Hello all,

https://docs.google.com/spreadsheets/d/1_Zlcpdbx133L-jIqyDwhjp7TdBlYORot4ZoJKH6IKcg/edit?usp=sharing

In the final moments of the season, there has been a shakeup at the top of the standings. We have a new champion from out of nowhere!

- Congratulations to none other than BUTTON for winning Minors 32 ATS.
- He smartly waited for coos to pick before picking himself, and coos gave him that information by making the pick in the Reddit post instead of via DM.
- Congratulations to Borgus for winning the playoff ATS. After a bottom third performance in the regular season, he bounced back strongly in the playoffs with two perfect weeks and two weeks of at least 50%.
- jazz comes in second place. This comes after I realized that I had not given her credit for choosing TCT in the F15. Good thing that doing season-end statistics also serves as an auditing process. Russ loses the playoff ATS badly.
- waterwheel used to be the king, but a poor playoff performance dropped him to the bottom half of the standings.
- The other king, coos, remains in second place.
- Under 5 points separate 4th from 9th. Very clustered middle where just a couple right changes could've moved them from the bottom to the top of that pack.
- 6/11, or 54.54%, of picks went to the underdog this week.
- 5/11, or 45.45%, of picks were correct this week, which is the exact same number as last week. Fascinating!
- HBO wins the Muper and wins the ATS season, with an impressive 7-3 record. WTP remains in the bottom half, in 12th place.

This is typically the part where I would transition into the spreads for the week, but there's no more games. Instead, I'll provide some season-long statistics.

- There were 68 games of minors this season.
- 28 of those games, or 41.18%, of those games were won by the favorite. So, pretty even, but also notably different than 50-50.

- That means that 40 games were won by underdogs. Of those games, 17 of them, or 42.5%, was when the underdog lost the overall cap diff, but covered the spread. The other 23, the underdog won outright.
- Next, let's talk about cap diff. Throughout the entire season, the total amount of caps in the spreads was 405. The largest week was week 5, with 83.5 total cap diff in the spread.
- Then, week 6 had 64.5 cap diff, week 4 had 51.5, week 1 had 46.5, week 3 had 39.5, and week 2 had 24.5.
- The Fibonacci 15 had 57.5, the Equidistant Eight had 23, the Foci Four had 13, and the Muper had 1.5
- With the amount of games each week being different in the playoffs, we need to look at averages. Week 5 is still king with 9.28 cap diff per matchup, then the Fibonacci 15 with 8.21, week 6 with 7.17, Foci Four with 6.5, Equidistant Eight with 5.75, week 4 with 5.72, week 1 with 5.17, week 3 with 4.39, week 2 with 2.72, and the Muper with 1.5.
- That's just the cap diff from the spreads. How did the games actually turn out?
- The overall cap diff for the season was 594. That's a pretty big number. The amount of total cap diff in the spreads only accounted for 68.18% of all total cap diff in the season.
- I feel like that's not too interesting of a statistic though. Now, we're going to look at this in relation to the cap diff from the spread. So for example, if team A is -3.5 vs team B and team A wins by 6, team A's cap diff is 2.5 If team B wins by 6, their cap diff is 9.5. If team A wins by 2, team B's cap diff is 1.5.
- The cap diff in relation to the spread is nearly the same as the actual cap diff at 562. Does this mean I suck at setting spreads? In other words, 562 "unexpected" captures happened that the spread did not account for. Since every spread has half a capture, the lowest possible cap diff in relation to spreads is 34. That is, if every game came within half a cap of the spread. So, maybe the more accurate number of "unexpected" captures is 528. Still, a very high number.
- I'm not sure which of those numbers to roll with, but I'll stick with the 562, since it is at the end of the day the real number. So, which weeks were the spreads most disconnected from the actual results? Week 1, understandably, had the biggest discrepancy, with the spreads missing by 92.5 caps. Next is week 4 with 88.5, then week 2 with 87.5, then week 3 with 74.5, then week 6 with 64.5, then week 5 with 61.5. In terms of averages, it's actually the Foci Four with the

biggest discrepancy per game at 11, then the first 4 weeks, then the F15, then the final 2 weeks, then the E8 and finally the Muper.

- For the season, the average cap diff relative to the spread was 8.26. That means with every matchup, you could expect whatever number I put as the spread to be off by 8.26 captures. That seems very grim on my end.

