# **Machine Translation in EFL Writing Programs?**

Research in progress...

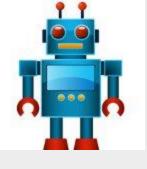


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# Do you tell your students not to use Google Translate?





# **Outline**

- Review of the literature
- Rationale for present study
- Method
- Results
- Conclusion
- Pedagogical implications



#### **Previous Research**

- Garcia (2011)
  - **Beginning university Spanish students** 
    - MT improved writing
- Duke University (2012)

#### **Students**

- MT useful for writing 44%
- MT useful for vocabulary 85%

#### **Instructors**

Against MT for language classes - 80%



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# Our Pilot Survey (2013)



#### We checked (N = 203)

- Use of MT among EAP students
- Attitudes toward MT as a tool for writing

#### 80% use MT frequently. Why?

•	I don't want to make mistakes.	<b>32</b> %
•	It makes my writing better.	20%
•	It's faster.	17%
•	It helps me learn English.	<b>16%</b>
•	It's easier than writing directly in English.	10%
•	Other	4%

### Rationale



- Widespread adoption of MT by students
- Limited research on use by language students
- No research on use by EFL students
- No guidelines for students and instructors

# Research questions



- 1. Are students aware of the mistakes made by Google Translate?
- 2. Is awareness higher in higher level courses?
- 3. Can students correct the mistakes?

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#### **Method**

#### **Participants**

- 86 EAP students from TAU and IDC
- Hebrew strongest language
- 3 different level courses

#### **Procedure**

- Instrument: Google translation (Hebrew to English) of 10 sentences with potential L1 interference (on paper)
- Tasks:
  - Identification of mistakes in MT output
  - Correction of mistakes

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## **Method: Analysis**

#### Mistake Awareness Score – MAS

MAS\_is the % of the number of mistakes found out of the total number of mistakes made by *Google*, minus the penalty for marking correct items as mistakes.

MAS = # mistakes found - penalty total # of mistakes

#### Mistake Correction Score – MCS

MCS is the % of the number of mistakes corrected out of the number of mistakes identified, minus the penalty for incorrectly changing correct items.

MCS = <u># mistakes corrected</u> - penalty # of mistakes identified



#### **Results**

Level	MAS	MSC
Intermediate	54.5	-
Advanced	70.4	86.8
Post advanced	75.7	88.1

- Advanced/post level students can identify, on average, 73% of the mistakes made by Google Translate.
- They can correct, on average, 87% of the mistakes they identified.
- Intermediate level students can identify, on average, over half of the mistakes made by Google Translate.

## Conclusion

# Advanced EFL students may be able to use *Google Translate* effectively in their writing.



# **Pedagogical Implications**

#### We believe:

- Instructors can no longer ignore student use of MT for writing.
- Google Translate can be a useful digital tool for EFL writing students, provided they learn how to use it effectively.
- Instructors should provide explicit guidelines for use of the tool.



#### Where next?

- Check if the use of *Google Translate* enhances student writing. If so...
- Formulate guidelines for instruction.

