# Outline

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# Introduction
## Fake News Detection

- Roughly divided fake news detection into two categories:

  - Traditional learning methods

    - Extract features from news articles and train classifiers based on the extracted features

  - Deep learning models

    - Learning informative representations automatically

    - Usually <u>require a large amount of hand-labeled data</u> (i.e. $\hat{y} = 1$ or $0$)