



Department of Computer Engineering & Information Technology

Amirkabir University of Technology

# **Research & Technical Presentation in Engineering**

## Visual Question Answering

### Assignment 7

References Engineering

**Provided by**

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## Nature Style

1. Das, A., Agrawal, H., Zitnick, L., Parikh, D. & Batra, D. Human Attention in Visual Question Answering: Do Humans and Deep Networks Look at the Same Regions? *Comput. Vis. Image Underst.* (2017). doi:10.1016/j.cviu.2017.10.001
2. Zhu, Y., Lim, J. J. & Fei-Fei, L. Knowledge Acquisition for Visual Question Answering via Iterative Querying. *2017 IEEE Conf. Comput. Vis. Pattern Recognit.* 6146–6155 (2017). doi:10.1109/CVPR.2017.651
3. Yu, Z., Yu, J., Fan, J. & Tao, D. Multi-modal Factorized Bilinear Pooling with Co-attention Learning for Visual Question Answering. *Proc. IEEE Int. Conf. Comput. Vis.* **2017–Octob**, 1839–1848 (2017).
4. Wang, P., Wu, Q., Shen, C., Dick, A. & Hengel, A. van den. FVQA: Fact-based Visual Question Answering. *IEEE Trans. Pattern Anal. Mach. Intell.* 1–16 (2017). doi:10.1109/TPAMI.2017.2754246
5. Saito, K., Shin, A., Ushiku, Y. & Harada, T. DualNet: Domain-invariant network for visual question answering. *Proc. - IEEE Int. Conf. Multimed. Expo* 829–834 (2017). doi:10.1109/ICME.2017.8019436
6. Wu, Q. *et al.* Visual question answering: A survey of methods and datasets. *Comput. Vis. Image Underst.* **163**, 21–40 (2017).
7. Das, A., Kottur, S., Moura, J. M. F., Lee, S. & Batra, D. Learning Cooperative Visual Dialog Agents with Deep Reinforcement Learning. *Proc. IEEE Int. Conf. Comput. Vis.* **2017–Octob**, 2970–2979 (2017).
8. Yu, D., Fu, J., Mei, T. & Rui, Y. Multi-level Attention Networks for Visual Question Answering. *2017 IEEE Conf. Comput. Vis. Pattern Recognit.* 4187–4195 (2017). doi:10.1109/CVPR.2017.446
9. Kafle, K. & Kanan, C. Visual question answering: Datasets, algorithms, and future challenges. *Comput. Vis. Image Underst.* **163**, 3–20 (2017).
10. Ren, S., He, K., Girshick, R. & Sun, J. Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks. *IEEE Trans. Pattern Anal. Mach. Intell.* **39**, 1137–1149 (2017).