Opinion





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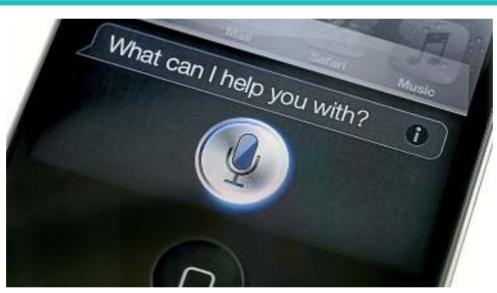
quick search of the internet produces many sites of cute (and not so cute) pictures of dog owners who look very much like their dogs. Patterns of convergence also exist in our speech.

This does not mean that we sound more like our dogs (though I will come back to how we speak to pets shortly), but that over time we can sound more and more like the people we hang out with. The opposite effect also exists – we show patterns of divergence, particularly from people we might not want to be associated

We also adopt different registers or styles of speaking depending on general characteristics of who we perceive to be our audience. A classic example of this is what is known in linguistics as childdirected speech. It goes under many other names, such as infant-directed speech and baby talk, although the latter can also refer to the children's own speech. In many early studies we find the term motherese, along with more inclusive terms like parentese and caregiverese.

Child-directed speech has a number of

key cnaracteristics. These include



Siri-ously speaking

Language Matters

simpler sentences and vocabulary, as well as special words such as doggie and onomatopoeic forms like choo-choo or bow-wow. There is lots of repetition, and special ways of speaking, using more dramatic intonation patterns with bigger rises and falls and a generally higher voice pitch.

Adults (and a child's older siblings) adopt these ways of speaking without generally being aware that they do it. Young children seem to find these types of speech more attractive and pay more attention to them, and leatures such as

simple grammar and repetition provide

good scaffolding for their learning. Many of these characteristics are also found in what is sometimes referred to as pet-directed speech, so perhaps we instinctively adopt a certain style of speaking with small cuddly creatures.

It seems we also have particular ways of speaking to our devices. A recent study in the Journal of Phonetics investigated what speakers sound like when speaking to voice-activated artificially intelligent systems such Apple's Siri or Amazon's Alexa, compared to how they sound when speaking with other humans.

The study showed that, unlike childalrected speech, Siri-alrected speech has

lower voice pitch and a smaller pitch range than adult-directed speech. This $smaller\ pitch\ range\ possibly\ reflects\ less$ emotional engagement with a Siri than with a human. The pitch range increases over the course of an interaction with the Siri, perhaps reflecting increasing engagement with the device.

In one particularly interesting part of the study, participants took part in a simulation where they believed that they were interacting either with a native English-speaking adult or with a Siri. They were seated in front of a computer and asked to say aloud a short phrase such as "The word is bone". They then heard either a human or a Siri voice saying "Is this the word?" as a word appeared on the computer screen. If the wrong word appeared (e.g., bode rather than bone), then the participant had to repeat the phrase.

The researchers were interested in how participants would change the way they said the phrase in order to correct the error, and whether this would differ depending on whether they thought they were talking with a Siri or with another human. Most strategies were similar, including making extra effort to speak more clearly.

However, Siri's speech recognition is trained using casual speech, and the exaggerated corrections make the speech less intelligible to Siri.

The resulting "cycle of misunderstanding" suggests that Siri's training data should also include examples of speakers making this kind of correction.

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samoaobserver

Vigilance is still required

Viewpoint the celebration of Samoa's 60th independence anniversary which gets underway on June 1. However, hours prior to the official launch, the Ministry of Health advised of another coronavirus death, increasing the country's total death toll to 23. It was a stark reminder of the need to remain vigilant, as

he countdown has started to

we prepare to celebrate. Did anyone notice the increasing number of unvaccinated losing their lives to the coronavirus? According to Health Ministry data, Covid-related deaths among unvaccinated people now stand at

15, 65% of the fatalities from the virus thus far. So as we begin preparations for the anniversary

celebrations, let us encourage those who are yet to be fully vaccinated to complete their doses and to get their booster shots, while exercising the mandatory health protocols at home to keep the virus away.

With the Government's recent announcement of the easing of restrictions you get the feeling a lot of citizens have taken their foot off the pedal and are out in public without face masks and not

exercising social distancing. The country's health infrastructure as well as the workforce has been under enormous strain since the first community case was recorded on March 17 so let's avoid acting with recklessness during the months of historic celebrations.

Views from around the world. These opinions are not necessarily shared by Stuff newspapers.