|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Info | Method [Pipeline or Confidence] | Inputs  [single-para. or multi-para. or multi-doc] | Description |
| [BiDAF](https://openreview.net/forum?id=HJ0UKP9ge) | Seo et al.  ICLR 2017 | Pipeline | single-para. |  |
| [R-Net](http://www.aclweb.org/anthology/P/P17/P17-1018.pdf) | Wang et al.  ACL 2017 |  |  |  |
| [Match-lstm](https://openreview.net/pdf?id=B1-q5Pqxl) | Wang et al.  ICLR 2017 |  |  |  |
| [ReasoNet](http://delivery.acm.org/10.1145/3100000/3098177/p1047-shen.pdf?ip=219.224.169.122&id=3098177&acc=ACTIVE%20SERVICE&key=BF85BBA5741FDC6E%2E478E8F2EC4A762F8%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35&__acm__=1547429849_fb74646eaba897220183046dc0cc2556) | Shen et al.  KDD 2017 |  |  |  |
| [DrQA](http://aclweb.org/anthology/P17-1171) | Chen et al.  ACL 2017 |  |  |  |
| [BNA](http://aclweb.org/anthology/K17-1034) | Levy et al.  CoNLL 2017 |  |  |  |
| [FastQAExt](http://www.aclweb.org/anthology/K17-1028) | Weissenborn  CoNLL 2017 |  |  |  |
| [S-Norm](http://aclweb.org/anthology/P18-1078) | Clark et al.  ACL 2018 |  |  |  |
| [ELMo](http://aclweb.org/anthology/N18-1202) | Peter et al.  NAACL 2018 |  |  |  |
| [QANet](https://openreview.net/pdf?id=B14TlG-RW) | Yu et al.  ICLR 2018 |  |  |  |
| [FusionNet](https://www.microsoft.com/en-us/research/uploads/prod/2018/02/b0b85ca188da6371c069c82afa71ec9e928da098.pdf) | Huang et al.  ICLR 2018 |  |  |  |
| [S-Net](https://www.researchgate.net/publication/317614203_S-Net_From_Answer_Extraction_to_Answer_Generation_for_Machine_Reading_Comprehension) | Tan et al.  AAAI 2017 |  |  |  |
| [V-net](http://aclweb.org/anthology/P18-1178) | Wang et al.  ACL 2018 |  |  |  |
| [BERT](https://arxiv.org/pdf/1810.04805.pdf) | Devlin et al.  arXiv 2018 |  |  |  |
| [R.M-Reader](https://www.ijcai.org/proceedings/2018/0570.pdf) | Hu et al.  IJCAI 2018 |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Model | [SQuAD](https://aclweb.org/anthology/D16-1264)/[SQuADRUn](http://www.aclweb.org/anthology/P18-2124) | | [MS MARCO](https://www.microsoft.com/en-us/research/wp-content/uploads/2016/11/1611.09268v1.pdf) | | [DuReader](http://aclweb.org/anthology/W18-2605) | |
| EM | F1 | Rouge-L | BLUE-1 | BLUE-4 | Rouge-L |
| Human | 82.3 | 91.2 | 47 | 46 | 56.1 | 57.4 |
| BiDAF | 68.0 | 77.3 |  |  | 31.8 | 39.0 |
| R-Net | 71.3 | 79.7 | 42.89 | 42.22 |  |  |
| Match-lstm | 67.9 | 77.0 | 37.33 | 40.72 | 31.9 | 39.2 |
| ReasoNet | 69.1 | 78.9 | 38.81 | 39.86 |  |  |
| DrQA | 70.0 | 79.0 |  |  |  |  |
| BNA | 68.0 | 77.3 |  |  |  |  |
| FastQAExt | 70.8 | 78.9 | 33.67 | 33.93 |  |  |
| S-Norm | 72.1 | 81.1 |  |  |  |  |
| ELMo |  | 85.8 |  |  |  |  |
| QANet | 76.2 | 84.6 |  |  |  |  |
| FusionNet | 76.0 | 83.9 |  |  |  |  |
| S-Net |  |  | 45.23 | 43.78 |  |  |
| V-net |  |  | 46.15 | 44.47 | 40.97 | 44.18 |
| BERT | **85.1** | **91.8** |  |  |  |  |
| R.M-Reader | 79.5 | 86.6 |  |  |  |  |