- Here are the 5 matchups in which the actual cap diff had the greatest difference from the spread.

1. Week 4: HBO (-9.5) vs BBS, 31.5 caps above the spread (HBO wins)
2. Week 3: BBS (-2.5) vs OPH, 24.5 caps above the spread (OPH wins)
3. Fibonacci 15: OPH (-11.5) vs TCT, 20.5 caps above the spread (TCT wins)
4. Week 1: BTW (-4.5) vs BTP, 18.5 caps above the spread (BTP wins)
5. Week 6: PPG (-5.5) vs MIC, 17.5 caps above the spread (MIC wins)

- Here are the 5 matchups in which the actual cap diff had the least difference from the spread.

T1. Week 6: MRV (-2.5) vs BTP, .5 caps above the spread (BTP wins)
T1. Week 6: NUC (-5.5) vs BBS, .5 caps above the spread (BBS wins)
T1. Fibonacci 15: MRV (-7.5) vs ICP, .5 caps above the spread (ICP wins)
T1. Fibonacci 15: HBO (-12.5) vs BTD, .5 caps above the spread (HBO wins)
T1. Equidistant Eight: ROT (-3.5) vs HGB, .5 caps above the spread (HGB wins)

- I think that's all the relevant data analysis that can be done with the cap diff and spreads themselves. Now, let's move into guessing stats.

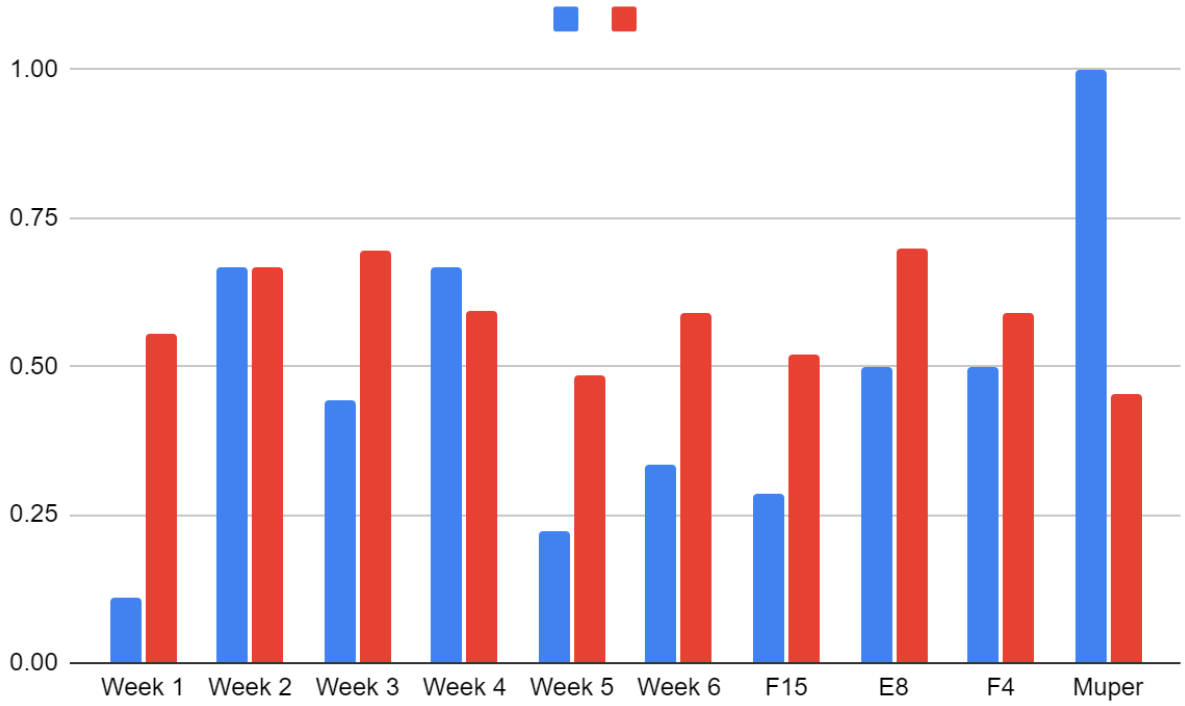
- 136 teams were picked ATS this season.

