EXHIBIT SEVEN

Message

From: Armand Joulin [[redacted]@fb.com]
Sent: 9/14/2022 8:51:16 PM
To: Armand Joulin [[redacted]@fb.com]; Stephen Roller [[redacted]@fb.com]
Subject: Message summary [{"otherUserFbId":100020258253907,"threadFbId":null}]

Armand Joulin (9/14/2022 07:21:53 PDT):
>ola

Armand Joulin (9/14/2022 07:22:08 PDT):
>another question: how does the zetta team feel about opensourcing the model?

Armand Joulin (9/14/2022 07:23:01 PDT):
>one thing that we are thinking of in emea is that opensourcing is sometimes a bit constraining in terms of the data we can use, and maybe building an API is sufficent

Stephen Roller (9/14/2022 08:45:11 PDT):
>I also feel open sourcing puts harder constraints on us than is sometimes necessary

Stephen Roller (9/14/2022 08:45:36 PDT):
>And particularly for a 540B model, even if we open sourced it, who could run it?

Armand Joulin (9/14/2022 08:47:32 PDT):
>who is advocating for opensourcing?

Stephen Roller (9/14/2022 08:47:46 PDT):
>It would be nice to open source but zetta's #1 priority is getting sth useful to fair

Stephen Roller (9/14/2022 08:48:03 PDT):
>Within Zetta, no one strongly holds this position

Armand Joulin (9/14/2022 08:48:07 PDT):
>chinchilla doesnt want to opensource

Armand Joulin (9/14/2022 08:48:17 PDT):
>they want to be the best

Stephen Roller (9/14/2022 08:48:50 PDT):
>At?

Armand Joulin (9/14/2022 08:48:51 PDT):
>and opensourcing is going to hurt perf

Armand Joulin (9/14/2022 08:49:03 PDT):
>EvErYtHiNg

Armand Joulin (9/14/2022 08:49:10 PDT):
>(it was a joke)

Stephen Roller (9/14/2022 08:49:30 PDT):
>Yeah I mean not open sourcing and not publicly stating exactly what we train on

Armand Joulin (9/14/2022 08:49:31 PDT):
>more seriously opensourcing is a constraint that they want to relax at the moment

Armand Joulin (9/14/2022 08:49:42 PDT):
>yeah

Stephen Roller (9/14/2022 08:49:46 PDT):
>Might give us more cover from lawyers to approve us using certain datasets

Armand Joulin (9/14/2022 08:49:47 PDT):
>playing the game

Stephen Roller (9/14/2022 08:50:00 PDT):
>Yeah no, we're already aligned here

Stephen Roller (9/14/2022 08:50:12 PDT):
>Moving on to the next problem :)

Armand Joulin (9/14/2022 08:50:25 PDT):
>I didn t read that statement

Armand Joulin (9/14/2022 08:50:31 PDT):
>good

Stephen Roller (9/14/2022 08:50:53 PDT):
>I mean as an example

Armand Joulin (9/14/2022 08:50:57 PDT):
>of course

Stephen Roller (9/14/2022 08:51:19 PDT):
>Both palm and gopher have a corpus of “books” that is mysteriously 10x bigger than our books

Stephen Roller (9/14/2022 08:51:28 PDT):
>Where is this magic source of books?

Armand Joulin (9/14/2022 08:51:31 PDT):
>I think the main blocker is really going to be to split the fun work evenly. But this is workable

Armand Joulin (9/14/2022 08:51:42 PDT):
>I am aware of this

Stephen Roller (9/14/2022 08:51:49 PDT):
>Well it’s essentially Bibliotik and a giant torrent of pirated books…

Armand Joulin (9/14/2022 08:51:53 PDT):
>they have a large team

Armand Joulin (9/14/2022 08:52:04 PDT):
>they may have written a tons of books over the last two years

Armand Joulin (9/14/2022 08:52:10 PDT):
>WHO KNOWS??!

