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@nehapriya / BONK Analysis

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Q1: Daily Unique Wallets

```
SELECT
  block_date,
  COUNT(DISTINCT from_owner) + COUNT(DISTINCT to_owner) AS daily_unique_wallets
FROM tokens_solana.transfers
WHERE symbol = 'BONK'
GROUP BY block_date
ORDER BY block_date;
```

Query results Q1

block_date	daily_unique_wallets
2022-12-30 00:00	8941
2022-12-31 00:00	8706
2023-01-01 00:00	19319
2023-01-02 00:00	40238
2023-01-03 00:00	47724
2023-01-04 00:00	66370
2023-01-05 00:00	91299
2023-01-06 00:00	60836
2023-01-07 00:00	26040

696 rows Search...

Page 1

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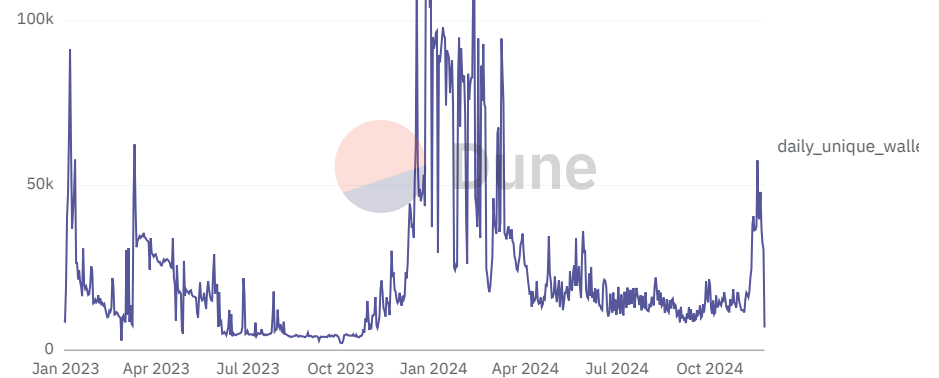
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Q1: Daily Unique Wallets Making Transactions in BONK

1.This is line chart to describe the daily unique wallets transactions on BONK.

2.Insights: We can see how many different participants are interacting with the BONK daily. For the line chart, we can see a growing number of unique wallets indicates an expanding user base, and these users always increase mostly in January.

Q1



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Q2: Weekly Average Transaction Size

```
SELECT
  DATE_TRUNC('week', block_date) AS week,
  AVG(amount) AS avg_transaction_size
FROM tokens_solana.transfers
WHERE symbol = 'BONK'
GROUP BY 1
ORDER BY week;
```

Q2: Weekly Average Transaction Size

1.This is the bar chart to describe the weekly average transaction size on BONK.

2.Insights: From this figure, we can find the weekly trend of users' trading behavior, users tend to trade with others in January. Moreover, even though weekly average transaction size keep fluctuating, we can find it becomes larger over time, indicating community is growing.

Query results Q2

week	avg_transaction_size
2022-12-26 00:00	27571409835872.254
2023-01-02 00:00	9357903227000.113
2023-01-09 00:00	11227051905243.264
2023-01-16 00:00	6860431849209.007
2023-01-23 00:00	6182169422179.359
2023-01-30 00:00	3752222207203.4053
2023-02-06 00:00	2190751318877.3462
2023-02-13 00:00	2875196279316.2856
2023-02-20 00:00	1702304201570.0415

100 rows

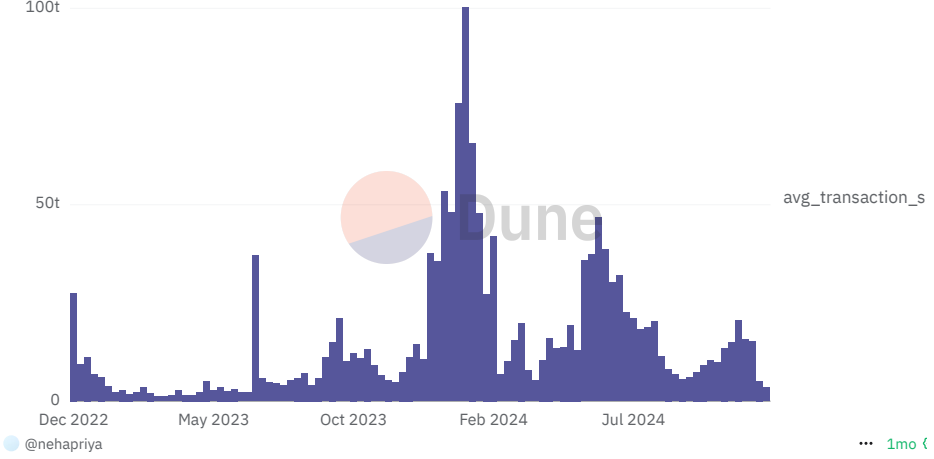
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Q2 Q2



Q3. Query results Q3

day	daily_transaction_volume
2024-01-24 00:00	150882565671036072051
2024-01-19 00:00	144994390508559467863
2024-01-25 00:00	106274558027214475434
2024-01-23 00:00	103263884360941227837
2024-01-05 00:00	102858875441401669219
2024-01-29 00:00	85511346998468769857
2024-01-04 00:00	84965647999441621236
2024-02-07 00:00	77042721255459101231
2024-01-10 00:00	72550662210057014522

10 rows

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Q3: Top 10 Days by Transaction Volume

- 1.This the table result shows top 10 days with highest BONK transaction volume.
- 2.Insights: BONK's peak trading periods are around January and February, mostly on January, indicating users tend to trade at the beginning of the year.

