

Recopilación de referencias

October 1, 2020

1 Papers individuales

1.1 Show, Attend & Tell (Xu et al., 2015)

1.2 Automatic Generation of Medical Imaging Reports (Jing, Xie, and Xing, 2018)

- Image captioning with deep learning: (Vinyals et al., 2014)(Fang et al., 2014)(Karpathy and Fei-Fei, 2014)(Xu et al., 2015)(Krause et al., 2016)(You et al., 2016)(Liang et al., 2017)
- Hierarchical LSTM: (Krause et al., 2016; Liang et al., 2017)
- Co-attention: (Ba, Mnih, and Kavukcuoglu, 2014)(Xu et al., 2015)
- Datasets: (D. Demner-Fushman et al., 2016)
- Metrics: BLEU(Papineni et al., 2002), METEOR (Denkowski and Lavie, 2014), ROUGE (Lin, 2004), CIDEr (Vedantam, Zitnick, and Parikh, 2014)
- LSTM cannot effectively model long sequences: (Liu et al., 2015)(Martin and Cundy, 2018)

1.3 Feature Difference Makes Sense (Park et al., 2020)

- Image captioning with deep learning: (Vinyals et al., 2014; Xu et al., 2015; Karpathy and Fei-Fei, 2014; You et al., 2016)(L. Zhou et al., 2017)(Anderson et al., 2017)
- X-ray datasets: (Kougia, Pavlopoulos, and Androutsopoulos, 2019)(Johnson et al., 2019)
- Feature difference (Jhamtani and Berg-Kirkpatrick, 2018)(Tan et al., 2019)(Forbes et al., 2019)
- Feature vectors from lower convolutional layers(Darlow and Storkey, 2019)(Bau et al., 2017)(B. Zhou et al., 2017)

1.4 Visual Question Generation from Radiology Images (Sarrouiti, Ben Abacha, and Dina Demner-Fushman, 2020)

1.5 A Survey on Biomedical Image Captioning (Kougia, Pavlopoulos, and Androutsopoulos, 2019)

- Focus on interesting regions: (Shin et al., 2016)
- Reducing cost per exam: (Lee et al., 2017)
- Baselines: (Zhang et al., 2017)(Wang, Peng, L. Lu, Z. Lu, and Summers, 2018)
- Reevaluating metrics for captioning: (Kilickaya et al., 2017)
- Datasets:
 - * IU X-ray (images, tags & reports): <https://openi.nlm.nih.gov/faq>(D. Demner-Fushman et al., 2016)
 - * PEIR-GROSS: <https://peir.path.uab.edu/library/index.php?/category/2>
 - * ICLEF-CAPTION (images, tags & reports): (Eickhoff et al., 2017)
 - * ChestX-ray8 (images, tags, reports not public) <https://nihcc.app.box.com/v/ChestXray-NIHCC> (Wang, Peng, L. Lu, Z. Lu, Bagheri, et al., 2017)

- Methods:
 - * (Shin et al., 2016) CNN encoder trained to predict 17 classes (MESH terms in IU X-ray)
 - * (Zhang et al., 2017)
 - * (Jing, Xie, and Xing, 2018)
 - * (Wang, Peng, L. Lu, Z. Lu, and Summers, 2018)
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 - * (Gale et al., 2018)

1.6 Deep learning in generating radiology reports: A survey (Monshi, Poon, and Chung, 2020)

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