

# Perception vs. Acceptability of TM and NMT Output: What do translators prefer?

**Pilar Sánchez-Gijón**  
 Grup Tradumàtica  
 Dept. de Traducció i d'Interpretació i d'Estudis de l'Àsia Oriental  
 Universitat Autònoma de Barcelona  
 pilar.sanchez.gijon@uab.cat

**Joss Moorkens**  
 ADAPT Centre  
 School of Applied Languages and Intercultural Studies  
 Dublin City University  
 joss.moorkens@dcu.ie

**Andy Way**  
 ADAPT Centre  
 School of Computing  
 Dublin City University  
 andy.way@dcu.ie

## Research questions

1. Is NMT editing less productive than TM editing?
2. Does translators' perception of NMT and TM validity and their editing performance converge?
3. Does their general perception of their productivity with MT converge with their real productivity?

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## Test setup

8 Professional participants in two groups: G1 and G2  
 Editing tool: KANJINGO  
 Evaluation through Google Form

7 segments >90%  
 16 segments 80%-89%  
 7 segments <79%  
**30 TM segments vs. 30 NMT segments**

**Test set 1:**  
 15 TM + 15 NMT segments  
**Test set 2:**  
 15 NMT + 15 TM segments

	Translation	Evaluation
TestSet1	G1	G2
TestSet2	G2	G1

## 1. Is NMT editing less productive than TM editing?



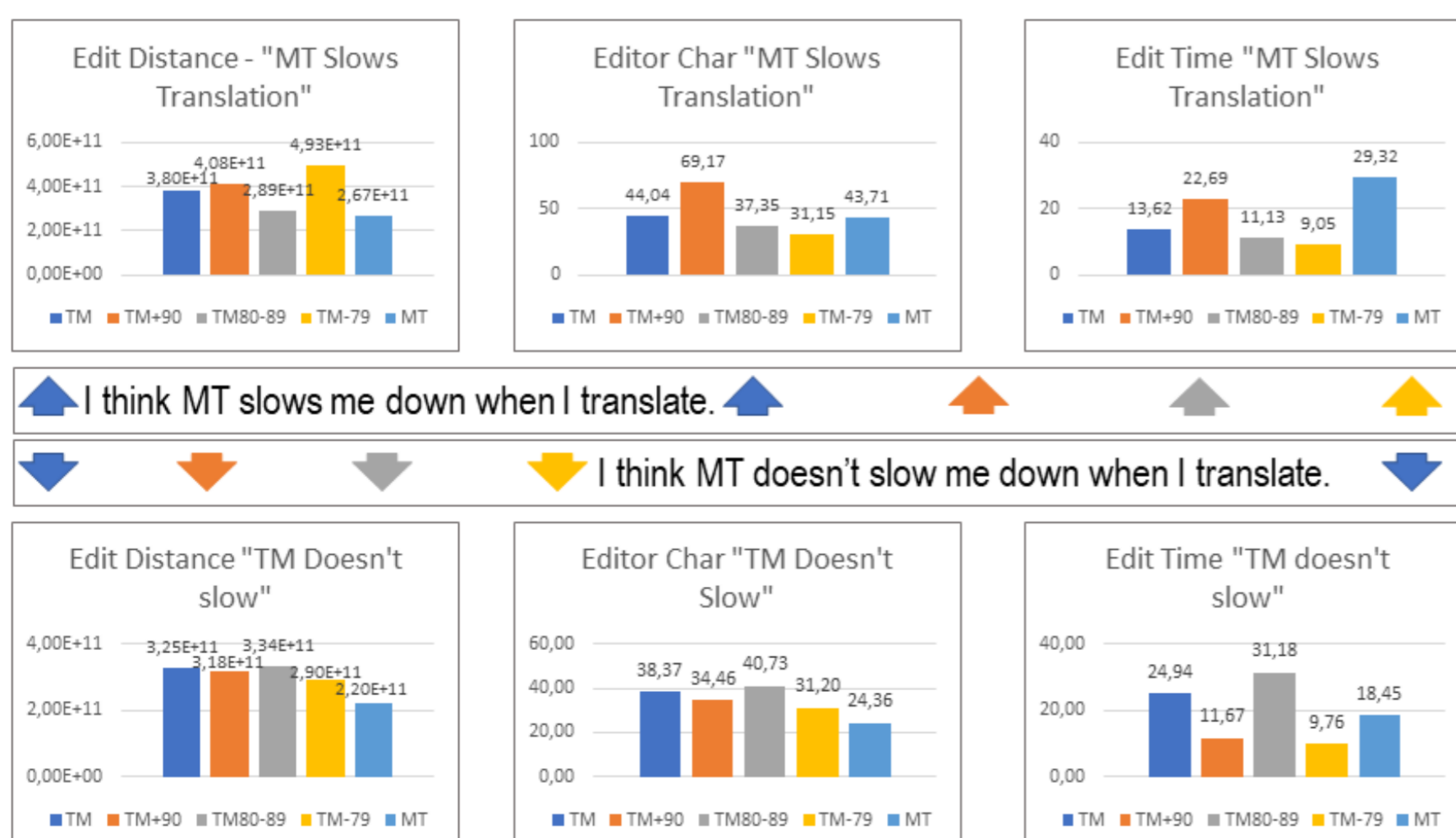
## 2. Does translators' perception of NMT and TM validity and their editing performance converge?



- ▶ MT edit distance mean is significantly smaller than TM.
- ▶ MT edit distance mean is significantly smaller than TM-79.

- ▶ MT editing performance is significantly smaller than TM 80-89 editing performance.

## 3. Does their general perception of their productivity with MT converge with their real productivity?



- ▶ MT edit distance of translators who think that MT slows them down is significantly smaller than their TM-79 edit distance.
- ▶ MT edit distance of translators who think that MT doesn't slow them down is significantly smaller than their TM and TM80-89 edit distance.
- ▶ MT editor char of translators who think that MT doesn't slow them down is significantly smaller than their TM and TM80-89 editor char.