

Brainstorming session 2 Group 1

Transcript

00:00:02 Speaker 1

We're talking about Eurorack.

00:00:02 Speaker 2

Eurorack?

00:00:06 Speaker 1

Eurorack. Apologies. No, but you raised a very interesting question about; all the things that we're doing today, right now, is down to doing big data models but we're fitting them into small data but using the same models and the same algorithms and what not. And so, we're thinking, well, maybe we should go look backwards and see what happened before the kind of boom that we got today. So we mentioned a few years here, so 2018...

00:00:40 Speaker 2

Ohh not 1962?

00:00:42 Speaker 1

No, no, no, no.

00:00:43 Speaker 1

2018, 2012 being a pivotal year as well. Or maybe 1997 because...

00:00:53 Speaker 3

That was when Douglas Hofstadter heard Emmy (EMI) and then suddenly realized that what he predicted that a machine would never be able to do. He encountered the machine, and that was when his lunch was eaten.

00:01:07 Speaker 1

Yeah, yeah. But also we we did talk about the other stuff as well. What model and... maybe you could...

00:01:20 Speaker 4

Yeah, yeah, yeah. So at some point we were talking about if it will be possible under particular like scenario to sanity check this approach of small data versus big data. So

what if, for instance, we were to have like a big data set that is split across different categories in the big model, right? So it's like we baseline our experiment with a big model and big dataset, and then we have small models trained under these sub-categories within the dataset, right? So you have like big models trying to generalize across different subcategories and then you have small models cater for this specific sub-categories within the big data set. There was something interesting, yeah.

00:02:00 Speaker 1

A representation is very critical.

00:02:04 Speaker 4

Yeah, representation of things is really critical, especially if you are working with like really small models, where you are trying to kind of like predigest the input, right, using a particular representation that brings forward some of the characteristics that you want the model to attend to. And yeah, it's really easy to make small data ones that are overly prescriptive actually. At least that's my personal experience, right?

00:02:30 Speaker 2

OK. And any thoughts on how maybe with these small data models or small AI models, how we might share them or make them available to other people? Did you get onto that?

00:02:40 Speaker 5

I'll just have a provocation. What's wrong with GitHub?

00:02:44 Speaker 2

How many musicians do you know who know how to use GitHub?

00:02:46 Speaker 4

This is the problem.

00:02:45 Speaker 2

OK. So OK, so that would be my immediate response to that. I mean, like I've got computer science training, and I just look at GitHub and go, what is happening? I don't understand. So, I can use it, but it's a pain and there must be other ways that we can share data that doesn't involve the insane GitHub interface.

00:03:12 Speaker 4

Neutone and Hugging Face are two possibilities, right?

00:03:14 Speaker 6

Colab also.

00:03:17 Speaker 4

But you still you still need to be a musician that works with a particular tool flow, right? Like a DAW or something like that.

00:03:24 Speaker 2

Yeah. So that's the question. So that's the other question about like tool flows that came up this morning, how do we share knowledge around, how to build those tool flows, what kind of data do we need, and that's something we want to push forward in this project. OK, cool. Thank you very much.