

LING 120:
Language and Computers
Semester: Fall '17

Instructor: Sowmya Vajjala

Iowa State University, USA

17 November 2017

Outline

- ▶ Linghan and Yang Yifan on Chinese-English MT
- ▶ Group Exercise

Linghan and Yang Yifan on Chinese-English MT

Next week of classwork

- ▶ How Machine Translation works
- ▶ Machine Transliteration (What and why?)
- ▶ Beyond keyboard and speech based input: Braille and Sign Language on Computers
- ▶ Recommended Readings: Machine Translation chapter in the book, and Chapter 1 (on encoding text)
- ▶ Deadlines in that week: Finals-Part 1.

Group Exercise

- ▶ Background: Linguistics Challenge for schools of Iowa happened yesterday in MU.
- ▶ Their end of the event prize challenge was about "Transliteration" i.e., transforming a script into another one (same words, written in different script).

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- ▶ Their end of the event prize challenge was about "Transliteration" i.e., transforming a script into another one (same words, written in different script).
- ▶ I looked at it and felt it is too difficult for high-school students. Yet, 3 or 4 teams (out of about 15 teams, and a total of 140-150 students) managed to do a major part of it (and in 35-45 min)
- ▶ So, I shifted all my plans for today's class to after break, and decided to give the same challenge to you!
- ▶ Work in groups of 3-4 people - this could be difficult to do alone!

Happy Thanksgiving!!!