ProphetMT
A natural language machine translation programme

Available to License

Market Opportunity
Nowadays, multilingual writing of domain-specific documents is required in various areas such as legal documents, CVs, technical papers, and contracts. The translation of these documents, even with the help of machine translation, is costly because training translators is much more expensive than monolingual users. With the help of ProphetMT significantly less translation and post-editing work will be needed.

Technology Highlights
ProphetMT provides an accessible user interface that allows a user write in a subset of a natural language that computers can understand. Therefore the machine translation and other computer-related processing is much more reliable than the current state-of-the-art methods.

The user allows users write naturally in comparison to existing methods. The structure of each sentence is broken down into constituent parts and the subset of the natural language is then retrieved directly by the computer from a parallel corpus. The programme then makes auto-suggestions enabling the user choose the phrase or meaning that best suits their situation.

Upon completion both the original sentence and the translated sentence structures are presented to the user. An easily distinguishable colour scheme is applied to the constituent parts of the sentence helping the user identify the sentence structure, aiding the post-editing process.

A working demonstration of ProphetMT exists and works on Symantec technology document writing (in English) and translates directly to Chinese.

Applications
- **Easy document translation**: Any domain-specific multilingual document writing. Users only need to provide parallel corpus to allow ProphetMT to generate an appropriate model to help users with specific domain writing.
- **Global economy**: The increased mobility of the workforce requires an ability to work across borders in multiple languages. ProphetMT helps users to translate legal documents, technical papers, contracts and CVs into many languages aiding the global economy.

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