Stephen Roller (9/14/2022 08:52:22 PDT):
>Nah. Its this torrent

Stephen Roller (9/14/2022 08:52:34 PDT):
>That we have but Redacted

Stephen Roller (9/14/2022 08:52:47 PDT):
>The size matches up too well

Armand Joulin (9/14/2022 08:52:52 PDT):
>yeah

Armand Joulin (9/14/2022 08:52:55 PDT):
>I know

Armand Joulin (9/14/2022 08:52:58 PDT):
Redacted

Armand Joulin (9/14/2022 08:53:39 PDT):
>I just dropped in the leadership offsite that if they want us to reproduce chinchilla/palm/whatnot there are certain things that we will need to be confortable with

Stephen Roller (9/14/2022 08:54:00 PDT):
>Legal

Armand Joulin (9/14/2022 08:54:18 PDT):
Redacted

Armand Joulin (9/14/2022 08:54:26 PDT):
>it is annoying

Armand Joulin (9/14/2022 08:54:44 PDT):
Redacted

Armand Joulin (9/14/2022 08:54:52 PDT):
>I actually know how we can work around this

Armand Joulin (9/14/2022 08:54:56 PDT):
>to our advantage

Armand Joulin (9/14/2022 08:55:24 PDT):
>fair use + ablation with and without that data where we show that this is a key ingredient to replicate Palm/chinchilla

Armand Joulin (9/14/2022 08:55:44 PDT):
>can you send me the task?

Stephen Roller (9/14/2022 08:55:55 PDT):
>https://docs.google.com/document/d/[redacted]

Armand Joulin (9/14/2022 08:56:09 PDT):
>I meant the task with the lawyers

Stephen Roller (9/14/2022 08:57:08 PDT):
>the srt is linked within there

Armand Joulin (9/14/2022 08:57:12 PDT):
>ha ok

Armand Joulin (9/14/2022 08:57:18 PDT):
>thx will look at it tomorrow

Stephen Roller (9/14/2022 08:57:18 PDT):
>but this is the summary of that srt

Armand Joulin (9/14/2022 08:57:23 PDT):
>perfect thanks

Armand Joulin (9/14/2022 08:57:52 PDT):
>ok last item for you to figure out is how confortable you are to split training with people from chinchilla.

Armand Joulin (9/14/2022 08:58:49 PDT):
>On my end, I will work on a plan where we leverage the benefit of 2 codebases in a way that it benefits the project

Stephen Roller (9/14/2022 08:59:34 PDT):
>i mean i'm not opposed to jointly working on the training but

Stephen Roller (9/14/2022 08:59:41 PDT):
>i would also flag that we're roughly at the point that

Stephen Roller (9/14/2022 08:59:50 PDT):
>for at least up to 66B params

Stephen Roller (9/14/2022 08:59:54 PDT):
>it's basically auto-pilot

Stephen Roller (9/14/2022 09:00:03 PDT):
>launch and check on it once a day

Stephen Roller (9/14/2022 09:00:35 PDT):
>the loss explosions and hardware failures have been pretty much mitigated up to that scale now

Armand Joulin (9/14/2022 09:00:40 PDT):
>I mean doing ablations, that s the fun part I imagine

Stephen Roller (9/14/2022 09:01:53 PDT):
>oh i welcome them doing ablations. particularly as the talented set of RSes they are, i'd particularly prefer them driving ablations around things i wasn't even thinking about

Stephen Roller (9/14/2022 09:02:34 PDT):
>like i don't want to assign them ablations to do, i feel like it would be insulting to them

Stephen Roller (9/14/2022 09:02:43 PDT):
>but my own team i do have to assign people ablations to run

Stephen Roller (9/14/2022 09:03:36 PDT):
>if they wanted to claim ones that we have to do anyway that's totally fine with me

Stephen Roller (9/14/2022 09:04:01 PDT):
>https://docs.google.com/spreadsheets/d/[redacted]
here's our current set of ongoing ablations and planned results

Stephen Roller (9/14/2022 09:04:36 PDT):
>but it might be hard for us to do this well if we're in completely different code bases

Stephen Roller (9/14/2022 09:04:47 PDT):
>particularly in the way of few-shot evals

Armand Joulin (9/14/2022 09:04:56 PDT):
>discussing ablations and then agreeing on who to run it, instead of assigning I guess

Armand Joulin (9/14/2022 09:04:57 PDT):
>dunno

Stephen Roller (9/14/2022 09:05:21 PDT):
>yeah i mean that's totally good with me

Stephen Roller (9/14/2022 09:05:32 PDT):
>but i guess the thorn in my side for the immediate short term is

Stephen Roller (9/14/2022 09:05:52 PDT):
>i'm primarily using our immediate runway of ablations to onboard all the new people on zetta

Stephen Roller (9/14/2022 09:06:03 PDT):
>but that is a short runway

Armand Joulin (9/14/2022 09:06:08 PDT):
>isnt it a bit dangerous?

