

ANGUAGE

Ever wondered why some languages sound like they're spoken much faster than others? Japanese sounds faster than German, Spanish certainly sounds faster than English. Yet, if you watch a dubbed foreign movie, the translated dialogue matches with the original exactly—even seemingly to the actors' mouth movement.

That's pretty much what three researchers at

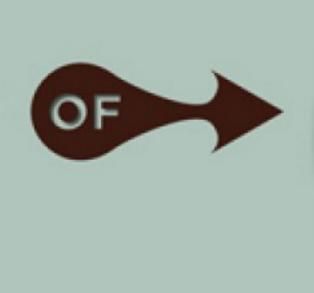
were wondering,



WHEN THEY SET OUT TO COMPLETE A STUDY ON THE SPEED OF LANGUAGE.

They gathered up

volunteers



MEN WOMEN

Each of whom spoke one of



recordings with an overall duration of:



Every recorded phrase in his or her language: Last night I opened the front door to let the cat out.

THE GARDEN FOR A BREATH OF FRESH AIR.

THEN I HEARD A CLICK AS THE DOOR CLOSED BEHIND ME. I REALIZED I'D LOCKED MYSELF OUT.

TO CAP IT ALL, I WAS ARRESTED

WHILE I WAS TRYING TO FORCE THE DOOR OPEN!

The researchers counted all the syllables in each of the recordings and analyzed how much meaning each syllable conveyedcalled the "density" of a syllable, and, it turns out:

You can compare the speed of the languages:

SYLLABLES/SEC

is indeed faster than



The

SYLLABLES/SEC

take it easy...

While the

7.84 SYLLABLES/SEC

"outspeak" us all.

take a look at their

information density*

*Wistnamese is set as the base density of 1.

(least dense)

0.63

0.91

(most dense)

AND IT TURNS OUT...

ANGUAGES

DENSE

AND MORE DENSE LANGUAGES SLOWERS



THAT SOUND VASTLY DIFFERENT, WE'RE ALL SAYING THE SAME THING.