

# **Congratulations Dr. Altmeyer!**



**Your PhD wrapped is here.**

# Let's start with a history of your PhD in 150 commit messages (or so)

Commits on Nov 25, 2021

<b>setup</b> pat-alt committed on Nov 25, 2021	89df4bc	📄	<>
<b>Initial commit</b> pat-alt authored on Nov 25, 2021	Verified 6af05ca	📄	<>

This is how the journey started 😞

Commits on Jan 11, 2022

<b>bleh</b> pat-alt committed on Jan 11, 2022	7e116a0	📄	<>
<b>after work on delft device</b> pat-alt committed on Jan 11, 2022	5ea2ed3	📄	<>
<b>some old changes</b> pat-alt committed on Jan 11, 2022	5242dd6	📄	<>

The first “bleh”

Commits on Jul 8, 2022

<b>bleh</b> pat-alt committed on Jul 8, 2022	0856383	📄	<>
<b>moving to julia</b> pat-alt committed on Jul 8, 2022	05b8ba2	📄	<>

We had the same reaction in the beginning...

-> Commits on Dec 21, 2022

<b>uh all running</b>  pat-alt committed on Dec 21, 2022	50f8cf0  <>
<b>next bug</b>  pat-alt committed on Dec 21, 2022	ff9ef2c  <>
<b>uh</b>  pat-alt committed on Dec 21, 2022	ec6bb16  <>
<b>I just don't know why this isn't working for cat data</b>  pat-alt committed on Dec 21, 2022	0057490  <>
<b>working on models for real-world data</b>  pat-alt committed on Dec 21, 2022	f904091  <>



<b>small fix</b>  pat-alt committed on Jan 11, 2022	6ded3d4  <>
<b>small fix</b>  pat-alt committed on Jan 11, 2022	59fbd7c  <>
<b>small fix</b>  pat-alt committed on Jan 11, 2022	f7e13f4  <>
<b>small fix</b>  pat-alt committed on Jan 11, 2022	f22de71  <>
<b>small fix</b>  pat-alt committed on Jan 11, 2022	b6657dc  <>

**Do five small fixes make a medium fix?**

-o- Commits on Jun 2, 2022

**Generative model is now working. Have realised that it may be wasteful to have a separate generator class for latent space search, since existing generators can be applied to latent variables. Have...**

... detailed thoughts in dev/notes.md

345e8cc  <>

 pat-alt committed on Jun 2, 2022

**This is not the longest commit message you have ever made, but it seemed important**

-o- Commits on Aug 10, 2022

**uff**

 pat-alt committed on Aug 10, 2022

dabd901  <>

**ugh**

 pat-alt committed on Aug 10, 2022

cc94356  <>

**changed the way strict and simple convergence is defined/implemented**

 pat-alt committed on Aug 10, 2022

28e5ad7  <>

-o- Commits on Jan 20, 2023

**slowly slowly**

 pat-alt committed on Jan 20, 2023

1d77de8  <>

**uh**

 pat-alt committed on Jan 20, 2023

9f4d7ae  <>

**uh**

 pat-alt committed on Jan 20, 2023

5f0e8fe  <>

**Gym sounds**

<b>resolved a namespace issue</b> pat-alt committed on Jan 24, 2023	066aa6b  <>
<b>this all seems to be sorted now and tests are passing</b> pat-alt committed on Jan 24, 2023	ed21a7f  <>
<b>seems to be working now</b> pat-alt committed on Jan 24, 2023	e8de350  <>
<b>seems to be working now</b> pat-alt committed on Jan 24, 2023	63bef5f  <>

**There's a language that makes namespaces easier (hint: it starts with "Py", ends with "thon")**

-o- Commits on Jan 29, 2023

<b>uh</b> pat-alt committed on Jan 29, 2023	d32b601  <>
<b>logo</b> pat-alt committed on Jan 29, 2023	ebbb333  <>

-o- Commits on Jan 28, 2023

<b>logo</b> pat-alt committed on Jan 28, 2023	0f65383  <>
<b>logo</b> pat-alt committed on Jan 28, 2023	7a6f95d  <>

**How do you know if a designer is drowning? You hear logologologo**

-o- Commits on Feb 24, 2023

<b>noiiice</b> pat-alt committed on Feb 24, 2023	e3a1fe6  <>
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**\*click\***

<b>uh</b> pat-alt committed on Mar 13, 2023	d259ea0	 
<b>basically sorted</b> pat-alt committed on Mar 13, 2023	da9d3a4	 
<b>basically working</b> pat-alt committed on Mar 13, 2023	6ef683d	 

You have done a lot of sorting in these past few years

-o- Commits on Apr 20, 2023

<b>uh</b> pat-alt committed on Apr 20, 2023	5224c61	 
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-o- Commits on Apr 19, 2023

<b>sorted</b> pat-alt committed on Apr 19, 2023	e2eda55	 
<b>seems to be working</b> pat-alt committed on Apr 19, 2023	22d3d7a	 
 pat-alt committed on Apr 19, 2023	0b1ef55	 
<b>changed variable name</b> pat-alt committed on Apr 19, 2023	ee2d4cf	 

And sometimes the sorting did not help the confusion...

