

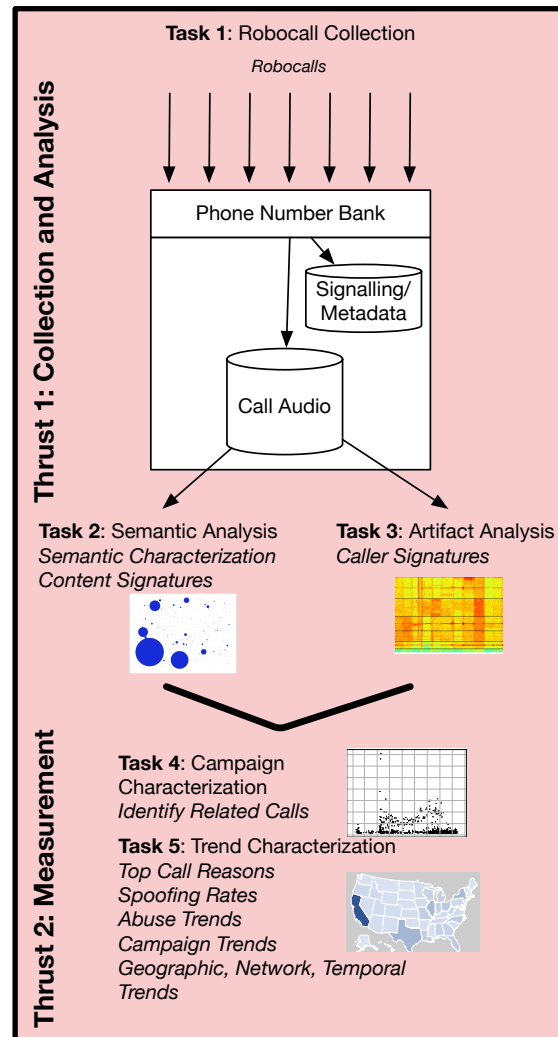
CRII: SaTC: Techniques for Measuring and Characterizing Robocalls

Challenge:

The goal of this work is to develop techniques to characterize and measure robocalls, which will lead to better defenses for consumers.

Solution:

- Develop and evaluate new infrastructure to collect robocalls
- Develop techniques to identify characterize campaigns
- Develop techniques to measure Caller ID spoofing, fraction of abuse-related robocalls, and track number of robocalls longitudinally



Scientific Impact:

This project will systematically evaluate robocall collection strategies, identify how to develop signatures of individual robocalls using signal processing techniques, then use those signatures to characterize the campaigns that place those calls.

Broader Impact:

Robocalls are a massive problem for American consumers and enterprises, and while legal policies like the Do-Not-Call list have failed to meaningfully stop the spread of robocalls to-date, this work will provide insights that will lead to better detection and prevention of these calls.

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NSF Project CNS-1849994
1 May 2019 – 30 April 2021 (Estimated)