standard Borda Count method where 1st place earns 10 points, 2nd place earns 9 points, etc. Who is the winner?
4. Jean-Charles Borda (of Borda Count fame) commented that, “my scheme is only intended for honest men.” What do you think that Borda was referring to?

4. Next, using the second set of data (teams who we thought could win the Super Bowl) tabulate the votes for each.

This is called **Approval Voting**, which is the method that is used for Hall of Fame voting.

Which team(s) occurred (i.e., were approved of) the most?

In an election where the candidate with the most votes wins, what is the effect of:

a) a voter that votes for all the candidates (teams)

b) a voter that votes for none of the candidates (teams

5. To be elected to the National Baseball Hall of Fame in Cooperstown, NY, a candidate must receive 75% of the votes in its annual election by the Baseball Writers' Association of America (i.e, Approval Voting). Using the results of the [2025 Hall of Fame Voting](https://www.baseball-reference.com/awards/hof_2025.shtml#all_hof_BBWAA), which candidates were elected to the hall of fame? Thoughts?