Commits on May 4, 2023

today will be good 😊

pat-alt committed on May 4, 2023

6515fbd  <>

We hope that you can say this about every day 🙌😎

Commits on Aug 25, 2023

macro is functional

pat-alt committed on Aug 25, 2023

0cc0cb8  <>

fuck this

pat-alt committed on Aug 25, 2023

87a1ba2  <>

looks like a macro is the way to go after all?

pat-alt committed on Aug 25, 2023

27ad0ef  <>

not as easy as I thought

pat-alt committed on Aug 25, 2023

3745e63  <>

That may have been one of the shortest crises of faith in your commit history

this should work

pat-alt committed on Sep 4, 2023

d0af582  <>

this should work?

pat-alt committed on Sep 4, 2023

a4369e0  <>

this did work

<b>now we're cooking</b> pat-alt committed on Jun 5, 2024	bdc006d	 
<b>niice</b> pat-alt committed on Jun 5, 2024	b02d769	 
<b>getting there</b> pat-alt committed on Jun 5, 2024	4b070c5	 

Commits on Jun 4, 2024

<b>ok ok</b> pat-alt committed on Jun 4, 2024	65b485e	 
<b>not working</b> pat-alt committed on Jun 4, 2024	885e8cc	 
<b>uff</b> pat-alt committed on Jun 4, 2024	1af160d	 

## This is when JEMs appeared in CE.jl

<b>ok sometimes a simple loop does the trick</b> pat-alt committed on Jan 11, 2025	913486e	 
<b>fucks sake</b> pat-alt committed on Jan 11, 2025	c7a68b9	 

Commits on Jan 10, 2025

<b>bloody dataframes hell</b> pat-alt committed on Jan 10, 2025	ca6329c	 
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## We still have the same reaction to Dataframes...

-> Commits on Feb 16, 2023

uh pat-alt committed on Feb 16, 2023	8981107	 
uh pat-alt committed on Feb 16, 2023	e125ac0	 
uh pat-alt committed on Feb 16, 2023	e75a78f	 
uh pat-alt committed on Feb 16, 2023	c86343b	 
woohoo pat-alt committed on Feb 16, 2023	e438838	 
woohoo pat-alt committed on Feb 16, 2023	ff301f6	 

-> Commits on Apr 23, 2023

working my boi 😎 pat-alt committed on Apr 23, 2023	14cc73c	 
:star-struck: :star-struck: :star-struck: pat-alt committed on May 5, 2023	d2144ab	 
:cry pat-alt committed on May 3, 2023	0ef3a61	 
:laugh: pat-alt committed on May 2, 2023	03e1fc4	 

Clearly an emotional period in the ECCCo history

Commits on Aug 10, 2023

<b>Merge pull request #45 from pat-alt/44-use-energy-instead-of-distance</b> 	6c11c5c  <>
 pat-alt authored on Aug 10, 2023	
<b>uh</b>	a066445  <>
 pat-alt committed on Aug 10, 2023	
<b>why did my brain decide to come up with this last night and not 3 months ago</b>  	7608841  <>
 pat-alt committed on Aug 10, 2023	
  pat-alt committed on Aug 10, 2023	335f713  <>

This was energy delta... seems like it just needed time to charge 

<b>que cono</b>	a52d022  <>
 pat-alt committed on Sep 11, 2023	
<b>matame</b>	d09efd1  <>
 pat-alt committed on Sep 13, 2023	

¿Qué más aprendiste durante tu estancia en Barcelona?

<b>fuck em</b>	6fb3844  <>
 pat-alt committed on Sep 24, 2023	
<b>progres</b>	667f7a1  <>
 pat-alt committed on Sep 24, 2023	
<b>git add .</b>	c778694  <>
 pat-alt committed on Sep 24, 2023	

Who was the em here? 

Commits on Sep 30, 2024

<b>poc working</b> 	pat-alt committed on Sep 30, 2024	a3ca227		
<b>uh</b>	pat-alt committed on Sep 30, 2024	a5c27a3		
<b>first commit</b>	pat-alt committed on Sep 30, 2024	f01e41e		
<b>Files generated by PkgTemplates</b> 	pat-alt committed on Sep 30, 2024	550ae76		
<b>Initial commit</b>	pat-alt committed on Sep 30, 2024	d80dd51		

Project done in 5 commits? 