Stephen Roller (9/14/2022 09:06:48 PDT):
>ah these people don't design the ablations. mostly they're just executing the pipeline

Stephen Roller (9/14/2022 09:08:18 PDT):
>as in, there's not a lot of danger in someone adding new data, running an existing sweep, and then running an existing eval suite

Armand Joulin (9/14/2022 09:08:36 PDT):
>I don t see the srt link in the gdoc

Stephen Roller (9/14/2022 09:09:00 PDT):
>https://review.internmc.facebook.com/intern/review/research/research-review/view/?[redacted]

Armand Joulin (9/14/2022 09:10:10 PDT):
>that s for the pile

Armand Joulin (9/14/2022 09:10:14 PDT):
>is it included in it?

Stephen Roller (9/14/2022 09:10:26 PDT):
>yes, we're talking about the bibliotik section of the pile

Stephen Roller (9/14/2022 09:11:06 PDT):
>one critical ablation that's unstaffed atm is basically "try all of the data chinchilla folks are using"

Stephen Roller (9/14/2022 09:11:24 PDT):
>that seems like a dead obvious thing that the chinchilla folks should drive

Armand Joulin (9/14/2022 09:11:53 PDT):
>good idea

Armand Joulin (9/14/2022 09:12:06 PDT):
>I ll also ask them what are the ablations they are planning to do and aligned them with yours

Stephen Roller (9/14/2022 09:12:32 PDT):
>yeah my own opinion tho is that ablations using ppl alone are insufficient

Stephen Roller (9/14/2022 09:12:39 PDT):
>we need the few shot evals

Stephen Roller (9/14/2022 09:12:55 PDT):
>and maybe even the current set of fewshot evals is insufficient

Armand Joulin (9/14/2022 09:15:29 PDT):
>so bsically pile is Redacted

Stephen Roller (9/14/2022 09:16:11 PDT):
Redacted

Armand Joulin (9/14/2022 09:16:52 PDT):
Redacted

Armand Joulin (9/14/2022 09:17:00 PDT):
Redacted

Armand Joulin (9/14/2022 09:17:11 PDT):
Redacted

Stephen Roller (9/14/2022 09:18:28 PDT):

>I mean. Redacted

Stephen Roller (9/14/2022 09:18:43 PDT):
>That seems a bit too far lol

Armand Joulin (9/14/2022 09:18:57 PDT):
>of course

Stephen Roller (9/14/2022 09:19:13 PDT):
>But can we pull a google and train on it, publish it, and just don't say where it's coming from?

Stephen Roller (9/14/2022 09:19:20 PDT):
>That's my open question

Armand Joulin (9/14/2022 09:19:22 PDT):
>errrrh

Armand Joulin (9/14/2022 09:19:29 PDT):
>nope

Stephen Roller (9/14/2022 09:19:33 PDT):
>Bc that's what google is doing

Armand Joulin (9/14/2022 09:19:42 PDT):
>but we could train a model on it, and one without it

Stephen Roller (9/14/2022 09:20:13 PDT):
>Can we?

Armand Joulin (9/14/2022 09:20:27 PDT):
>and contact the lawyers Redacted
Redacted

Armand Joulin (9/14/2022 09:20:37 PDT):
>at 70 gb yes

Armand Joulin (9/14/2022 09:20:42 PDT):
>I imagine

Armand Joulin (9/14/2022 09:20:53 PDT):
>and then make a srt task to Redacted

Armand Joulin (9/14/2022 09:21:15 PDT):
Redacted

Stephen Roller (9/14/2022 09:21:15 PDT):
>Remember chinchilla is the same flops as gpt3 roughly lol

Stephen Roller (9/14/2022 09:21:27 PDT):
>Palm 62B is half that

Armand Joulin (9/14/2022 09:21:36 PDT):
>whatever

Armand Joulin (9/14/2022 09:21:43 PDT):
>that s not really what I m talking about

