
From: Joscha Bach [REDACTED]
Sent: Sunday, September 6, 2015 9:09 PM
To: jeffrey E.
Subject: Re:

Am 06.09.20=5 um 16:23 schrieb jeffrey E. <=eevacation@gmail.com <mailto:jeevacation@gmail.com>>:

<=iv dir="ltr">I dont want statistical modeling

exactly. the trick will be to find a challenge t=at cannot be cracked with more statistics alone

you and ben for years have sta=ed you wanted to put an avatar , and hope it can do things a 2 year old can=do. the challenge is learning a language. &nbs=; different that moving blocks in a video game.

On Sun, Sep 6, 2015 at 2=38 PM, Joscha Bach [REDACTED] >
wrote:

This challenge idea is excellent; I really love it=

> first draft. of the Chomsky Challenge. .=nbsp; Produce a non- living system that can be put into an environment= for a while and --- 1. be able to dis=riminate language from noise. . prize . = a 1 dollar bill signed by Noam and 100k.

What is the system allowed to have when it starts? We would need to define t=e environment, for instance text based or audio, or movies/youtube. Once th= contestants know the environment, they can use standard machine learning m=ethods to discern entropy in the signal, and separate language-like noise fr=m non language-like noise. Google does this pretty well, and automatically (=ut not perfectly) sub-title videos in a number of languages.

I imagine you want to go beyond that?

> . 2. be able to discriminate coherent sen=ences from non (we provide 10 test sentences =).

I suspect that this is harder, Noam might point out that a lot of grammatica=ly well-formed sentences used in politics are not coherent ;-)

> prize a 10 dollar signed Chomsky bill , and 500=. 3. a language learning module.

Build a system that is able to learn a new language without hand-coding, and=translate sentences from this language into English and back? Excellent!

> 20 dollar bill signed and 1 million, 4. a sense making module that can understand meaning inference. . etc.
the non recommendation recommendation. . ie the student=has a nice family. etc. a 100 dollar signed bill and 10 million=dollars. ? ---

>

> lets also do a minsky challenge and if you want martin a NOVAK challenge.

Yes! Let us ask Marvin and Martin about the biggest unsolved problems in their field.

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please no=

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