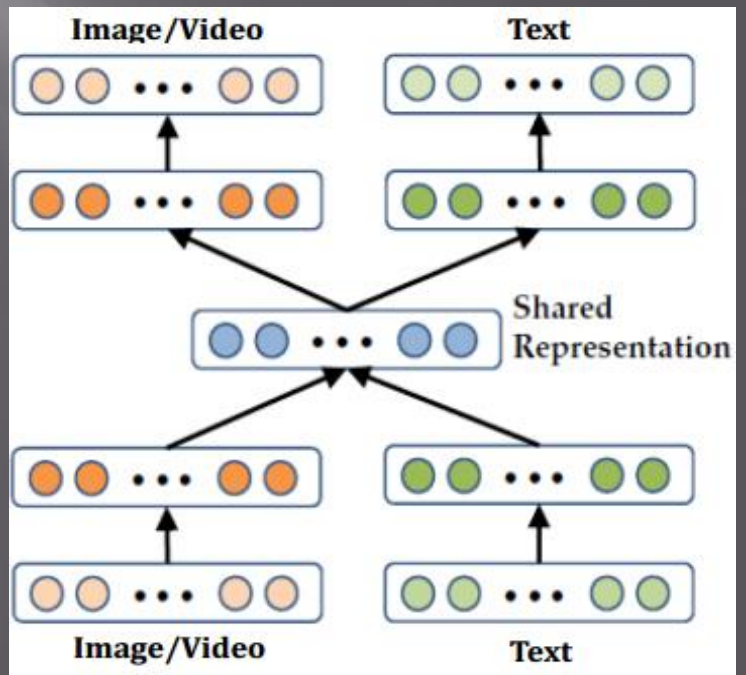
Deep Learning the Relationship between Visual and Textual Data

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Generating Tags

- Given an image
- Find 25 similar images
- Retrieve their tags
- Use the given image and retrieved tags as input to SDA
- Measure reconstruction error
- Take 5 lowest scores and their tags



Generating Tags

- Use error to get weights $w_i = e^{-error}$
- Tag for given image $tag = \sum w_i * tag_i$
- Generating tags is used in unimodal classification and retrieval

Unimodal Classification

- Code for experiment is done
- Ran last night to get results for today
- Program crashed
- Fixed the bug but the code is still running

Next Steps

- Pretrain model again
  - Results depend on this
- Run classification experiments again on new model
- Finish code for retrieval