Armand Joulin (9/14/2022 09:22:02 PDT):
>I have no idea what model will drive home that message

Stephen Roller (9/14/2022 09:22:16 PDT):
>Yeah I mean we have to plan

Armand Joulin (9/14/2022 09:22:18 PDT):
>point is that could be an angle to get to use and publish on this data

Stephen Roller (9/14/2022 09:22:19 PDT):
>Just pointing out

Armand Joulin (9/14/2022 09:22:23 PDT):
>kk

Stephen Roller (9/14/2022 09:22:31 PDT):
>We have a very finite number of multi million dollar models

Armand Joulin (9/14/2022 09:22:32 PDT):
>I will need to run this through Antoine

Stephen Roller (9/14/2022 09:22:34 PDT):
>That we get to train

Armand Joulin (9/14/2022 09:22:39 PDT):
>sure

Stephen Roller (9/14/2022 09:25:57 PDT):
>One thing I need to flag early now

Stephen Roller (9/14/2022 09:26:08 PDT):
>We're no longer training vanilla transformers

Armand Joulin (9/14/2022 09:26:21 PDT):
>ok

Stephen Roller (9/14/2022 09:26:26 PDT):
>We're training transformer like models

Armand Joulin (9/14/2022 09:26:35 PDT):
>what

Armand Joulin (9/14/2022 09:26:38 PDT):
>haaa

Armand Joulin (9/14/2022 09:26:46 PDT):
>transformer-like models

Stephen Roller (9/14/2022 09:26:48 PDT):
>So just flagging that likely will be a delta in the code base

Armand Joulin (9/14/2022 09:26:56 PDT):
>not we train them like models

Armand Joulin (9/14/2022 09:27:15 PDT):
>sure

Armand Joulin (9/14/2022 09:27:29 PDT):
>that s totally fine, actually probably good

Armand Joulin (9/14/2022 09:27:40 PDT):
>are the changes motivated by flops?

Armand Joulin (9/14/2022 09:27:51 PDT):
>reducing*

Stephen Roller (9/14/2022 09:27:56 PDT):
>The changes seem to make no difference in ablations but significantly help with efficiency

Armand Joulin (9/14/2022 09:28:04 PDT):
>ok

Armand Joulin (9/14/2022 09:28:15 PDT):
>and they scale?

Stephen Roller (9/14/2022 09:28:20 PDT):
>To be a poindexter, not exactly flops

Stephen Roller (9/14/2022 09:28:33 PDT):
>But for your level of abstraction yes :p

Armand Joulin (9/14/2022 09:28:51 PDT):
>I feel insulted and understood at the same time

Stephen Roller (9/14/2022 09:29:19 PDT):
>I mean I'm more than happy to take you through the details but I know you don't want it

Stephen Roller (9/14/2022 09:29:21 PDT):
>Hahaha

Armand Joulin (9/14/2022 09:29:40 PDT):
>I actually do but it is a really bad idea for my own sanity

Stephen Roller (9/14/2022 09:29:45 PDT):
>Anyway it's mostly we switched to palm layers

Armand Joulin (9/14/2022 09:29:47 PDT):
>and mental load

Armand Joulin (9/14/2022 09:29:53 PDT):
>I see

Stephen Roller (9/14/2022 09:30:02 PDT):
>And we axed all biases and affine transforms from the whole network

Stephen Roller (9/14/2022 09:30:14 PDT):
>Bc those are memory bound operations, not compute bound operations

Armand Joulin (9/14/2022 09:30:16 PDT):
>they do the same in palm?

Stephen Roller (9/14/2022 09:30:28 PDT):
>Biases but not the affine

Stephen Roller (9/14/2022 09:30:36 PDT):
>We are going one step further

Armand Joulin (9/14/2022 09:30:44 PDT):
>affine being in the layernorm?