Q3: Top 10 Days by Transaction Volume

```
SELECT
  block_date AS day,
  SUM(amount) AS daily_transaction_volume
FROM tokens_solana.transfers
WHERE symbol = 'BONK'
GROUP BY block_date
ORDER BY daily_transaction_volume DESC
LIMIT 10;
```

Query results Q4

holders	total_holdings
7rhnLV8C77o6d8oz26AgK8x8m5ePsdeRawjqvojbjnQ	1851393375019183220216
FbonD3DipzRweh2Z65EVjp5wJvVnFrv89RAvp3XvtWZE	1148931437460347090982
J6vHZDKghn3dbTG7pcBLzHMnXFoqUEiHVAFfZxojMjXs	1025482458442000000000
ob2htHLoCu2P6tX7RrNVtiG1mYtas8NGJEVLafEUnGk	292007700921412272706
phxBcughCYKiYJxx9kYEkyqoAUL2RD3vyxSaL1gZRNG	222919766952920306055
AxjdyLn3FPWUtGSaH7CPopyABv1XPQMifB3Kp37JNhME	156785526406641053038
7WQX98Awmbn6keR2vVHdZ3dfwzaLuUyAnr2DZ4rGhh3o	117406627576600000000
849xB5ngq5uhGijB12xLZVqnvJish1PTxH6XG31NCwRF	70139446673000000000
6DuuYaiaD1m7cnaG0fmxo2c6hm4Med13ivUoluo9cmED	67114060566550000000
10 rows Search...	
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Q4: Top 10 Whales in BONK

- 1.This table shows top 10 whales who have the highest holdings of BONK.
- 2.Insights: These account holders are identified as potential whales, and these holders can make great impact on BONK trading even though they are only a few of them.

Q4: Find Whales (Top Holders)

```
SELECT
  to_owner AS holders,
  SUM(amount) AS total_holdings
FROM tokens_solana.transfers
WHERE symbol = 'BONK'
GROUP BY 1
ORDER BY total_holdings DESC
LIMIT 10;
```

Query results Q5

wallet_address	tran_count	pct
J6vHZDKghn3dbTG7pcBLzHMnXFoqUEiHVAFfZxojMjXs	48874865	9
ASx1wk74GLZsxVrYiBkNKiViPLjnJQVGxKrudRgPir4A	46735017	8
7rhnLV8C77o6d8oz26AgK8x8m5ePsdeRawjqvojbjnQ	42405842	8
FbonD3DipzRweh2Z65EVjp5wJvVnFrv89RAvp3XvtWZE	41839648	7
AxjdyLn3FPWUtGSaH7CPopyABv1XPQMifB3Kp37JNhME	30921085	5
phxBcughCYKiYJxx9kYEkyqoAUL2RD3vyxSaL1gZRNG	28231892	5
51Cdt3oASXuVD88tAqJEeR6XH3PjQQ3xb7Cd22KaW2GK	25889612	4
3oQLKk1TyyXMT14p2i8p95v5jKqsQ5qzZGwxZCTnFC7p	25755415	4
6h2h+ULoCv2B6+V7BvMN4tiG1mVTaG0MGJEVLAFfEUnGk	17502271	3
10 rows Search...		
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Q5: Most Active Wallets in BONK

- 1.This table shows top 10 wallets who have the highest number of transactions of BONK.
- 2.Insights: These account holders are identified as most active wallets. From their percentages in total number of transactions, we can get the conclusion that even a few wallets can drive most of volume(only ten wallets drive roughly 53% of total volume).

Q5: Most Active Wallets





Q3. Most Active Wallets

```
WITH wallet AS(
SELECT symbol, from_owner AS wallet_address FROM tokens_solana.transfers WHERE symbol = 'BONK'
UNION ALL
SELECT symbol, to_owner AS wallet_address FROM tokens_solana.transfers  WHERE symbol = 'BONK')
SELECT
    wallet_address,
    COUNT(*) AS tran_count,
    (COUNT(*)*100/(SELECT COUNT(*) FROM wallet)) AS pct
FROM wallet
GROUP BY 1
ORDER BY tran_count DESC
LIMIT 10;
```

Final Conclusion

Based on the analysis of these five queries, I conclude that the popularity of the BONK meme coin is sustainable to some extent. Firstly, the number of wallets trading BONK and the transaction sizes have been increasing over time, suggesting positive community growth and higher trading volume. However, there is a centralization risk present. Whales and the most active wallets control over half of the total tokens, giving them the potential to manipulate the BONK market through large transactions. To mitigate price volatility and improve liquidity, it is crucial for BONK to decentralize.

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