- In total, 794 picks were made. There were 802 possible picks, but participants missing games (notably Russ in the E8 and 3 people in week 6 ICP vs TGB) makes the actual total slightly lower.

- In total, 471 picks, or 59.32%, of the picks went to the favorite. That leaves 323 picks, or 40.68%, to the underdog. This is fascinating. I didn't expect the percentages to be that lopsided, I thought maybe the favorites would have 55% at MOST. However, as was mentioned earlier, the underdogs won 40/68 of the matchups.

- bbb makes this next calculation easy. The total number of points available this season was 90. bbb, who picked the favorite every week, finished with 42.57 points. If someone had picked the underdog every week, they'd finish with 47.43 points, which would be good for 5th place.

- But let's dig into the favorites vs underdogs a little more. The Equidistant 8 was the biggest week for favorites, with 70% of picks being for the favorite. That is followed by week 3 with 69.44%, week 2 with 66.67%, week 4 with 59.26%, Foci Four with 59.09%, week 6 with 59.05%, week 1 with 55.56%, Fibonacci 15 with 51.95%, week 5 with 48.60%, and finally the Muper with 45.45%. Notably, 8/10 weeks saw a majority of players picking the favorite.
- Let's express two data points visually.



- In this chart, the blue represents the percentage of games the favorite won in that week, and the red represents the percentage of picks that went to the favorite. The correlation coefficient for these two variables is -0.022. This means there is essentially no relationship between the % of games won by the favorite and the % of picks that went to the favorite. Another logical thing that is still notable is the consistency of the red bars vs the variance of the blue bars. It makes sense that about the same amount of people would pick the favorite each week, but the actual results are way more up in the air.
- Next up to analyze is how lopsided each individual matchup was in selecting the favorite vs the underdog. In a balanced world, 50% of people pick each team because the spread is as fair as possible, but obviously that doesn't actually happen. What distribution of picks was the most common? I'll just copy paste this data for ease. The # picks for the favorite is the left number, the

picks for the underdog is the middle number, and the frequency of each occurrence is the right number.

9	3	9
5	7	9
6	6	8
8	4	7
10	2	5
6	5	5
11	1	2
8	2	2
7	4	2
5	6	2
8	3	1
7	3	1
5	5	1
5	4	1
4	8	1
3	9	1
2	10	1
2	9	1

- Interestingly, the 9-3 for favorites ties for first most frequent. I wish that each week had the same number of picks to it so that there wouldn't be so many single occurrence points, but alas. The most common playoff occurrence was 6-5 to the favorites. Thankfully, we avoided any 12-0 or 0-12s. Two 11-1s (and yes the team with 11 picks actually won the matchup both times). Interestingly, for the 5 10-2 occurrences, the team with only 2 picks won 3/5 times.
- I think that's all we can do in terms of picks analysis. We transition to points analysis, which is similar, but slightly different due to playoff picks being worth more points than regular season picks.
- There were 90 points available for each player. With flaccid skipping playoffs, the maximum number of points that were available in total was 1046.

