:3XDDD

CS565600 - Deep Learning Contest 1

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FLOW PATH

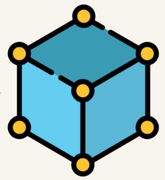
1. Generate Training / Testing Data.

2. Parsing sentences using Jieba.
   - Get the sentence vectors.

3. Feature Engineering.
   - 46 Columns.

4. ANN with 5 dense layers.

5. Softmax classification layer.



Pretrained Word2Vec Model: Downloaded from Formosa Grand Challenge, https://goo.gl/CrzuQN

FEATURE LIST

1. **WORD2VEC DISTANCE**
Distance between Q & A

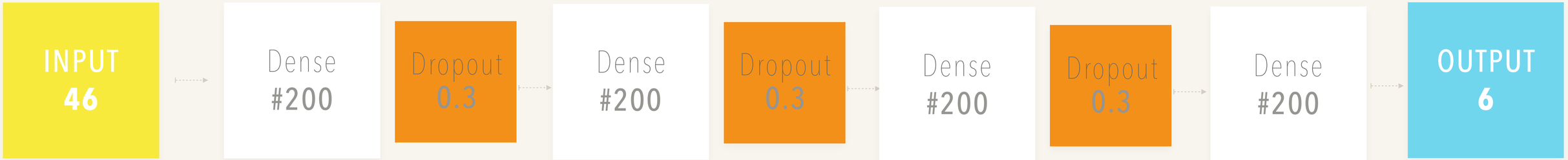
2. **WORD2VEC DISTANCE**
Distance between A & A

3. **NUMBER OF SAME STRING**
Stripping Dont-Want tokens

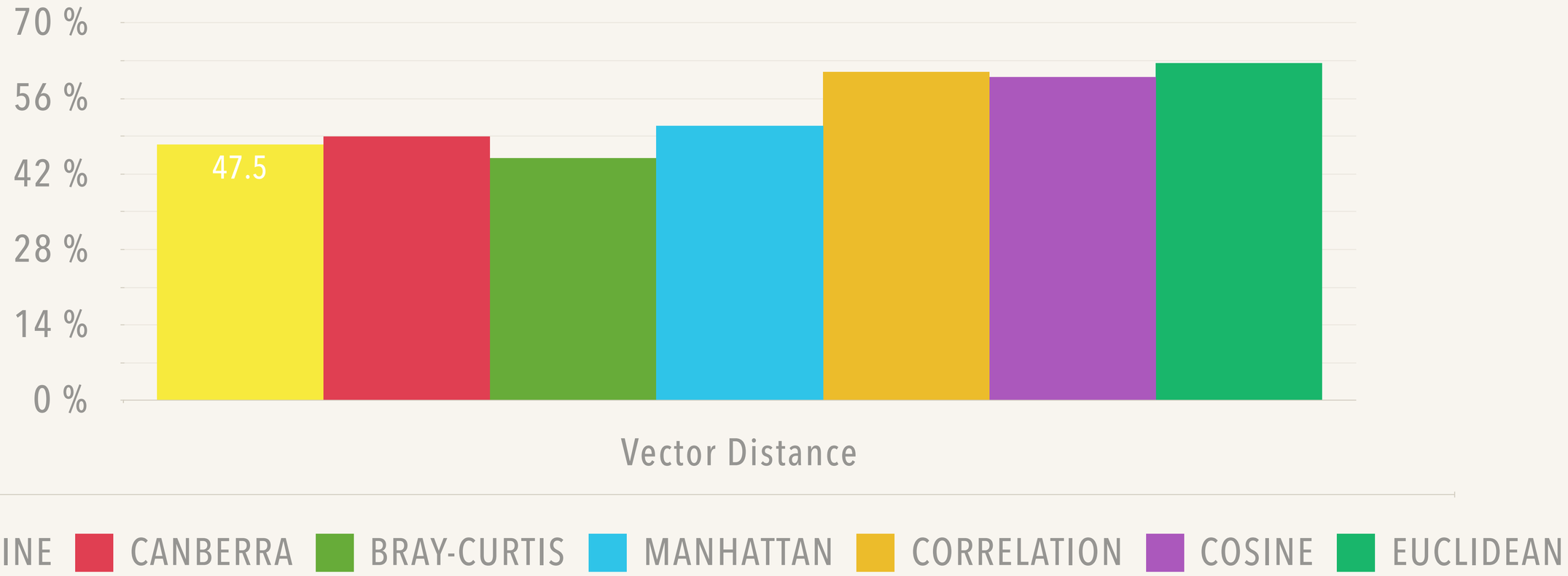
4. **NUMBER OF SAME CHAR**
Stripping Dont-Want tokens

5. **LATENT DIRICHLET ALLOCATION**
Discovering the abstract topics

NETWORK ARCHITECTURE



Optimizer	LR	Momentum	Decay
SGD	*0.1*	*0.8*	*0*

FEATURE PRUNING

Distance functions between two numeric vectors u and v. We consider functions provided in *scipy.spatial.distance*