Summarization technique for text document and data

Generating summery from documents or textual data has been a very interesting field of study. Most summarization techniques involve scoring sentences based on features and selecting them to generate summery of the document. Most common features for scoring includes sentence length, sentence position, TF-IDF based features, etc. Also, sometimes words in each sentence are given weights based on term importance and then sentences are ranked by calculating the overall importance of the all the words present in that sentence. Recently, recurrent neural network has been used for generating summery. Recurrent neural network has advantage of using semantic relation and long short memory. Other techniques involve using unsupervised technique like centroid based summarization where sentence scored based on similarities and relative positions. Also, context based summarization is also used, where features for scoring sentences are chosen based on the context.

current trends in multimodal information retrieval using machine learning

Information retrieval evolved over last couple of years along with other fields in computer science. Information retrieval can be done on multiple content types like text, audio, video. Also, machine learning techniques can be applied for retieving information from multiple content types. With recent improvement of deep neural network, it has been easier to identify or detect objects from image, classification and clustering of text documents, detecting video from web. use of deep neural network for multimodal information retrieval text summerization, classification, clustering

For identifying objects in imgaes convolutional neural network has been proven to be successful. For texutal data recurrent neural network is also popular for web search and ranking, classification and clustering. Also, deep belief network is also good with text data for detecting semantic relation. KNN is also pupular for fiding document relations.

summerization- methods=RNN

learn to rank

topic and trend

recommendation

A large number of corporate organizations are looking for recommendation system. Colaborative filtering is specially popular. Also item or seecttion based recommendtion is popular. My interest is to present paper on differenct recommandation techniques for products including topic extractiontion and tracking inorder to find the perfect topic for user. this will help find specific topic which is aligned to interest of user.