had been stopping vehicles, most with no license plates. but said later that there was no See MINNESOTA on Al0 ►

Protesters fled as police moved in aggressively with tear gas during a peaceful protest near the Fifth Precinct station in Minneapolis on Saturday night.

Walzdecries extremis Decentralized act Checking BY STEPHEN MONTEN montemayor@startribu

Authorities trying to make ense of the wanton destruc-

lews Platform Paul for the past three truggling with aburr

Few answers emerged Satirday after Gov. Tim Walz and s many as 80% of the looters of George Floyd — an unarmed

ion in Minneapoli

Enpu You & Haeley Griffin

A protester is helped by others outside the Fifth Precinct in south Minneapolis.

and MIGUEL OTÁROLA Star Tribune staff writers

Minneapolis apartment building started desperately warning one another with shouts and pounding a little before 4 a.m. Saturday as the city suffered through perhaps the in Minnesota's largest city. worst night in its history.

screaming, 'Fire, fire, fire,'" ing was in imminent danger. lives with Brandon Byers in the building near the intersec-

Immediately next door, separated by only a few feet. a building containing O'Reilly Auto Parts and a Family Dollar store was on fire - one of hundreds that burned as a spread to more neighborhoods

Lizz Brazen was awake and to call 911, then helped orga-See CITIES on A9 >

Photo illustration: Sarah Grillo/Axios. Photo: Star Tribune via Getty Images

Weight of unrest

Leaders speak to the pain, beg for peace

Project Overview

- A news platform that integrates third party fact checking as well as crowdsourced evaluations.
- Distributed contents: each block contains articles with evaluations from third parties (Google Fact Checking API) and users.
- Each evaluation counted as mining & transaction: users incentivized to participate in discussion.
- Finding consensus among peers: variance, standard dev, and average.



Illustration: Sarah Grillo/Axios

Motivation

- Social media has become many people's main source of news and information.
- Content moderation is one of the most challenging tasks on current social platforms.
- The underlying trust issue:
 the rise of misinformation and
 disinformation erodes public
 trust in the most fundamental
 institutions.



Illustration: Rebecca Zisser/Axios

Demo

```
enpuyou Enpus-MacBook-Pro at ~/cmpsc/390s20/project-agua-fresca on main x
> pipenv run python src/blockchain.py
ecc3e0e80e48af9c78cec2a446399b2a98ecda6dbf7ef6446cfbf3730feff804
  - 4c4b77fe3fc6cfb92e4d3c90b5ade42f059a1f112a49827f07edbb7bd4540e7b
        e8bcd97e349693dcfec054fe219ab357b75d3c1cd9f8be1767f6090f9c86f9fd
          — 2215e8ac4e2b871c2a48189e79738c956c081e23ac2f2415bf77da199dfd920c
          — fa61e3dec3439589f4784c893bf321d0084f04c572c7af2b68e3f3360a35b486
       9c769ac26f8d61ff40859e5201537845555136f0fd7ab604f7033180fbe76af9
         — 906c5d2485cae722073a430f4d04fe1767507592cef226629aeadb85a2ec909d
        - 11e1f558223f4c71b6be1cecfd1f0de87146d2594877c27b29ec519f9040213c
    2b15ae188149206a75850e6df845ea642d44912413c660181856a0929afc8838
    L 2b15ae188149206a75850e6df845ea642d44912413c660181856a0929afc8838
         — 53304f5e3fd4bcd20b39abdef2fe118031cc5ae8217bcea008dea7e27869348a
        _____ 3bf9c81c231cae70b678d3f3038f9f4f6d6b9d7adcf9b378f25919ae53d17686
{'hash': '00d0ff3cdb8f71cfacd1f7d6a51ad72393eee548587bc92337d27c92a667daef',
 'index': 1.
 'news': {'mean': 3.5,
          'review': Γ'False',
                     'Pants on Fire',
                     'False'.
                     'False'.
                     'False'.
                     'No Evidence',
                     'Distorts the Facts'.
                     'Distorts the Facts',
                     'Conspiracy theory',
                     'Mixture'],
          'stdev': 1.8708286933869707,
          'value': 'coronavirus is a hoax'},
 'nonce': 53.
 previous_hash': '00b4e25096f94b227c0955cb2f331f08b55bd05c7694e089782e1ec6e8727f30'
 'timestamp': '2021-02-08 07:01:01.298233'.
 transactions': 'ecc3e0e80e48af9c78cec2a446399b2a98ecda6dbf7ef6446cfbf3730feff804'
```

User evaluation Third party compares to Avg. user evaluation	High Variance (Spread out evaluation)	Low Variance (Centered evaluation)
Agrees	Consensus between overall user and third parties; dispute among users	Consensus
Disagrees	No consensus	Consensus within user groups yet not with third parties

Ideal Scenario

"Bigger Picture"

- Real-world scenario:

Twitter birdwatch

"a community-driven approach to address misleading information"

 Fully functioning social media platform:

informed but not moderated

- Incorporate centralized solution: fact checking ML model for efficiency
- Extend the discussion on opinion v. truth

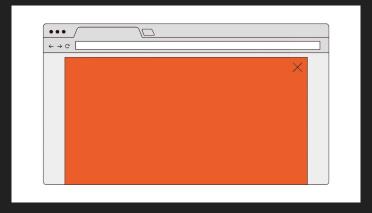


Illustration: Caresse Haaser, Rebecca Zisser/Axios