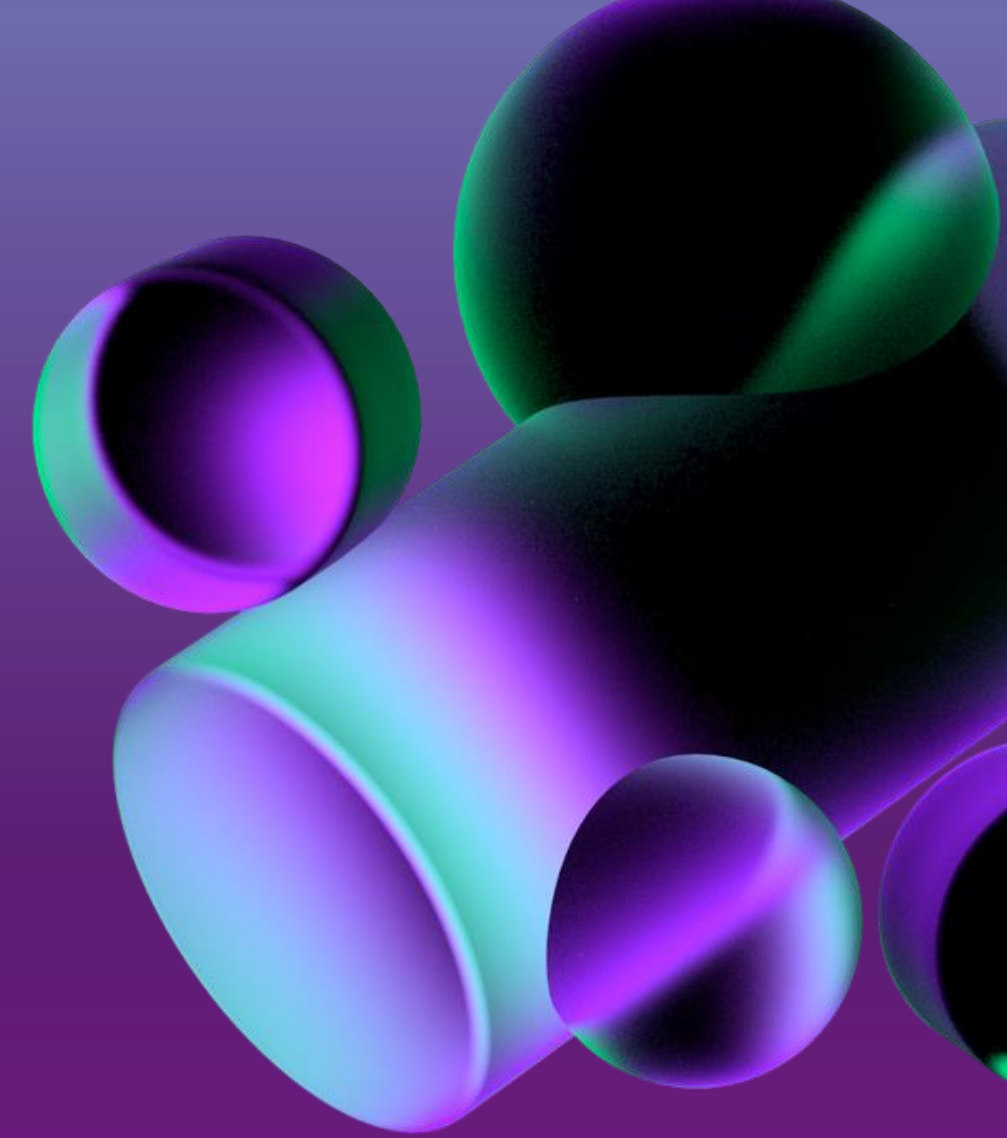




Abschlusspräsentation

Friederike Marby und Paula Möller

29. Juli 2022



AGENDA

01

Vorgehen

02

Demo Dashboard

03

Lessons Learned

04

Quellen

01 Vorgehen



Fragestellungen erfassen



Dashboard Design entwerfen



Daten abfragen & analysieren



Daten visualisieren



WHEN DO TRANSACTIONS FAIL?

<https://app.flipsidecrypto.com/dashboard/solana-when-do-transactions-fail-8kRGaX>

Do times of high **transaction volume** lead
between transaction volume and success
more likely to fail?

STABLECOIN POPULARITY

<https://app.flipsidecrypto.com/dashboard/stablecoin-popularity-UOlq-v>
<https://app.flipsidecrypto.com/dashboard/solana-stablecoin-popularity-VQy5SN>

Create a visualization comparing **USDC**,
the Solana ecosystem? How do you expect

01

Vorgehen – Fragestellungen erfassen



When do
Transactions
fail?