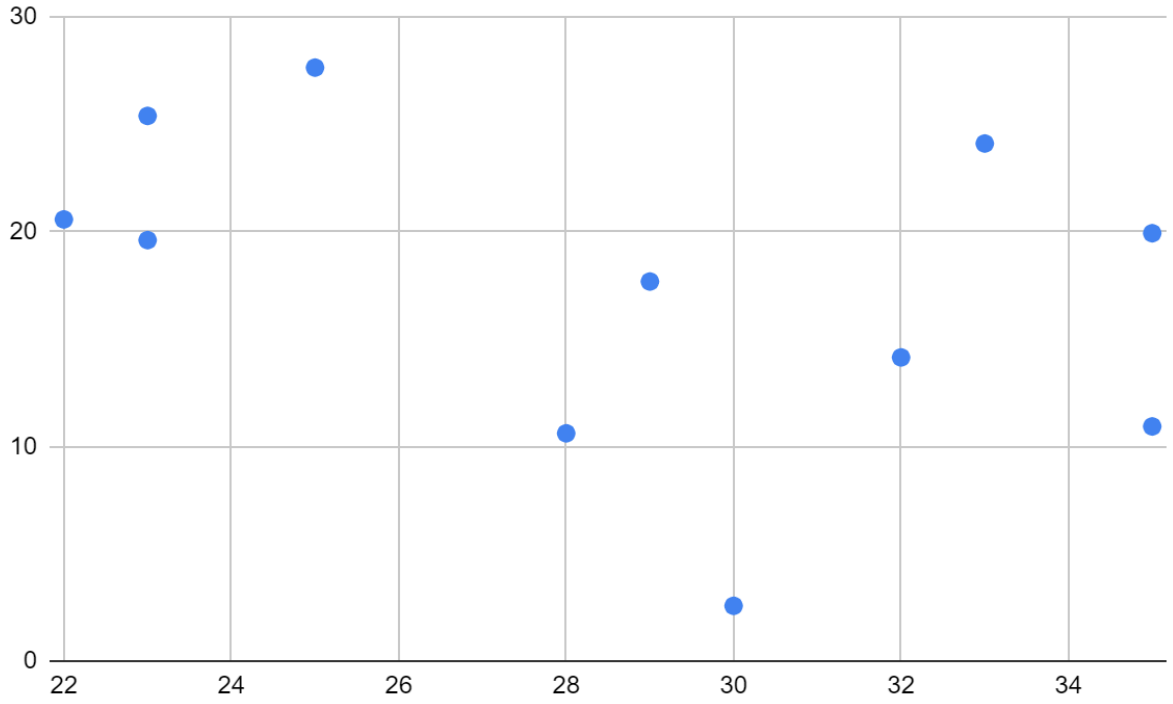
- There were 535.18 total points scored this season. This means that 51.16% of total possible points were achieved. This is a remarkable number. In a perfect world it is 50%, and this number is quite close.
- In the regular season, 648 points were available, and 342 were scored. This is 52.78% of the total.
- In the playoffs, 396 points were available, and 193.18 were scored. This is 48.78% of the total.
- People did the best in week 4, with the average participant scoring 5.5 points. Next was week 5 at 4.92, then week 3 at 4.75, then Equidistant Eight at 4.70, then Fibonacci 15 at 4.76, then weeks 1 and 2 at 4.67, then Foci Four and Muper at 4.09, then week 6 at 4.
- In the regular season, this is all the single week scores achieved, and their frequencies (score, frequency).

6	14
5	14
4	13
7	11
3	11
1	4
2	3
8	2

- Should we be surprised that there weren't any weeks where someone got all picks correct or all picks incorrect in the regular season? Let's find out. To start, let's roll with the assumption that each pick has a 50% chance of being right (a shaky standard, but one we are pretty much forced to use). Think of it as a coin flip where heads is win and tails is loss. There are 2 possible outcomes, so the odds of winning happening 9 times in a row is 2^9. So the odds of either all picks being a win or a loss is 1/256 (don't worry, this is simple enough where I googled it and got this answer). There are 12 participants who participate every week. So, each week, you run that 9 coin flip test 12 times, so the odds of it hitting 9 wins or 9 losses increases by 12x, or 12/256. There are 6 weeks, so you multiply it again by 6, and you get 72/256, or 28.125%. So no, we should not have expected any weeks to have 0 or 9 picks correct in the regular season.
- In the playoffs, this is all the single week scores achieved, and their frequencies (score, frequency).

4.5	11
0	10
9	7
6.75	4
6.428571429	3
5.142857143	3
3.857142857	3
2.571428571	2
2.25	1

- Now we look at how much success in the regular season correlated to success in the postseason.



On the x axis is the score in the regular season, and on the y axis is that player's score in the playoffs.

- The correlation coefficient for these data is -0.384. This means that there is a weak negative relationship between regular season score and playoff score.
- In terms of overall point scoring, I think that's all that is relevant. Now, let's move into individual player's performances. We will look at a number of different things for each player. First, let's look at how constant everyone's performances were. For this, we'll use standard

deviation. Here is the standard deviation for everyone's points. A lower standard deviation means that the player scored a more similar amount of points each week.

