







PANACEA: An automated misinformation detection system on COVID-19

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CONTENTS

Contribution

Architecture

Interface









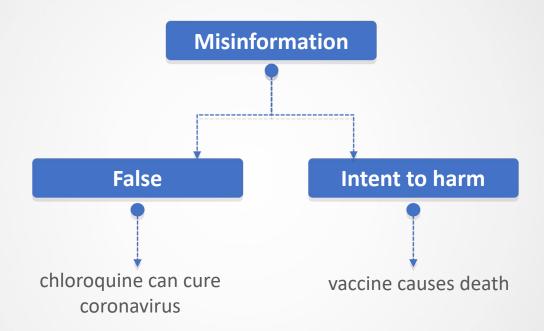
Motivation











Those misinformation can strongly influence human behaviour and negatively impact public health interventions, so it is vital to detect misinformation in a timely manner.

RELATED WORKS











- Intent to harm COVID-19-Tweet-Analysis, TwitterTrail, COVIDSenti Rarely noticed type of misinformation
- No veracity assessment
- Limited data









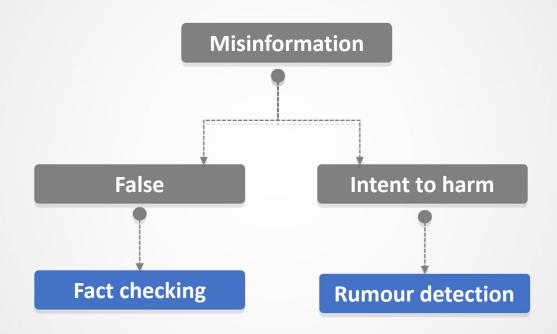
O2Contribution



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CONTRIBUTION















- Automated veracity assessment
- Ranked supporting evidence
- Supported by the novel NLI-SAN model
- Quick response

- Automated rumour detection
- Meta-information visualisation
- Supported by model using propagation structure
- Updated database with streaming COVID-19 related tweets









03 Architecture

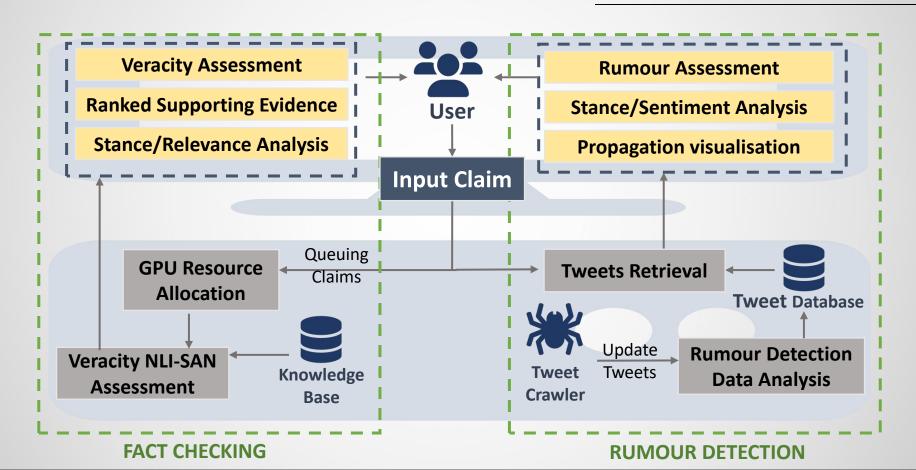
SYSTEM STRUCTURE



















04 Interface

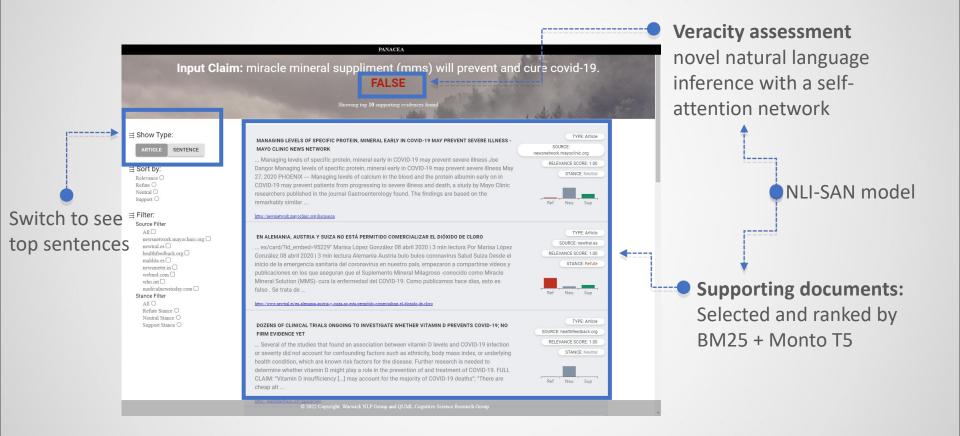
FACT CHECKING





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FACT CHECKING











Filter or re-rank by metadata

FACT CHECKING





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Managing levels of specific protein, mineral early in COVID-19 may prevent severe illness - Mayo Clinic News Network

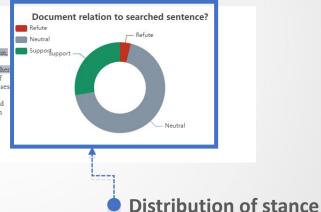
Full document in newsnetwork mayoclinic org. | Share to

Article related to: miracle mineral suppliment (mms) will prevent and cure covid-19.

