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Differences Between the Languages Are Substantial

The trends in MT productivity have a quite stable pattern over time, as the trend reports show. But that does not mean that machine translation is equally productive across different languages. There are considerable differences between languages when it comes to the average time that is needed to edit a machine translation for every 100 characters of the source text. Again we took the same sample, and filtered on a few of the bigger target languages that used MT and had English as the source language.

As shown in figure 10, it appears that the MT productivity in the Western-European languages is twice or almost three times as high as in the Asian languages.

- TAUS DQF BI Bulletin - Q1 2019; Marc

Brazilian Portuguese and Spanish being the MT champions in DQF, how do MT and TM compare in these languages? MT here is on par with fuzzy matches between 75 and 85%, and it shows that the sweet spot for switching to machine translation might move up to the higher TM match rates.























Methodology

- Begin stopwatch at start of translation with each set
- Pause timer and call instructor over when...
 - All segments confirmed
 - All terminology checks against the term database were cleared out (or personally verified as a "non-error")
 - All other automated quality checks that could be cleared out were completed (capitalization, punctuation, number mismatches, etc).
- If issue was spotted, unpause the timer and call instructor over again when fixed.
- Instructor writes down time of completion
- > NOTE: there is no "control group" for this experiment



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I've mixed the reference translations in with raw MT from 4 major engines. Which do you think is human?					
Students are given homework the week before to provide multiple sentences of human-made content (bilingual) that <u>they believe</u> will be "tough" for MT.					
Poor Tom Fool, yonder behind the wagon, mumbling his bone with the honest family which lives by his tumbling.	可憐的湯姆·帕爾,馬車後面的遠處,他的骨頭與他的翻滾生活的誠實家庭喃喃自語。	可憐的湯姆 傻瓜,就在馬車後面,嘴裡 咕噥著他的骨頭和靠他跌倒生活的誠實 家庭。	可憐的湯母富爾 (Tom Fool) 身處馬車 後面,與誠實的家庭糊塗骨頭,誠實的 家庭靠他的翻滾生活。		再過去是可憐的小丑湯姆躲在貨車後頭 帶著一家老小哨骨頭,這些老實人就靠 他翻筋斗膜來的鏡過活。
The young lady's countenance, which had before worn an almost livid look of hatred, assumed a smile that perhaps was scarcely more agreeable.	只是這笑容比起方才惡狠狠鐵青的臉色 來,也好看不了多少。	這位年輕女士的臉容,曾經穿著一種幾 乎鮮豔的仇恨外表,假設一個微笑,也 許幾乎沒有比較愉快。	這位年輕女士的面容,以前帶著近乎憤 怒的神情,露出了一絲可能更討人喜歡 的微笑。	這位年輕女士的臉上以前帶著幾分仇恨 的續青色,現在露出了一種也許再好不 過討人喜歡的微笑。	這位年輕女士的容顏曾帶過幾乎幾乎是 充滿生氣的仇恨表情,但露出了微笑, 這也許簡直讓人難以接受。
The world is a looking-glass, and gives back to every man the reflection of his own face.	」 這世界是一面鏡子,每個人都可以在裡 面看見自己的影子。	。 這個世界是一個展望的玻璃,並將自己 臉上的反射回饋給每個人。	世界是一面鏡子,把自己臉上的倒影還 給每個人。	這個世界是一個窺視鏡,並且將每個人的面孔反射給每個人。	世界是一個看起來玻璃,並回饋每個人 自己的臉的反射。
A very stout, puffy man, in buckskins, and Hessian boots, with several immense neckcloths that rose almost to his nose.	他穿著鹿皮裤子,筒上有流蘇的靴子, 園著好幾條寬大的領巾,幾乎直變到鼻 子。	一個非常健壯,浮腫的男人,穿著鹿 皮,黑森靴,幾條幾乎高到鼻子的大領 巾。	一個非常粗壯,浮腫的人,在雄鹿,和 黑森戰子,與幾個巨大的頸布,幾乎上 升到他的鼻子。	一個非常粗壯,浮麵的男人,在牛皮和 黑森靴子,幾乎上升到他的鼻子幾乎巨 大的領口。	一個非常矮胖,矮胖的人,穿著鹿皮和 黑森州的靴子,幾條巨大的闖巾闌在他 的鼻子上。
Fall 2019 = 1 st time students in a language group (Spanish) chose MT generated output over the human reference text					