waterwheel= 2.561897

Russ= 2.4191414

coos= 2.4054466

Homie= 2.3106039

bbb= 2.2108729

Rick= 2.1916353

d4nk= 2.0652648

Button= 2.0631887

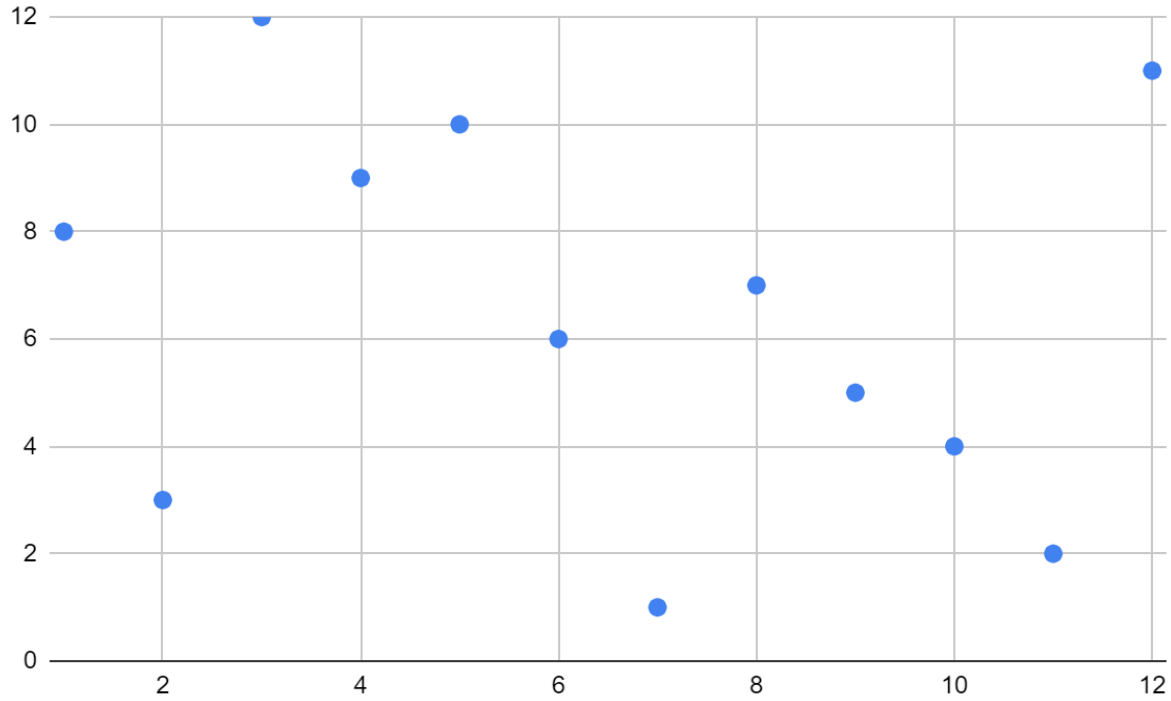
jazz= 2.0512098

Nameless= 2.0062434

flaccid= 1.979057 (remember no playoff points)

Borgus= 1.963974

- What is the relationship between the standings in standard deviation in weekly scores and overall standings?



The x axis is each player's final standing position, and the y axis is the standard deviation rankings (highest standard deviation is plotted as 1 on the y axis).

- The correlation coefficient is -0.2308, which means that there is a weak negative relationship between a high points score and a high weekly standard deviation. However, when flaccid trip is removed (low points score due to not playing in playoffs), the correlation coefficient jumps to -0.5203, which means in reality, there is a moderate negative relationship between a high points score and a high weekly standard deviation. As points increase, SD decreases, which makes sense: you want to have consistently high scores instead of scores that go all over the place. I'm not qualified to comment on the differences in SDs and whether it is that large.
- The next thing is what % of each player's total points came in the regular season. Here is that data:

flaccid	100
Russ	92.10526316
waterwheel	76.20528771
Homie	72.52543941
Rick G. #853	69.3498452
coos	63.71911573
NameLEss	62.12700842
Button	57.78611632
d4nk	53.98155909
bbb	51.67785235
jazz	47.52767528
Borgus	47.48982361

A balanced player would have had 60% of their points in the regular season. So, I don't think these numbers are too crazy.