Document Content:

Managing levels of specific protein, mineral early in COVID-19 may prevent severe illness Joe Dangor Managing levels of specific protein, mineral early in COVID-19 may prevent severe illness May 27, 2020 PHOENIX — Managing levels of calcium in the blood and the protein albumin early on in COVID-19 may prevent patients from progressing to severe illness and death, a study by Mayo Clinic researcher published in the journal Gastroenterology found. The findings are based on the remarkably similar clinical features and autopsy results of patients who died of COVID-19 and patients whose organ failure resulted from the release of unsaturated fatty acid caused by other illnesses says lead researcher Vijay Singh, MBBS, a gastroenterologist at Mayo Clinic in Arizona. The receptor for the COVID-19 virus has been

albumin are consumed by unsaturated fatty acids generated from the fat breakdown process and the remaining unsaturated fatty acids the injure vital organs, which can eventually lead to death," he says. Supplementing serum calcium and albumin to maintain normal levels starting early and continuing throughout a COVID-19 infection may help bind and neutralize unsaturated fatty acids and prevent organ failure while giving the patient time to fight and clear the infection, Dr. Singh says.



Top 3 relevant sentence are highlighted

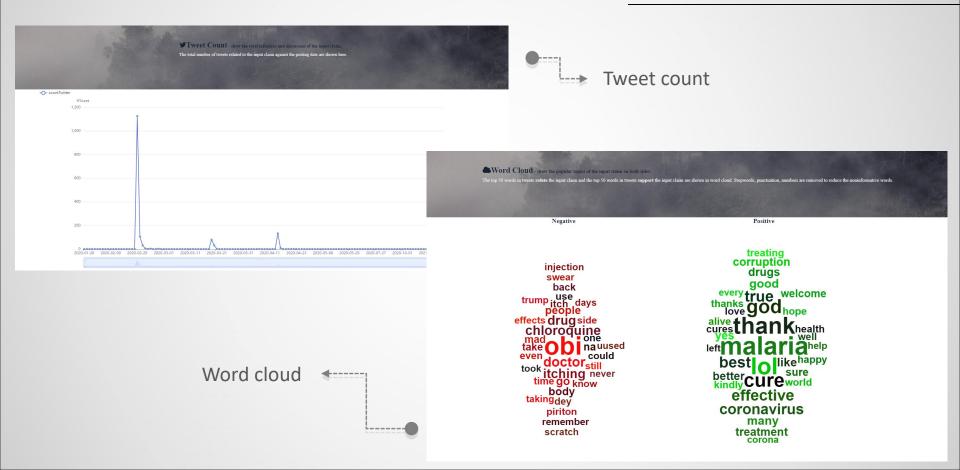
RUMOUR DETECTION





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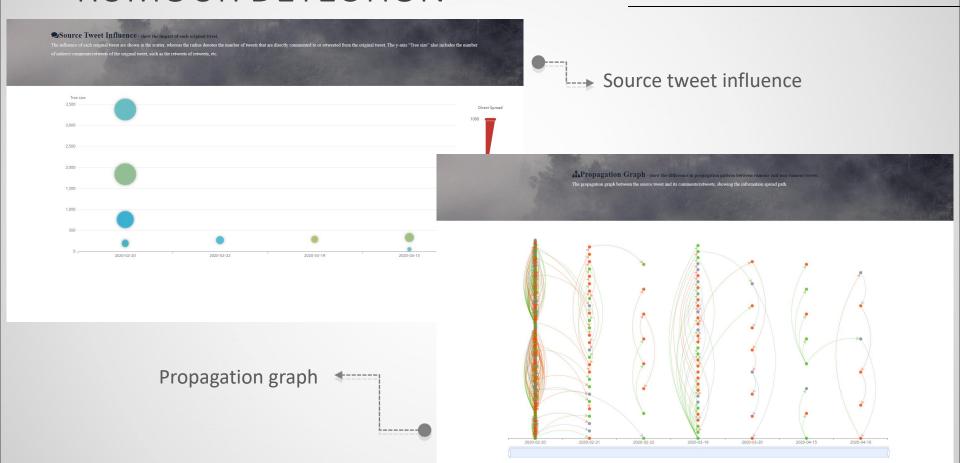
RUMOUR DETECTION











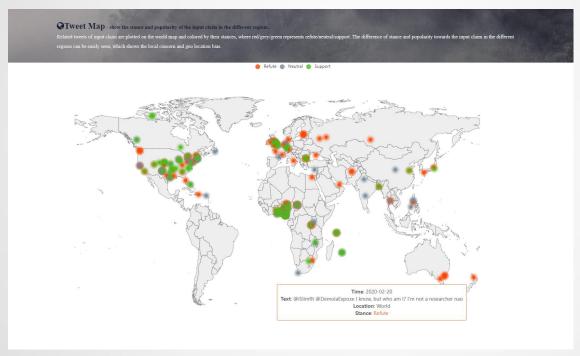
RUMOUR DETECTION





















QUESTIONS?

Demo: https://panacea2020.github.io/workshop.html