Experiments.
Dataset

- **Weibo dataset**

- Fake news posts: 2012.05 ~ 2016.01 verified by Weibo official rumor debunking system

- Real news posts: 2012.05 ~ 2016.01 from Weibo verified by Xinhua News Agency

  - removed duplicated and very small images

  - text-only posts are removed and only one image is saved for posts

- In total, this dataset includes <u>4749 fake news posts and 4779 real news posts</u>

- First use K-means algorithm to cluster all news into 200 clusters, and split whole dataset into **training set : validation set : testing set = 7:1:2**

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)