聊天机器人 (Chatbot) 专知荟萃



http://www.zhuanzhi.ai

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聊天机器人 (Chatbot) 专知荟萃

入门学习

- 1. 对话系统的历史(聊天机器人发展)
- o [http://blog.csdn.net/zhoubl668/article/details/8490310]

- 2. 微软邓力: 对话系统的分类与发展历程
- o [https://www.leiphone.com/news/201703/6PNNwLXouKQ3EyI5.html]
- 3. Deep Learning for Chatbots, Part 1 Introduction 聊天机器人中的深度学习技术之一:导读
- o [http://www.jeyzhang.com/deep-learning-for-chatbots-1.html]
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- 4. Deep Learning for Chatbots, Part 2 Implementing a Retrieval-Based Model in Tensorflow 聊天机器人中的深度学习技术之二:基于检索模型的实现
- [http://www.jeyzhang.com/deep-learning-for-chatbots-2.html]
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- 5. 自己动手做聊天机器人教程(1-42)
- o [https://github.com/warmheartli/ChatBotCourse]
- 6. 如何让人工智能助理杜绝"智障"微软亚洲研究院
- [http://www.msra.cn/zh-cn/news/features/virtual-personal-assistant-20170411]
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- o [http://www.msra.cn/zh-cn/news/features/xing-xie-speech-20170324]
- 9. 25 Chatbot Platforms: A Comparative Table
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- [http://mp.weixin.gq.com/s/JyQ34kBNh2M5avdDtL0k Q]
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- 13. 九款工具帮您打造属于自己的聊天机器人
- [http://mobile.51cto.com/hot-520148.htm]
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- [http://blog.csdn.net/malefactor/article/details/52166235]

- 15.中国计算机学会通讯 2017 年第 9 期 人机对话专刊
- 。 人机对话 by 刘 挺 张伟男
- 。 任务型与问答型对话系统中的语言理解技术 by 车万翔 张 宇
- 。 聊天机器人的技术及展望 by 武 威 周 明
- 。 人机对话中的情绪感知与表达 by 黄民烈 朱小燕
- 。 对话式交互与个性化推荐 by 胡云华
- 。 对话智能与认知型口语交互界面 by 俞 凯
- 。 对话系统评价技术进展及展望 by 张伟男 车万翔
- o [https://pan.baidu.com/s/108Lv138]
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- 。 从图灵测试到智能信息获取 郝 宇,朱小燕,黄民烈
- 。 智能问答技术 何世柱,张元哲,刘 康,赵 军
- 。 社区问答系统及相关技术 王 斌, 吉宗诚
- 。 聊天机器人技术的研究进展 张伟男, 刘 挺
- o 如何评价智能问答系统 黄萱菁
- 。 智能助手: 走出科幻, 步入现实 赵世奇, 吴华
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进阶论文

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- A Hierarchical Latent Variable Encoder-Decoder Model for Generating Dialogues
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- 5. Sequence to Backward and Forward Sequences: A Content-Introducing Approach to Generative Short-Text Conversation
- [https://arxiv.org/abs/1607.00970]
- 6. A Persona-Based Neural Conversation Model
- o [https://arxiv.org/abs/1603.06155]

- 7. Deep Reinforcement Learning for Dialogue Generation
- o [https://arxiv.org/abs/1606.01541]
- 8. End-to-end LSTM-based dialog control optimized with supervised and reinforcement learning
- o [https://arxiv.org/abs/1606.01269]
- 9. A Network-based End-to-End Trainable Task-oriented Dialogue System
- o [https://arxiv.org/abs/1604.04562]
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- [http://www.iro.umontreal.ca/~lisa/publications2/index.php/publications/show/871]
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- o [https://arxiv.org/abs/1506.06714]
- 12. A Dataset for Research on Short-Text Conversation
- [http://staff.ustc.edu.cn/~cheneh/paper_pdf/2013/HaoWang.pdf\]
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- o [https://arxiv.org/abs/1506.08909]
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- o [https://arxiv.org/abs/1609.01462]
- 15. Neural Utterance Ranking Model for Conversational Dialogue Systems, 2016
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- 16. A Context-aware Natural Language Generator for Dialogue Systems, 2016
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- 17. Task Lineages: Dialog State Tracking for Flexible Interaction, 2016
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- o [https://arxiv.org/abs/1704.01074]
- 24. Flexible End-to-End Dialogue System for Knowledge Grounded Conversation
- o [https://arxiv.org/abs/1709.04264]
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- o [https://arxiv.org/abs/1709.05453]
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- 2. A Survey of Available Corpora for Building Data-Driven Dialogue Systems
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- [http://cjc.ict.ac.cn/online/cre/yk-2015112465445-20151210162142.pdf]

专门会议

- 1. SIGDIAL ACL 所属的关于对话系统的兴趣小组
- o [http://www.sigdial.org/workshops/conference18/]
- 2. INTERSPEECH 2017: INTERSPEECH 2017 which will take place on August 21-24 in Stockholm, Sweden, after SIGDIAL
- 3. YRRSDS 2017: Young Researchers' Roundtable on Spoken Dialog Systems, which will take place on August 13-14 also in Saarbrücken, Germany, right before SIGDIAL.
- 4. SemDial 2017!
- o [http://www.saardial.uni-saarland.de/]
- 5. Dialog System Technology Challenge (DSTC)
- [https://www.microsoft.com/en-us/research/event/dialog-state-trackingchallenge/]
- o [https://github.com/mesnilgr/is13]

