Abstract

A common method of data exchange is speech. Keeping track of every word exchanged through verbal means is difficult. Mostly, verbal communication is carried out through voice calls. For keeping tab of information exchanged, calls can be converted to text. These text files can be classified according to the content of the document. Also, unwanted call recordings have to be eliminated. This research contains the various methods required to implement call transcription and text classification. More than 50 papers were reviewed regarding the sections, call recording, transcription and ordering of text documents.

References

6. Lien-Wu Chen, Yu-Fan Ho, Wei-Ting Kuo and Ming-Fong Tsai, ``Intelligent file transfer for smart handheld devices based on mobile cloud computing”, international journal of communication systems, 2015
16. Chandra Mani Sharma, Alok Kumar Singh Kushwaha ,Rakesh Roshan , Rabins Porwal


34. S.A.R. Al-Haddad, Salina Abdul Samad, Aini Hussein, K. A. Ishak, A.A. Azid, R. Ghaffar, D. Ramli, M.R. Zainal, K.A. Abdullah,
36. Sonia Sunny, David Peter S, K Poulose Jacob, "Feature Extraction Methods based on Linear Predictive Coding and Wavelet Packet
40. Manjot Kaur, Lakhvir Garcha, "A Novel Approach for Speech Recognition using Vector Quantization through LBG Algorithm”,
43. Grégoire Mesnil, Xiaodong He, Li Deng, and Yoshua Bengio,
   "Investigation of Recurrent-Neural-Network Architectures and Learning Methods for Spoken Language Understanding" Interspeech, 25-29, August 2013
44. Chee Peng Lim, Siew Chan Woo, Aun Sim Loh, and Rohaizan Osman, "Speech Recognition Using Artificial Neural Networks", IEEE International Conference on Web Information Systems Engineering, 419-423, Vol 1, 2000


61. CAO Jian-fang, WANG Hong-bin, "Text Categorization Algorithms"


64. Nilesh Patil, Lokesh Patil, Gitanjali Wagh, Prof. Mis. Shital More,


71. Wannaporn Teekeng Pornkid Unkaw, "A New Hybrid Model of PSO and DE Algorithm"
for Data Classification”, IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing, 47-51, June 2017
75. Kunhui Lin, Yating Chen, Xiang Li, Qingfeng Wu and Zhentuan Xu, “Friend Recommendation Algorithm Based on Location-Based Social Networks”, IEEE, 2016
81. magazine, August 2017

Index Terms

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Keywords

Call recording; speech to text; classification; feature extraction; HMM; Baye’s classifier