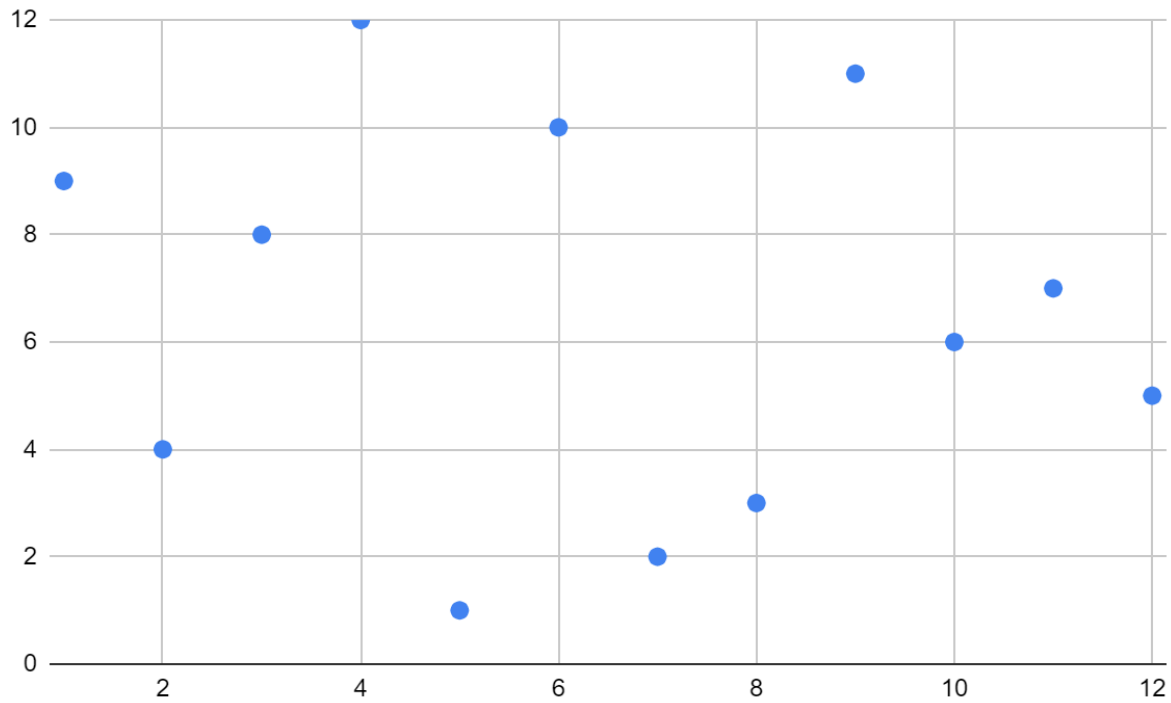
- Now, let's do an analysis of players and the teams they picked. How much did each player pick the favored team?

Here is that data.

	fav	ud	total	% of picks for fav
bbb	68	0	68	1
jazz	49	18	67	0.7313432836

d4nk	47	21	68	0.6911764706
flaccid	35	19	54	0.6481481481
Button	43	25	68	0.6323529412
Homie	40	28	68	0.5882352941
coos	39	29	68	0.5735294118
Borgus	38	30	68	0.5588235294
Russ	34	29	63	0.5396825397
Rick	31	37	68	0.4558823529
waterwheel	27	40	67	0.4029850746
Nameless	20	47	67	0.2985074627

- What is the correlation between picking a higher % of favorites and the final standings placement?



The x-axis is the ranking of the players, with the lowest % of picking favorites being at 12, and the y-axis is the standings, with the lowest scoring player being at 12.

The correlation coefficient is -0.1329. This means that there is a very very small negative correlation between picking a lot of underdogs and doing poorly in the overall score. This makes

sense, since underdogs won a majority of the games, players who relied on underdogs more would finish higher.

- Now, how many times did each player pick each team to win and lose? There's way too much data for this one, so I'll just post a link to a sheet that has that data.
https://docs.google.com/spreadsheets/d/1jxahzd2rIXKGLfJ1chDjCy75buVAlED3pwQmFLTyroY/edit?usp=sharing

- What's most interesting regarding this data is all the zeroes. Jazz never picked BBS, Borgus never picked BTW, bbb and flaccid always picked HBO, jazz always picked HFB, Rick never picked HFB, d4nk and flaccid never picked MIC, water and Homie never picked TGB, and Homie always picked WTP.

- I'm not sure what other relevant summary stats can be done with this sheet. There's so many possibilities of analyses can be done, but like, none that are too telling imo.

- Finally, let's talk about the performance of the teams themselves. The team records are already on the sheet, but what was their cap diff compared to the spread? Here's those numbers.

