

Way Forward



Figure 1 Examples of image-text alignment from Karpathy and Fei-Fei (2015).

- **Multimodal Data:** Consider variable modalities of speech communication, vision, sound, etc. Data from wearable devices, biomarkers in addition to data from speech conversation.
- **Flagship data generation:** We need more data for predicting patient outcomes from longitudinal studies, elicit data from different populations.
- **Open Data Policies** and flexible data access policy, reasonable data access process.
- **Scale to large and diverse populations:** Multilingualism and social aspects of communication.



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Artificial Intelligence Methods for Assessing Speech, Language, and Communication Functioning

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