Stephen Roller (9/14/2022 09:31:05 PDT):
>At 66B our ppl curves match basically identically for the first 10k steps

Armand Joulin (9/14/2022 09:31:18 PDT):
>ok

Stephen Roller (9/14/2022 09:31:32 PDT):
>Which seems enough for me to go “yes this scales, no it doesn’t hurt, and it gives us a cumulative 15% speedup”

Armand Joulin (9/14/2022 09:32:02 PDT):
>make sense

Stephen Roller (9/14/2022 09:32:03 PDT):
>It’s weird the affine is there anyway

Stephen Roller (9/14/2022 09:32:13 PDT):
>Bc the affine is always immediately followed by a linear

Stephen Roller (9/14/2022 09:32:21 PDT):
>So. Two linears back to back

Armand Joulin (9/14/2022 09:32:29 PDT):
>well you know.

Stephen Roller (9/14/2022 09:32:29 PDT):
>Why are we bothering? Lmao

Armand Joulin (9/14/2022 09:32:31 PDT):
>deep learning

Armand Joulin (9/14/2022 09:32:47 PDT):
>why do we have seperated key and query matrices

Armand Joulin (9/14/2022 09:33:11 PDT):
>maybe you dont anymore

Armand Joulin (9/14/2022 09:33:19 PDT):
>but in transformer it makes little sense

Stephen Roller (9/14/2022 09:33:23 PDT):
>Ah one of my stretch goal ablations is kill the output projection and trade it for more parameters

Stephen Roller (9/14/2022 09:33:32 PDT):
>And then do the same for V

Armand Joulin (9/14/2022 09:33:41 PDT):
>yeah that s a tough one to remove as far as i remember

Armand Joulin (9/14/2022 09:33:51 PDT):
>V is more tricky

Stephen Roller (9/14/2022 09:33:54 PDT):
>The output projection?

Armand Joulin (9/14/2022 09:34:35 PDT):
>what do you mean actually exactly?

Armand Joulin (9/14/2022 09:34:44 PDT):
>i know the key, value and query

Stephen Roller (9/14/2022 09:34:56 PDT):
>The final bit of MHA layers is an output projection that lets the network mix all the heads

Stephen Roller (9/14/2022 09:35:01 PDT):
>Then a layer norm

Stephen Roller (9/14/2022 09:35:05 PDT):
>Then the ffn

Armand Joulin (9/14/2022 09:35:13 PDT):
>the V?

Stephen Roller (9/14/2022 09:35:41 PDT):
>Nah after V

Armand Joulin (9/14/2022 09:35:44 PDT):
>ha

Stephen Roller (9/14/2022 09:35:59 PDT):
>After V you concat all the heads and do a linear projection

Armand Joulin (9/14/2022 09:36:00 PDT):
>cant remember this one. Let me check my old implementation of transformer

Stephen Roller (9/14/2022 09:36:05 PDT):
>So you can mix the heads

Stephen Roller (9/14/2022 09:36:22 PDT):
>But why? Can't the ffn do that?

Stephen Roller (9/14/2022 09:36:42 PDT):
>There is a non linearity in the form of the layernorm tho

Armand Joulin (9/14/2022 09:39:33 PDT):
>right

Armand Joulin (9/14/2022 09:39:37 PDT):
>I do have a Wo

Armand Joulin (9/14/2022 09:39:40 PDT):
>I forgot about it

Armand Joulin (9/14/2022 09:39:56 PDT):
>yes that s the issue

Armand Joulin (9/14/2022 09:40:22 PDT):
>Wo and Wk should be theoratically useless

Armand Joulin (9/14/2022 09:40:35 PDT):
>in my code I actually have a flag to remove them

Armand Joulin (9/14/2022 09:40:41 PDT):
>but I think it doesn t work

Armand Joulin (9/14/2022 09:40:48 PDT):
>it is from way back

Armand Joulin (9/14/2022 09:41:02 PDT):
>I m jsut trying to remember how these things work :D

Stephen Roller (9/14/2022 09:41:11 PDT):
>If we did get rid of it, palm layers mean we have already fused KQV and FFN1 into one giant 7x matrix

Stephen Roller (9/14/2022 09:41:35 PDT):
>And we would be down to just two giant parameters per layer: the fused thing and the ffn2

Armand Joulin (9/14/2022 09:42:03 PDT):
>yeah

Stephen Roller (9/14/2022 09:42:10 PDT):
>But right now we have an ugly 3rd one in the form of Wo

Armand Joulin (9/14/2022 09:42:12 PDT):
>if it would be working they would have done it

Armand Joulin (9/14/2022 09:42:27 PDT):
>no?

