arXiv New submission -> 1704.08950 in cs.AI from amitkumar_13195@aitpune.edu.in

e-prints@arxiv.org

Sun 4/30/2017 8:11 PM

To:3407 Amit Kumar <amitkumar_13195@aitpune.edu.in>;

Your submission submit/1876679 has been assigned the permanent arXiv identifier 1704.08950 and is available at:

http://arxiv.org/abs/1704.08950

The paper password for this article is: dv5kn
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Abstract will appear in today's mailing as:

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arXiv:1704.08950
From: Amit Kumar <amitkumar_13195@aitpune.edu.in>
Date: Fri, 28 Apr 2017 14:26:12 GMT   (553kb)

Title: Intelligent Personal Assistant with Knowledge Navigation
Authors: Amit Kumar, Rahul Dutta, Harbhajan Rai
Categories: cs.AI
Comments: Converted O(N3) solution to viable O(N) solution
License: http://arxiv.org/licenses/nonexclusive-distrib/1.0/
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   An Intelligent Personal Agent (IPA) is an agent that has the purpose of helping the user to gain information through reliable resources with the help of knowledge navigation techniques and saving time to search the best content. The agent is also responsible for responding to the chat-based queries with the help of Conversation Corpus. We will be testing different methods for optimal query generation. To felicitate the ease of usage of the application, the agent will be able to accept the input through Text (Keyboard), Voice (Speech Recognition) and Server (Facebook) and output responses using the same method. Existing chat bots reply by making changes in the input, but we will give responses based on multiple SRT files. The model will learn using the human dialogs dataset and will be able respond human-like. Responses to queries about famous things (places, people, and words) can be provided using web scraping which will enable the bot to have knowledge navigation features. The agent will even learn from its past experiences supporting semi-supervised learning.
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Contains:
 ResearchPaper.pdf: 566534 bytes