



# Rensselaer

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## Deciphering Crypto Twitter

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May 24, 2024

# Outline

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1 The rise of cryptocurrency

2 Methodology

3 Results

4 Takeaways

5 Acknowledgements

# The rise of cryptocurrency

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- Bitcoin was released in 2009.

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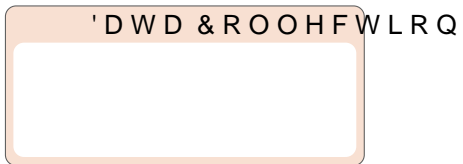
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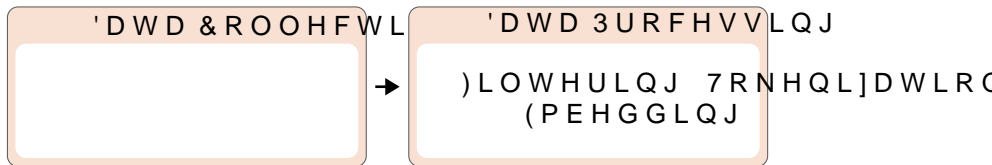
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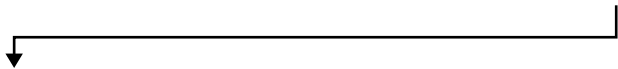
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# &OXVWHU ,GHQWLILFDWLRQ

- % (57 HPEHGGLQJV UHGXFHG WR GLPHQVLRQV XVLQJ  
DXWRHQFRGHU  
± \$OORZV IRU EDWFKHG WUDLQLQJ ± GRHV QRW UHTXLUH ORDGLQJ DOO  
PHPRU\ DW RQFH
- . 0HDQV ZLWK HOERZ PHWKRG ± LGHQWLILHG FOXVWHUV
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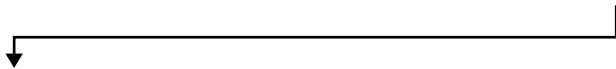
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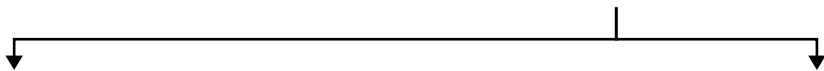
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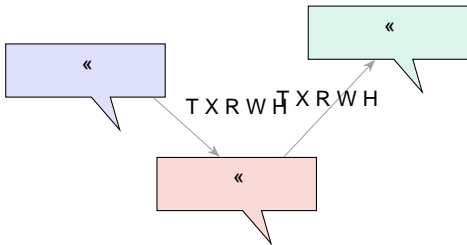
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# 1HWZRUN & RQVWUXFWLRQ

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7ZHHW 4XRWH	
7ZHHW 5HSO\	
8VHU 4XRWH	
8VHU 5HSO\	

- 1RGHV 8VHU 7ZHHW
- (GJHV 5HSO\ 4XRWH

# 1HWZRUN & RQVWUXFWLRQ

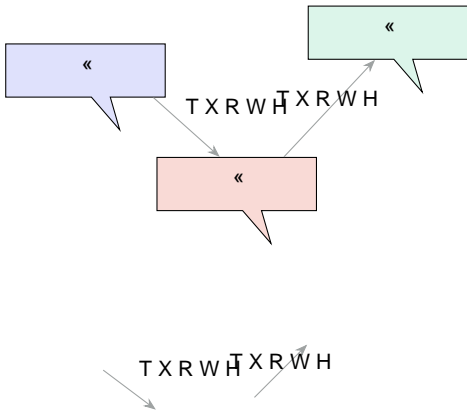


*UDSK 7\SH1RGHV	(GJHV
7ZHHW 4XRWH	
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8VHU 4XRWH	
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- 1RGHV 8VHU 7ZHHW
- (GJHV 5HSO\ 4XRWH



# 1HWZRUN & RQVWUXFWLRQ



*UDSK 7\SH1RGHV	(GJHV
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7ZHHW 5HSO\	
8VHU 4XRWH	
8VHU 5HSO\	

- 1RGHV 8VHU 7ZHHW
- (GJHV 5HSO\ 4XRWH

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● \$FNQRZOHGJHPHQWV

● 5HVXOWV

&ROOHFWHG 'DWD

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&ROOHFWHG 'DWD

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- &ROOHFWLRQ EHWZHHQ 1RY  
1RY

# &ROOHFWHG 'DWD

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- &ROOHFWLRQ EHWZHHQ 1RY  
1RY
- &ROOHFWHG 0 WZHHWV

# &ROOHFWHG 'DWD

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- &ROOHFWLRQ EHWZHHQ 1RY  
1RY
- &ROOHFWHG 0 WZHHWV
- 0 DIWHU VSDP ILOWHULQJ

# &ROOHFWHG 'DWD

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- &ROOHFWLRQ EHWZHHQ 1RY  
1RY
- &ROOHFWHG 0 WZHHWV
- 0 DIWHU VSDP ILOWHULQJ  
± 5HPRYHG UHWZHHWV UHSHWLWLYH VSDP WZHHWV

# &ROOHFWHG 'DWD

- &ROOHFWLRQ EHWZHHQ 1RY
- &ROOHFWHG 0 WZHHWV
- 0 DIWHU VSDP ILOWHULQJ  
± 5HPRYHG UHWZHHWV UHSHWLWLYH VSDP WZHHWV

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B/	8QLTXH , ' RI WZHHW
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mb2`XB/	8VHU ,'
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BMn`2THvniQnbi imBnBW	ZHHW EHLQJ UHSO
BMn`2THvniQnmb 28VBU ,'	RI WZHHW EHLQJ



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&U\SWR &RQV	SLUHW	SMFS KWWS VLJQDO MXVW HYHQW KDSS
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,QWHUHVWHG	SQRPRWR	HU XVHU FU\SWR SULFH UROO KWWS E

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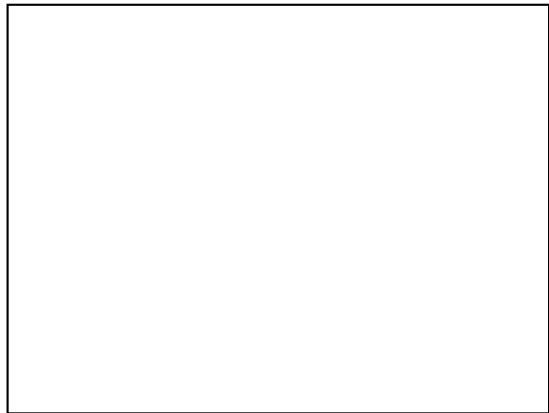
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# 7ZHHW 1HWZRUN

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WHP ZLOO JURZ VWURQJHU

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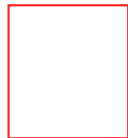
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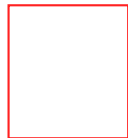
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# Takeaways

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## Good News

- Sentiment polarity can be traced back to real-life events.
  - Can social media be used to track such events?
- Communities of users with positive outlook still exist.

## Bad News

- Large bot presence – many accounts that are now deleted.

# Takeaways

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## Good News

- Sentiment polarity can be traced back to real-life events.
  - Can social media be used to predict such events?
- Communities of users with positive outlook still exist.

## Bad News

- Large bot presence – many accounts that are now deleted.
- Identifiable ring of bot accounts pushing certain narratives.



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