Stablecoin
Popularity



Active Wallet
Growth



Solana Fees



٪ of Solana
Staked



Solana TPS



L1 Unique
Users

01 Vorgehen



Fragestellungen erfassen



Dashboard Design entwerfen



Daten abfragen & analysieren



Daten visualisieren



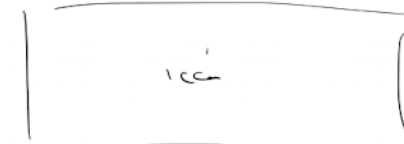
Logo Solana Insights

Solana ist ein Proof-Of-State Blockchain mit Proof-Of-History. Sie bietet unterschiedliche Vorteile im Gegensatz zu anderen Blockchains



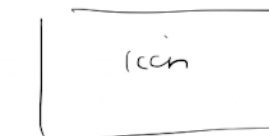
Schnelligkeit

(6) Solana TPS
Fragestellungen aufnehmen



Geringe Kosten

(4) Solana Fees
Fragestellungen aufnehmen



Wallets/Nutzung

(3) Active Wallet
Growth

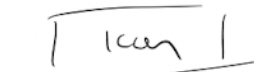
(7) L1 Unique Users

Werte History des Coins

(2) Shitcoin Popularity

(5) % of Solana Staked

Kontroversen → kurzer Text



(1) Transaction Fails

01 Vorgehen



Fragestellungen erfassen



Dashboard Design entwerfen



Daten abfragen & analysieren



Daten visualisieren



My Workspace Discover Bounties

SQL 7. L1 Unique Users new
friema a month ago

Search All Objects

- > FLIPSIDE_PROD_DB >>
- > FLOW >>
- > ETHEREUM >>
- > OPTIMISM >>
- > ARBITRUM >>
- > AVALANCHE >>

Run

```
1 select terra.date, terra.terra_wallets, solana.solana
2 from (select block_timestamp::date as date, count(distinct
3   FROM flipside_prod_db.terra.transactions
4 group by DATE) as terra full outer join
5
6 (select block_timestamp::date as date, count(distinct
7   FROM solana.core.fact_transactions
8 group by DATE) as solana on terra.date = solana.date
9
10 (select block_timestamp::date as date, count(distinct
11   FROM ethereum.core.fact_transactions
12 group by DATE) as ethereum on terra.date = ethereum.date
13 order by date
```

Vorgehen – Daten abfragen & analysieren

Flipsidecrypto Tabellen

- solana.fact_transactions
- solana.fact_transfers
- solana.fact_events
- flipside_prod_db.terra.transactions
- ethereum.core.fact_transactions

SQL Abfragen

```
select block_timestamp::date as date,  
       count(tx_id) As transactions,  
       count(case when event_type = 'delegate' then  
tx_id END) AS staked_transactions,  
       count(case when event_type = 'delegate' OR  
event_type = 'deactivate' OR event_type='split'  
OR event_type = 'merge' then tx_id END) AS  
staked_involved_transactions  
from solana.fact_events  
group by DATE  
order by date
```