Tutorial

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- [http://www.wildml.com/2016/04/deep-learning-for-chatbots-part-1-introduction/]

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- 5. Chatbot Fundamentals An interactive guide to writing bots in Python
- o [https://apps.worldwritable.com/tutorials/chatbot/]
- 6. Chatbot Tutorial
- [https://www.codeproject.com/Articles/36106/Chatbot-Tutorial#intro]

软件

Chatbot

- 1. ParlAl A framework for training and evaluating Al models on a variety of openly available dialog datasets.
- [https://github.com/facebookresearch/ParlAl]
- 2. stanford-tensorflow-tutorials A neural chatbot using sequence to sequence model with attentional decoder.
- [https://github.com/chiphuyen/stanford-tensorflowtutorials/tree/master/assignments/chatbot]
- 3. ChatterBot ChatterBot is a machine learning, conversational dialog engine for creating chat bots
- o [http://chatterbot.readthedocs.io/]
- DeepQA My tensorflow implementation of "A neural conversational model",
 a Deep learning based chatbot
- [https://github.com/Conchylicultor/DeepQA]
- 5. neuralconvo Neural conversational model in Torch
- o [https://github.com/macournoyer/neuralconvo]
- 6. chatbot-rnn A toy chatbot powered by deep learning and trained on data from Reddit
- o [https://github.com/pender/chatbot-rnn]
- 7. tf seq2seq chatbot tensorflow seq2seq chatbot
- [https://github.com/nicolas-ivanov/tf_seq2seq_chatbot]
- 8. ai-chatbot-framework A python chatbot framework with Natural Language Understanding and Artificial Intelligence.

- [https://github.com/alfredfrancis/ai-chatbot-framework]
- 9. DeepChatModels Conversation Models in Tensorflow
- o [https://github.com/mckinziebrandon/DeepChatModels]
- 10. Chatbot Build your own chatbot base on IBM Watson
- o [https://webchatbot.mybluemix.net/]
- 11. Chatbot An Al Based Chatbot
- o [http://chatbot.sohelamin.com/]
- 12.neural-chatbot A chatbot based on seq2seq architecture done with tensorflow.
- [https://github.com/inikdom/neural-chatbot]

Chinese_Chatbot

- 1. Seq2Seq_Chatbot_QA 使用 TensorFlow 实现的 Sequence to Sequence 的 聊天机器人模型
- o [https://github.com/qhduan/Seq2Seq Chatbot QA]
- 2. Chatbot 基於向量匹配的情境式聊天機器人
- o [https://github.com/zake7749/Chatbot]
- 3. chatbot-zh-torch7 中文 Neural conversational model in Torch
- [https://github.com/majoressense/chatbot-zh-torch7]

数据集

- 1. Cornell Movie-Dialogs Corpus
- o [http://www.cs.cornell.edu/cristian/CornellMovie-DialogsCorpus.html]
- 2. Dialog Corpus Datasets for Training Chatbot System
- [https://github.com/candlewill/Dialog Corpus]
- OpenSubtitles A series of scripts to download and parse the OpenSubtitles corpus.
- o [https://github.com/AlJohri/OpenSubtitles]
- 4. insuranceqa-corpus-zh OpenData in insurance area for Machine Learning Tasks
- o [https://github.com/Samurais/insurancega-corpus-zh]
- 5. dgk_lost_conv dgk_lost_conv 中文对白语料 chinese conversation corpus
- [https://github.com/majoressense/dgk_lost_conv]

- 6. Frames: A Corpus for Adding Memory to Goal-Oriented Dialogue Systems 一共 1369 段对话,平均每段对话 15 轮。
- o [http://datasets.maluuba.com/Frames]
- 7. Ubuntu Dialogue Corpus
- o [http://dataset.cs.mcgill.ca/ubuntu-corpus-1.0/]

领域专家

- 1. Cambridge Dialogue Systems Group Steve Young
- o [http://mi.eng.cam.ac.uk/research/dialogue/]
- 2. Ming Zhou
- o [https://www.microsoft.com/en-us/research/people/mingzhou/]
- 3. Jiwei Li(李纪为), [http://web.stanford.edu/jiweil/]
- 4. Ryan Lowe, [http://cs.mcgill.ca/rlowe1/]
- 5. Lili Mou
- o [https://lili-mou.github.io/]
- 6. Jason Williams Microsoft
- o [https://www.microsoft.com/en-us/research/people/jawillia/]
- 7. Bing Liu (刘冰) CMU
- o [http://bingliu.me/]
- 8. Ian Lane
- o [http://www.cs.cmu.edu/~ianlane/#&panel1-1]
- 9. Ondřej Dušek
- https://ufal.mff.cuni.cz/ondrej-dusek
- 10. Sungjin Lee 微软
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- 13. 刘挺 哈尔滨工业大学
- [http://ir.hit.edu.cn/~tliu]
- 14. 张伟男 哈尔滨工业大学 [http://ir.hit.edu.cn/~wnzhang]
- 15. Wei Wu (武威) 微软
- o [https://www.microsoft.com/en-us/research/people/wuwei/]

- 16.赵军 中科院自动化所
- o [http://www.nlpr.ia.ac.cn/cip/jzhao.htm]
- 17. 黄民烈 清华
- o [http://aihuang.org/p/]

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