HBO 50
WTP 27.5
MRV 25.5
TCT 12
CBS 9.5
ROT 7
HFB 6.5
BTP 4.5
OPH 3.5
BTD -1.5
MIC -3
PPG -4.5
BTW -5
NUC -11
HGB -14.5
ICP -25.5
TGB -30

- The last thing I was going to look at is how many times each team was favored and how many times they were the underdog, but bbb picking all favorites every week means we can just look at the amount of times he picked each team as the number of times they were favored.
- Ok. I THINK that is it. I cannot think of any other statistic regarding anything that was done in this season of ATS that was worthy of analyzing. I hope everyone read that, that took a while.

Jarvis' Corner:

- I'm writing this on April 3 and I did not watch the muper. It's crazy how frequently teams come back from 3-1 down. Everyone clowned on GSW for losing that series to CLE in 2016. Now, it's commonplace. But this was an expected result, a close battle between the two top teams all season. No blowouts besides game 6, and a close final score. Congrats to HBO on the win. Flaccid had a strong draft, their cheap guys played way above their worth, kelvin balled out, and they got through a midplayoff substitution due to Hawaii.
- Usually I don't talk about irl stuff until later but I need to jump in now. How are people so dumb? We've been going over this simple concept about measurement for like 3 days and he just asked the class to summarize 3 main points about a type of measurement and everyone was fucking it up and I got it right. I am writing this point in real time as he is talking. Jesus.
- Let's look back at my preseason rankings. How predictable was this season? I had WTP 2nd, HGB 3rd, HBO 4th, and HFB 5th. All of those teams did quite well and I would say my predictions were very good. BBS at 7 and TGB at 8 were big misses, and BTW was too high at 11. Underestimated BTP at 13th and MRV at 15th big time, and OPH at 17 and CBS at 18 overperformed my doomer expectations. But overall, I would say that I got this season pretty accurate.
- Kind of pointless to do o and d player of the week, but I guess it goes to goat and bergie, looks like they slightly better than their expensive counterparts based on eus.
- Crazy that WTP makes it to the championship every time.
- Is this the end of NALTP? My interest in playing tagpro has certainly bottomed. I like this statistical stuff and the community more than the gameplay. I'll never not sign up, but I think this time, the league is ACTUALLY dying. No one wants to be CRC. Weird shit runs rampant in the discord. People scrim at record low numbers. No one plays tpm. Summer is coming. If this is the end of modern NALTP, so be it.

- Comparing awards to my predictions. Had anti for MVB, HD won, anti in 2nd. Expected. Had Vader for OBOS, he won. Had HD for DBOS, he won. Had kelvin for well rounded, he was 2nd, omni won. Had Logi for MIP, he was 2nd, goat won. Had goat for best valued, he was 2nd, omni won. Had omni for position change, he won. Had Marcus for OROS, he won. Had Werth for DROS, he was 3rd, steve won. So, not that bad on awards. Everyone who won deserved. But they dont matter anyways. Who cares what you are voted.
- This is the official conclusion of season 32 of North American League TagPro.
- It's been 2 weeks since I have said anything about irl. A lot happened, let's go.
- I love it when the professor picks on people who aren't paying attention and asks them simple questions. They get so flustered and end up either silent or saying idk. It's your fault, you idiots!
- Electronically, I am struggling a little. This computer is only 15 months old and starting to struggle. It dies after like 90 minutes of being unplugged, it can be slow (including rn) to type, sometimes the option to connect to wifi disappears, and pages have been reloading more and more. My phone is like 4+ years old and I love it, but the battery is also becoming quite week. I don't even go on it that much and I struggle to make it through my long day. My headphones are broken and have duct tape on both sides to hold them together. I want to upgrade, but I don't wanna pay for new stuff. Especially not this computer. The phone, I'm hoping it lasts through the end of college. The headphones, I have a bunch of arcade points at mohegan sun that I can get a new set of the next time I go.
- My best friend's dog had to be put down after nearly 14 years of life. May she rest in peace.
- Oh yes, MARCH MADNESS! I was sad that I wasn't home for the first week of games, but I got to watch most of them without distraction. I love going in random classrooms and using the computer in there and my laptop to rotate and watch 2 games at once. Now, I use the projector to watch the games on a larger screen. How about uconn? Has there ever been a more dominant team in college ball? I hadnt watched the women all year til the s16 and now they have a shot (albeit kinda low) of winning it too. 2004 and 2014 both uconn men and women won it. Now it is 2024. See? My bracket is tanked, like most. Good for nc state. My favorite game of the first weekend was oregon creighton. A back and forth battle of elite shot making and double overtime (although ot2 was lame).
- It's crazy how fast you go through alcohol. Had a whole bottle of Tito's and we went through 2/3 of it and it didnt even seem like people had that much. Beer and seltzers are such a scam. My

theory is that all alcohol tastes bad, so you should take the highest concentration of alcohol available so you have to drink less liquid to get the same level of drunk.