01 Vorgehen



Fragestellungen erfassen



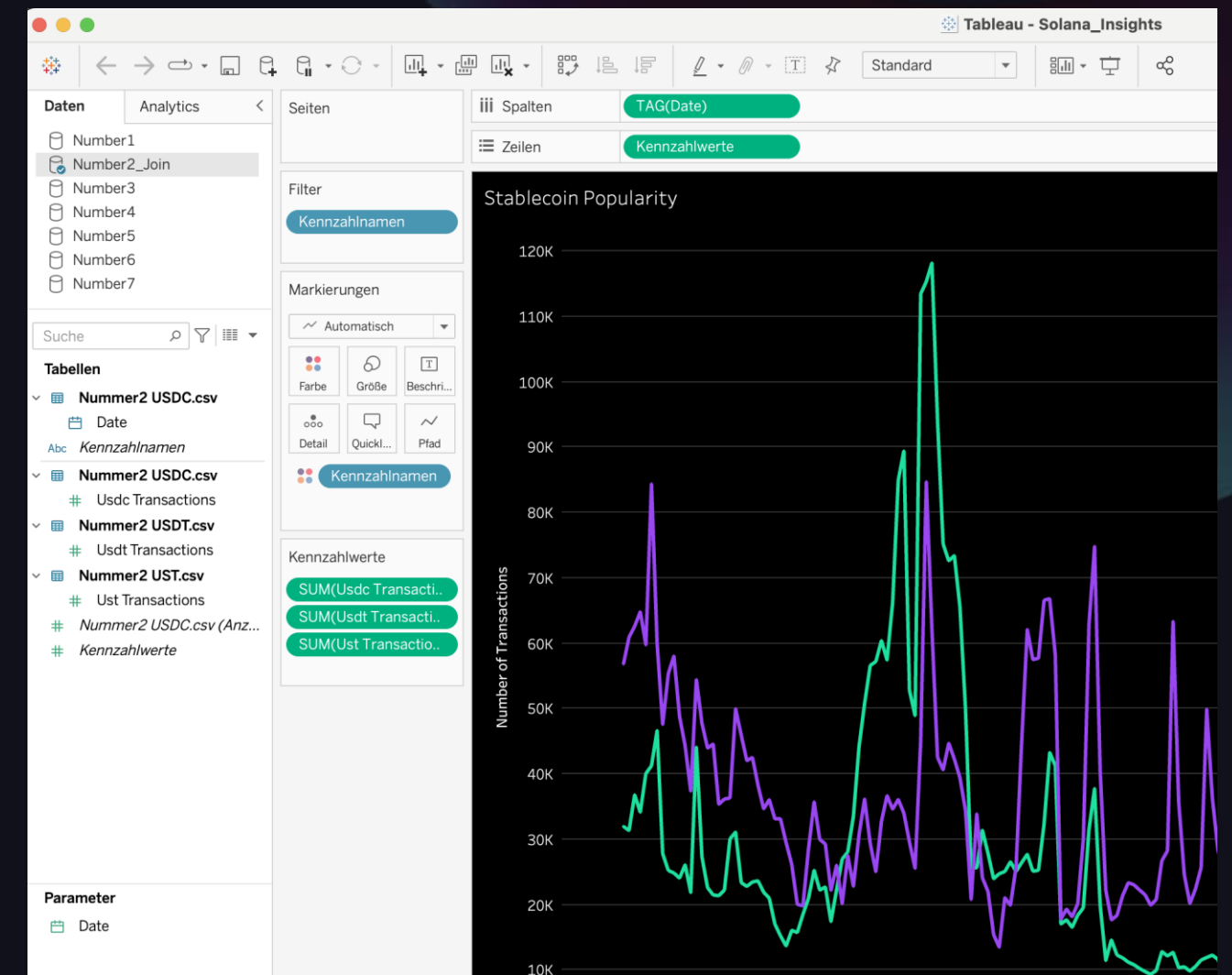
Dashboard Design entwerfen



Daten abfragen & analysieren



Daten visualisieren





SOLANA INSIGHTS

Solana is a 3rd generation Proof-of-Stake blockchain. The blockchain uses a combination of the Proof-of-Stake consensus mechanism and the Proof-of-History mechanism. It offers different advantages compared to other blockchains and aims to solve the blockchain trilemma of security, decentralization and scalability. Two major advantages of Solana are highlighted below.

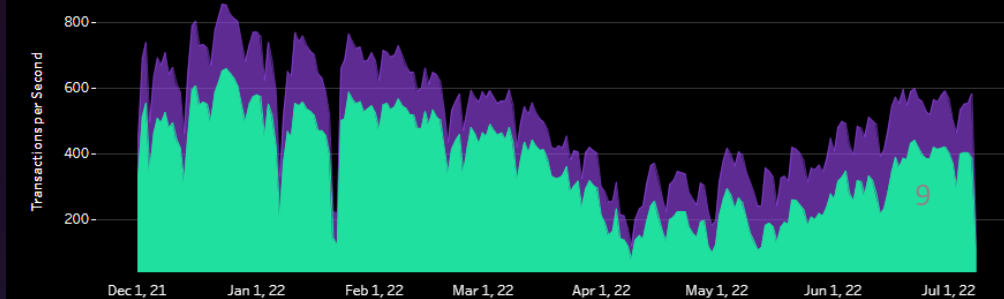


High Transaction Speed

The battle for a scalable solution is the blockchain's moon race. For instance Bitcoin processes 7 transactions per second. Visa does around 24,000 transactions per second on average whereas Solana can reach up to 50,000 transactions per second. The potential for adoption is there but...

How fast is Solana really?

Solana Transactions Per Seconds (TPS)



Legend

TPS Non-Votes

TPS Successful

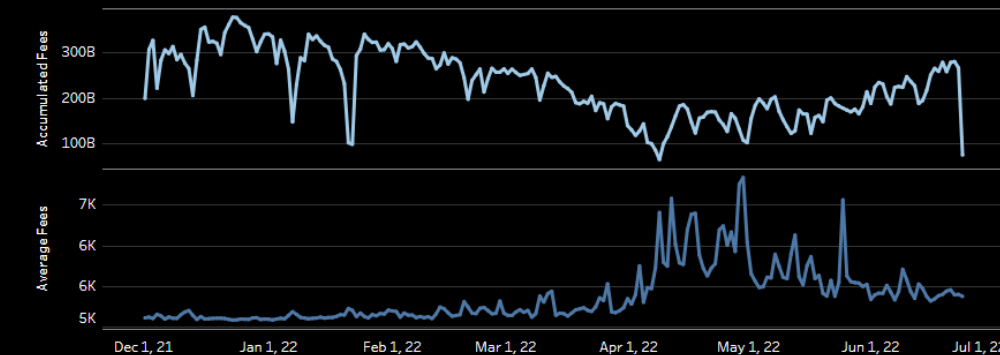


Low Transaction Fees

A SOL is the name of Solana's native token which can split into fractional SOLs, which are called lamports (1 Lamport = 0.000000001 SOL). The two lines show the *average fees* of all transactions per day and the *accumulated fees* as the total amount of paid fees per day over time.

How much do transactions on Solana cost anyway?

Solana Transaction Fees in Lamports



03 Lessons Learned



Erkenntnisse über Solana und weitere Blockchains



Auffrischen der SQL Kenntnisse



Kennenlernen und Nutzung von Tableau

04 Quellen

- <https://public.tableau.com/en-us/s/>
- <https://flipsidecrypto.xyz/>
- <https://docs.flipsidecrypto.com/our-data/tables/solana-tables>

Vielen Dank!