

or Google Now that are able to communicate and understand queries in human natural language. These applications are, however not perfect, but they are getting better. Quite soon, with advance of this field, we will be able to have natural communication with machines as we do with humans. This means better usability and intuitiveness of applications.

Less work - Computers already did a great job reducing man's effort to do simple and repetitive tasks. However, in archiving, searching or finding information, they can do even more and reduce human efforts to bare minimum. There is sub field of summarization that can greatly help when people need to read many long articles and reduce reading for poor reader. Many applications uses natural language processing to find out semantics of data user provides to system, so the application is able to serve him right content, the user will be interested in. And there are many more applications of NLP that actually reduces human work from 30%-90%.

Research and hypothesis generation - Natural language processing is able to find new knowledge from the series of articles of scientific papers. This is particularly used in bio-medicine to create hypothesis about relationships of some deceases and genomes. This is so far the first application of this I am aware. However, text mining and natural language processing can generate hypothesis in all the other fields, and make more space for researcher to do research in. And this can be also applied on non scientific part of life. For example, computers can scan some evidence and support decision making.

As shown from the above examples, natural language processing is a great tool that can make life easier and help progress in science. Applications in bio-medicine is starting saving lives. And there is more to come in near future, especially taking in account how many work is currently done in that field. It is also good to mention that text mining and natural language market grows world wide every year for more then 20%.

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