- Zodiac obsessors are so weird. I was at my coworkers house and she spent like an hour explaining the different houses and phases and analyzing my birth chart. “Oh your neptune is in virgo in the 5th house so you need to find creativity at a later age”. Like, what? The concept is actually such bullshit. I asked her to explain why some planet being in some sign in some house translates to a principle like that, and she said “I don’t know how they reached that conclusion, and I don’t want to know.” Essentially, admitting that she has no way of verifying whether this stuff has some backing or is complete nonsense. It’s complete nonsense.
- Bert came to oswego and stayed 2 nights. It was pretty fun. He’s such a nerd. He brought some book about can you prove a hypothetical claim because its in another world. But the dude is a genius. He’s good at basketball, beat me in some game on a pool table where you have to throw the balls into each other, beat me in poker, beat me in some fencing game, seemed to fit well with my friends, and was a very cool guy. Everyone besides one person thought that we had already met. No shot I was saying yeah this is a dude from tagpro that I’ve never met. My friends thought he was a little weird.
- I went on air again as the sports anchor and kinda trolled. On the watchback it wasn’t as bad as I thought it was, but not my best performance. Its crazy that they make you come 3 hours early for a 3 minute segment and before you do it it seems like so much excess time but somehow I need even more time than that to not be rushed.
- Freshmen girls are so problematic. Ditching me and my friend who are all part of the same “close friend” group in the lounge to claim youre going to sleep and then partying in one of their rooms? Fuck ‘em. I’m not trying anymore. Same shit happened last year. Here is a valuable lesson: do not go on a mad goose chase for people who clearly do not want to spend time with you. Countless examples where they have made that clear. It’s unlucky, but I have other cool and real friends.
- I love reading people’s essays and making grammatical suggestions. How do people not know how to write in college? No one can use commas. No one can use sentence structure. But the most annoying thing is when they put two spaces in between words by accident.
- So those freshmen girls and my real good friend went to Buffalo on Friday. We first went to Niagara Falls, which was cool (but not as sick as I thought tbqh). Only there for an hour because

they were cold. Weaklings. We ate at some pizza place in Buffalo with the most colorful menu ever. I had chicken parm pizza, it was solid. There was some weird statue that was a girl with a shark head. Then the weaklings wanted to sit in the car for 45 min before the sabres game started. I met selfy before the game started. Was very brief, but very cool. My first NHL game, and it was ok. I don't really care about the teams in hockey. It was a decent event. The car rides (2.5 hours) were solid.

- Saw my friend who I was a lot closer with last year on Sunday and we talked and smoked. My first time high in like 5 months, it was great. It cheered me up big time. I didn't even smoke that much. I went for my walk around campus after and it was great. Ran into my friend near the end of it and she was drunk. Yay for Sunday night/Monday morning substance use!
- Went to a birthday party which I thought was gonna be lit but was lame af. This guy is a big drinker and I thought we were gonna have fun. But no, 20 weird fucking people (and 1 dog) gathered in a lounge for 30 minutes with 3 cakes and no forks. If I had known what it was going to be, I would not have gone.
- It's crazy how long it takes girls to put on makeup. Allocating like 25 minutes to your appearance daily is nuts.
- I controlled the teleprompter on last night's news and I FIXED this one anchor. Previous 2 weeks, she was so bad. Stumbling, fumbling, misspeaking, backtracking, mispronouncing. Based on my observations of the previous teleprompter dude, I made some changes, which was to make the text move slower and to keep the part she was reading in the center. And boom, it worked. I'm a genius.
- THIS IS THE END OF MINORS SEASON 32 AGAINST THE SPREAD. THANKS TO ALL WHO PARTICIPATED AND READ. WE WILL LIKELY BE BACK NEXT SEASON. GOODBYE.