Stephen Roller (9/14/2022 09:42:29 PDT):
>Well like

Stephen Roller (9/14/2022 09:42:32 PDT):
>Not necessarily

Armand Joulin (9/14/2022 09:42:38 PDT):
>ok

Stephen Roller (9/14/2022 09:42:50 PDT):
>One really fun thing is palm layers hurts at 8B and shows no difference at 62B

Stephen Roller (9/14/2022 09:43:05 PDT):
>So they inferred it prolly wouldn't hurt at 540B

Stephen Roller (9/14/2022 09:43:43 PDT):
>So some of these arch changes are more forgiving At Scale (TM)

Armand Joulin (9/14/2022 09:44:01 PDT):
>because the model can recover from them

Armand Joulin (9/14/2022 09:44:03 PDT):
>I imagine

Armand Joulin (9/14/2022 09:44:18 PDT):
>truth is that we also dont know

Armand Joulin (9/14/2022 09:44:29 PDT):
>cause it is not like they are going to make a full ablation at the right scale

Armand Joulin (9/14/2022 09:44:35 PDT):
>one argument could be

Stephen Roller (9/14/2022 09:44:37 PDT):
>This is a hard truth

Armand Joulin (9/14/2022 09:44:41 PDT):
>just go for the fastest

Armand Joulin (9/14/2022 09:44:48 PDT):
>and then push results under this constraint

Stephen Roller (9/14/2022 09:44:53 PDT):
>Bc we can't ablate as many things as we like at scale

Armand Joulin (9/14/2022 09:44:59 PDT):
>that woul dbe actually my philosophy

Stephen Roller (9/14/2022 09:45:09 PDT):
>I keep calling it Eminem machine learning

Stephen Roller (9/14/2022 09:45:17 PDT):
>Cuz you only got one shot

Armand Joulin (9/14/2022 09:45:21 PDT):
>haha

Armand Joulin (9/14/2022 09:45:56 PDT):
>I mean you can also just say that you remove Wo because fuck it, and then make an ablation to try to recover the perf loss in other cheap ways

Armand Joulin (9/14/2022 09:46:20 PDT):
>instead of moving along a line that is always tied to the original transformer

Stephen Roller (9/14/2022 09:47:17 PDT):
>yeah i mean, if it gives us a 2% speedup and we can train for 2% longer, then fuck it

Stephen Roller (9/14/2022 09:50:10 PDT):
>or i mean

Stephen Roller (9/14/2022 09:50:22 PDT):
>if it even lets you train the 540B without being prohibitively expensive...

Armand Joulin (9/14/2022 10:13:56 PDT):

>Exactly.

Armand Joulin (9/14/2022 10:14:09 PDT):
>i would reverse decision based on what you want to train at the end

Stephen Roller (9/14/2022 10:14:29 PDT):
>we are

Armand Joulin (9/14/2022 10:14:30 PDT):
>And while saying that I fully see how I m making the goals of both teams diverge

Stephen Roller (9/14/2022 10:14:37 PDT):
>we're just also making sure we're not shooting ourselves in the foot as we do that

Armand Joulin (9/14/2022 10:14:40 PDT):
>ha.ha.ha

Armand Joulin (9/14/2022 10:14:46 PDT):
>yeah

Armand Joulin (9/14/2022 10:14:50 PDT):
>make sense

Armand Joulin (9/14/2022 10:15:03 PDT):
>so then there is really a need for both models

Armand Joulin (9/14/2022 10:15:26 PDT):
>but we will figure out how to share as much as possible

Armand Joulin (9/14/2022 11:17:24 PDT):
>Are you fine with Edouard helping you supervising the ablations run by the eng?

Armand Joulin (9/14/2022 11:17:40 PDT):
>he will also send you the ablations he is doing for chinchilla

Stephen Roller (9/14/2022 11:17:49 PDT):
>ofc, i always welcome his feedback

Armand Joulin (9/14/2022 11:17:51 PDT):
>so that you both supervised ablations

Stephen Roller (9/14/2022 11:18:17 PDT):
>i'm totally down for complete co-ownership

Armand Joulin (9/14/2022 11:18:30 PDT):
>will ask same to guillaume and then you can have access to 2 decent RS to help you supervise moar ablations

Armand Joulin (9/14/2022 11:18:50 PDT):
>with the same reprocity (is that a word?)

