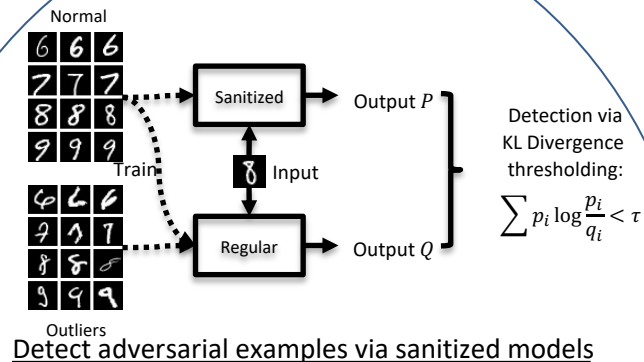


# SaTC: CORE: Medium: Collaborative: Towards Robust Machine Learning Systems

## Challenges:

- Lack of fundamental understanding of machine learning models
- Hard to measure the boundary of machine perception

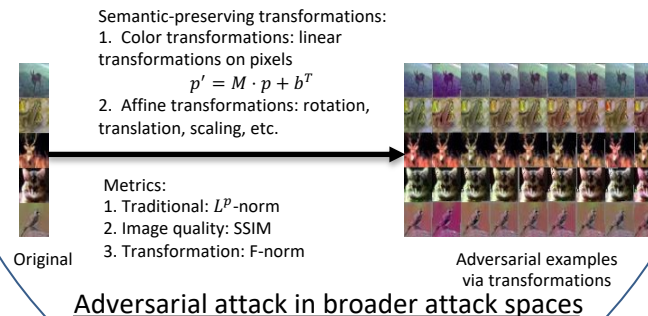


## Scientific Impact:

- Help real-world assessment of adversarial threats and build systems with better performance-robustness trade-offs
- Facilitate related research topics such as interpretable and privacy-preserving ML

## Solutions:

- Study the relationship between dataset quality and model robustness
- Explore larger attack spaces in real-world scenarios



## Broader Impact:

- Make sources public for courses and research, with particular efforts to include students from underrepresented groups
- Support high school outreach programs and summer camps

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