

CSCI 5582

Artificial Intelligence

Lecture 25
Jim Martin

CSCI 5582 Fall 2006

Today 12/5

- Machine Translation
 - Review MT
 - Models
 - Training
 - Decoding
 - Phrase-based models
 - Evaluation

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Readings

- Chapters 22 and 23 in Russell and Norvig
- Chapter 24 of Jurafsky and Martin

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Machine Translation

C ₁	DAYU	ALONE	ON	BED	TOP	THINK	BAOCHAI			
E ₁	As	she	lay	there	alone	Daiyu's	thoughts	turned	to	Baochai

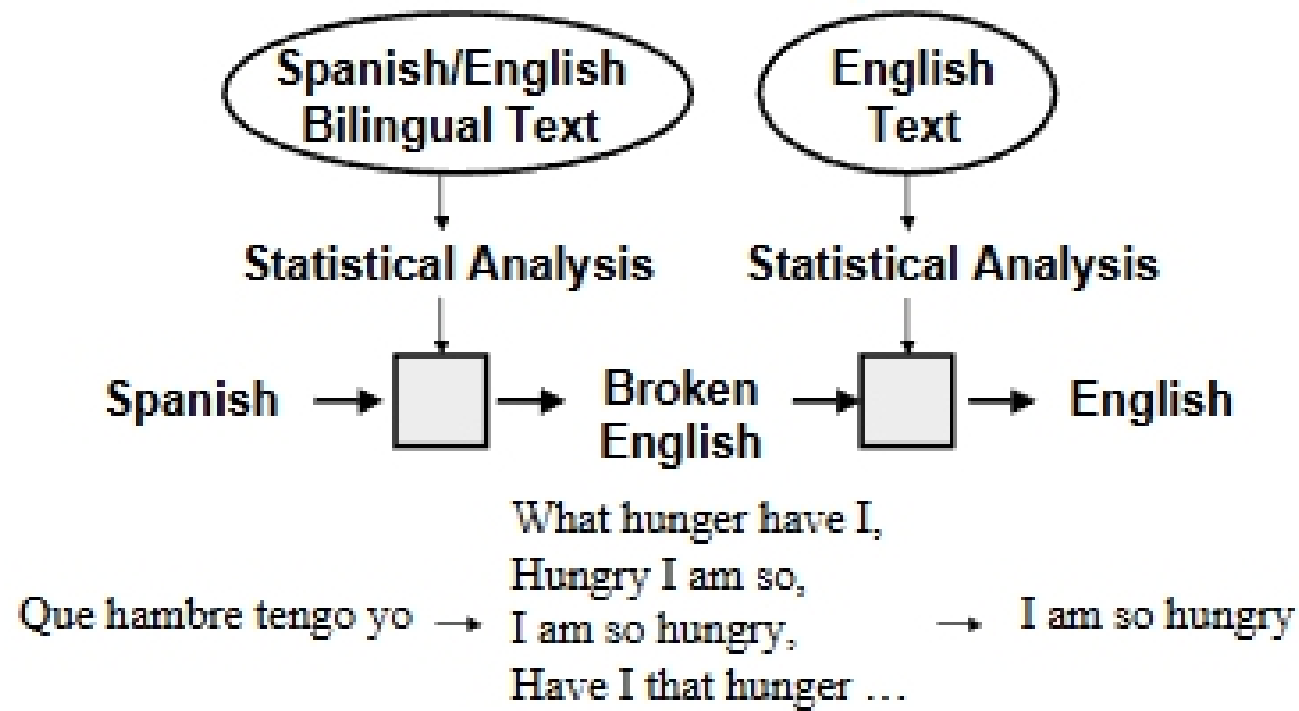
C ₂	AGAIN LISTEN-TO	WINDOW	OUTSIDE BAMBOO	TIP	PLANTAIN	LEAF	OF	ON-TOP	RAIN SOUND	SIGH DRIP
E ₂	Then she listened to the insistent rustle of the rain on the bamboos and plantains outside her window.									

C ₃	CLEAR	COLD	PENETRATE	CURTAIN
E ₃	The	coldness	penetrated	the curtains of her bed.

C ₄	NOT	FEELING		<u>FALL DOWN TEARS</u>	COME
E ₄	Almost	without	noticing	it she had begun to cry	.

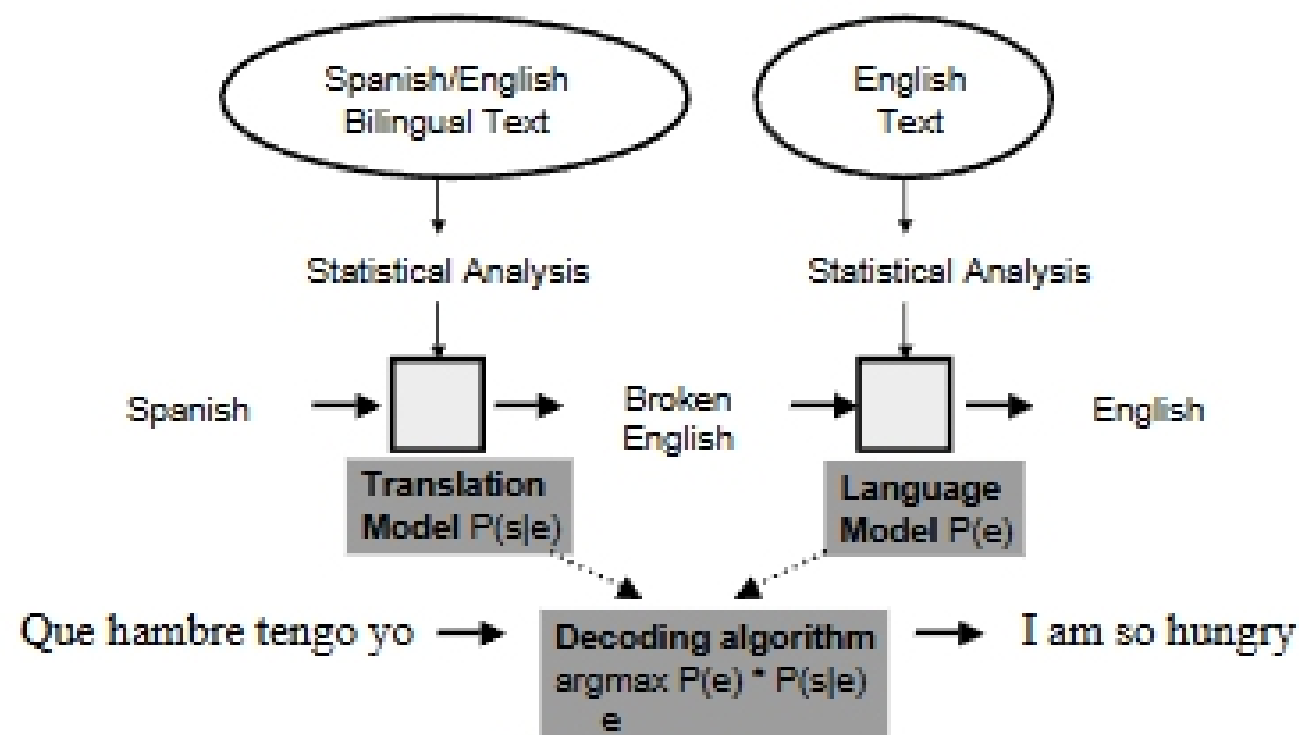
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Statistical MT Systems



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