Robust Statistical Machine Translation for Japanese

Statistical machine translation is a promising machine translation technology without complex hand-crafted translation rules. However, it does not work so well for translation between English and Japanese due to their large difference in word order. This technology provides accurate English from/to Japanese translation with precise word reordering based on Japanese grammatical characteristics.

Features
- Provides accurate English from/to Japanese translation intermediated by “Japanese-ordered English”, based on Japanese grammatical characteristics.
- Enables users to readily develop a translation engine with their own translation rules specific to their use, using bilingual texts in target domains.
- Works better than conventional rule-based machine translation in English-to-Japanese patent translation.

Application Scenarios
- Searching over Japanese patents in English
- Providing cross-lingual communication support with a translation engine tuned for user’s own use

NTT Group Global Advantage
This new translation framework significantly improves performance in translating between English and Japanese and will help to overcome the communication barriers between different languages.

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