Patterns of language dynamics in deep contextualized word representations

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In recent history no event has changed the world and standard knowledge of speakers worldwide as much as the corona pandemic. The associated language dynamics are not only noticeable by lexical diversity and conventions, but also in semantics and pragmatics.

The aim of the project as part of the joint project "Patterns. *Linguistic Creativity and Variation in Synchrony and Diachrony*" (patterns.uni-trier.de) is the data-driven analysis of these semantic changes using linguistic entities in their respective context. Theoretically based on construction grammar and distributional semantics, models are to be extracted with the help of current deep learning methods (word embeddings and deep contextualized representations), in which the patterns to be examined are latent. These representations can be used to compare lexical units and their semantic changes in different contexts, at different times, in different languages or in different types of media.

Lit is caused by a member of the coronavirus family that has neve eve already seen upticks in coronavirus cases in various US states, in China, and in Ger nother reason why New York has so many confirmed coronavirus cases is because it is

What is a coronavirus? The number of coronavirus cases is increasing.

It's thought that there are alternatives to tackle the potential of a second wave of coronavirus.

The new coronavirus – believed to have first appeared in the Chinese city of Wuhan – is often compared to SARS, which originated in China's Guangdo The coronavirus is now pushing at that jagged divide, especially because it is now concentrated primarily in the largest population centers. This strain of coronavirus was first noticed in China in December, but initially, scientists didn't think it could be passed between humans.

It is caused by a member of the coronavirus family that has never been encountered before.

coronavirus family is zoonotic, meaning it can spread between humans and animals.

All coronaviruses are covered with pointy spires of protein, giving them the appearance of having a crown or But coronaviruses have one trait that makes them particularly hard to contain: They're zoonotic, meaning th

Some coronaviruses transmit easily from person to person, while others do not. Like other coronaviruses, it has come from animals.



graphical visualization (UMAP) of contextualized word representations ("coronavirus"); the marked neighborhood shows semantical representations of vaguely "origins of the virus"