

# Introduction....

## Identify the event-specific features

- It's equivalent to measuring the difference among learned features on different events.
  1. Feature representation of posts are high-dimensional
    - Simple metrics like squared error may not be able to estimate.
  2. Feature representation keep changing during the training stage.
    - Required the proposed measurement mechanism to capture the changes of feature representations and consistently provide the accurate measurement.

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## Event Adversarial Neural Networks (EANN)

- Inspired by adversarial network, use the event discriminator to predict the event auxiliary labels during training stage, and the corresponding loss can be used to estimate the dissimilarities of feature representations among different events.
  - The larger the loss, the lower the dissimilarities.
- fake news takes advantage of multimedia content to mislead readers and gets spread
  - model needs to handle the multi-modal inputs