Stephen Roller (9/14/2022 11:19:00 PDT):
>reciprocity

Stephen Roller (9/14/2022 11:19:31 PDT):
>that's great

Armand Joulin (9/14/2022 11:19:50 PDT):
>Ha yes. That one of the words that the british stole from us

Stephen Roller (9/14/2022 11:20:02 PDT):
>all of the good words

Stephen Roller (9/14/2022 11:20:30 PDT):
>i messaged edouard already to emphasize any ablations we do on his data don't have to be done by us and emphasized i want a feeling of co-ownership

Armand Joulin (9/14/2022 11:20:47 PDT):
>Should I ask them to have susan supervised ablations too? Or she is not supervising this part of the project?

Stephen Roller (9/14/2022 11:21:12 PDT):
>i generally recommend inviting her to everything i'm invited to, and vice versa

Armand Joulin (9/14/2022 11:21:12 PDT):
>Eventually we will be talking about “our” data

Armand Joulin (9/14/2022 11:21:22 PDT):

>sounds good

Armand Joulin (9/14/2022 11:22:03 PDT):
>Will do it once I have work on guillaume

Stephen Roller (9/14/2022 11:22:13 PDT):
>in parallel

Stephen Roller (9/14/2022 11:22:19 PDT):
>as you

Stephen Roller (9/14/2022 11:22:22 PDT):
>i've been 1:1 interfacing with edouard a lot

Stephen Roller (9/14/2022 11:22:32 PDT):
>and susan has been 1:1 interfacing with guillaume a lot

Armand Joulin (9/14/2022 11:22:38 PDT):
>Fantastic

Stephen Roller (9/14/2022 11:22:38 PDT):
>(but not the criss cross)

Stephen Roller (9/14/2022 11:22:54 PDT):
>more or less exploiting our personal relationships for what they're worth

Armand Joulin (9/14/2022 11:23:03 PDT):
>that s the way to go!

Stephen Roller (9/14/2022 11:23:13 PDT):
>but not intentionally. just how it worked out

Stephen Roller (9/14/2022 11:23:15 PDT):
>lol

Stephen Roller (9/14/2022 11:23:21 PDT):
>you always wanna chat with your friends

Armand Joulin (9/14/2022 13:31:41 PDT):
>ok talked to Susan, Edouard, Guillaume and you. Any other senior IC/lead that I should reach out to?

Armand Joulin (9/14/2022 13:31:51 PDT):
>Naman comes to mind immediately.

Armand Joulin (9/14/2022 13:32:24 PDT):
>I ll have a 1:1 with Melanie next week to continue alignment + update her on all of this

Armand Joulin (9/14/2022 13:32:58 PDT):
>we are going to make it work

Armand Joulin (9/14/2022 13:33:38 PDT):
>and as always, any worry or anything that annoys you, I m here to help and support.

Stephen Roller (9/14/2022 13:35:43 PDT):
>Yeah you could ping naman but generally naman just wants everyone to get along

Stephen Roller (9/14/2022 13:36:01 PDT):
>I think so too

Stephen Roller (9/14/2022 13:36:19 PDT):
>I was actually just thinking earlier how much pleasant this alignment is compared to xlmg

Stephen Roller (9/14/2022 13:38:52 PDT):
>Fazil's attempt to align us was very stick driven

Armand Joulin (9/14/2022 13:40:40 PDT):
>I m against stick like approach. You have no obligation to align, nor expectations. This is a manager/leadership duty to increase happiness, optimize resources and maximize impact. So if I can't find alignment, joke's on me.

Stephen Roller (9/14/2022 13:43:01 PDT):
>He was very very Stick driven lol

Armand Joulin (9/14/2022 13:43:29 PDT):
>man research is supposed to be fun

Armand Joulin (9/14/2022 13:51:16 PDT):
>next action item for me:

>- Say hi to Naman
>- report to Melanie next week and strategize with her the next step
>- assess commitment from people in chinchilla and find leverages to increase to 11.