

Experiments...

Baselines

- To validate the effectiveness of MVNN, choose several representative methods which are used to model the visual contents for fake news detection as baselines:
 - Forensics Features (FF)+LR (MediaEval, 2015)
 - Pre-trained VGG
 - Fine-tuned VGG
 - ConvAE (ICANN, 2011)

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Evaluation questions

- To evaluate the effectiveness, aim to answer the following evaluation questions:
 - **EQ1:** Is MVNN able to improve the performance of fake news detection based on visual modality?
 - **EQ2:** How effective are different domains and other network components: attention, Bi-GRU and branches in the pixel domain sub-network, in improving the performance of MVNN?
 - **EQ3:** Can MVNN help improve the performance of multi-modal fake news detection?