## Actually that seems to have been the start to the longest fight of your PhD...

<b>why why why</b>  pat-alt committed on Dec 9, 2024	93dc0e8  
<b>bloody hell</b>  pat-alt committed on Dec 9, 2024	938b440  
<b>:(</b>  pat-alt committed on Dec 9, 2024	2a7d2c6  
<b>I don;t get it</b>  pat-alt committed on Dec 9, 2024	c13646e  
<b>why</b>  pat-alt committed on Dec 9, 2024	5fa05e8  

<b>another one</b>  pat-alt committed on Dec 9, 2024	7818cd7  
<b>comeon</b>  pat-alt committed on Dec 9, 2024	45b817d  
<b>claude approach</b>  pat-alt committed on Dec 9, 2024	adf68ce  

**try this**

 pat-alt committed on Dec 9, 2024

85202b5  

**ok?**

 pat-alt committed on Dec 9, 2024

cd05eed  

**ok?**

 pat-alt committed on Dec 9, 2024

7509c87  

**I must be getting close**

 pat-alt committed on Dec 10, 2024

5eee74e  

**man**

 pat-alt committed on Dec 10, 2024

a22fbe7  

**kiiding me**

 pat-alt committed on Dec 10, 2024

21b6c44  

**ugh**

 pat-alt committed on Dec 11, 2024

c8f5662  

**come on**

 pat-alt committed on Dec 11, 2024

f22c436  

**why why why**

 pat-alt committed on Dec 11, 2024

65bcf84  

**i don't get it**

 pat-alt committed on Dec 11, 2024

41fdcc6  

**what a journey**

 pat-alt committed on Dec 11, 2024

a0850a7  

**manifest**

 pat-alt committed on Dec 11, 2024

bb89f1d  <>

**manifest**

 pat-alt committed on Dec 11, 2024

7df2dfb  <>

**manifest**

 pat-alt committed on Dec 11, 2024

7125088  <>

**manifest**

 pat-alt committed on Dec 11, 2024

eeafc69  <>

**manifest**

 pat-alt committed on Dec 11, 2024

f4558f4  <>

**manifest**

 pat-alt committed on Dec 11, 2024

7d826ed  <>

**manifest**

 pat-alt committed on Dec 11, 2024

b2039b2  <>

**manifest**

 pat-alt committed on Dec 11, 2024

eef8a9  <>

**manifest**

 pat-alt committed on Dec 11, 2024

d5cb381  <>

**manifest**

 pat-alt committed on Dec 11, 2024

8c7980e  <>

**manifest**

 pat-alt committed on Dec 11, 2024

0dfb4f6  <>

**manifest**

 pat-alt committed on Dec 11, 2024

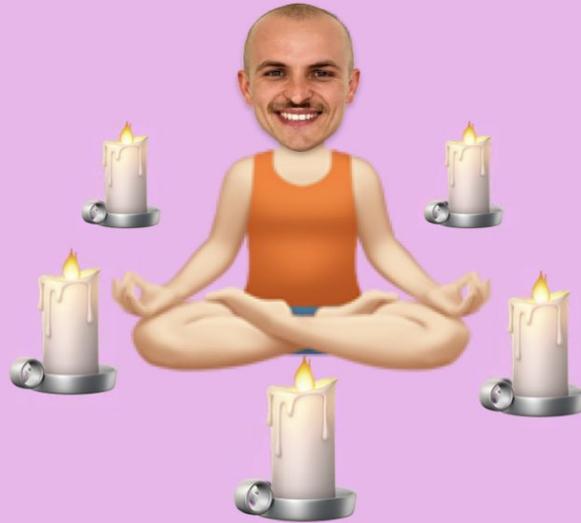
f880824  <>

**manifest**

 pat-alt committed on Dec 11, 2024

eaebc8d  <>

Manifesting to get ~~rich without doing~~  
~~anything~~ the POC working again



-o- Commits on Dec 13, 2024

**ok we're getting there**

 pat-alt committed on Dec 13, 2024

df9bf53  <>

**all working locally**

 pat-alt committed on Dec 16, 2024

be10813  <>

**oh yehhh**

 pat-alt committed on Dec 16, 2024

f03732c  <>

**ok go run this shit**

 pat-alt committed on Dec 19, 2024

30c411a  <>

**this has to bloody work now**

 pat-alt committed on Dec 19, 2024

ae09630  <>

**alrighty**

 pat-alt committed on Dec 19, 2024

9e81254  <>

**POC finally working again also for LeNet lets gooooooooooooo**

 pat-alt committed on Jan 3, 2025

0597bc8  <>

... but you succeeded!

the joys of quarto and julia and latex and shootme

 pat-alt committed on Jan 28, 2025

6e115ca  <>

It is definitely a bit of self-inflicted pain (but the thesis website is so cool!)

-o- Commits on Feb 16, 2025

nearly there here

 pat-alt committed on Feb 16, 2025

966eb02  <>

nice

 pat-alt committed on Feb 16, 2025

96176d8  <>

beautiful

 pat-alt committed on Feb 16, 2025

d81a36b  <>

final tweaks

 pat-alt committed on Feb 16, 2025

fe209c2  <>

Unfortunately, only the third time was the charm... SaTML  

ok now

 pat-alt committed on Mar 15, 2025

8ded317  <>

done

 pat-alt committed on Mar 15, 2025

071c235  <>

vamoooooooo

 pat-alt committed on Mar 15, 2025

237c262  <>

vamoooooooo

 pat-alt committed on Mar 15, 2025

a45f885  <>

¡Ah, ya veo qué más aprendiste!

Commits on Sep 20, 2025

**running ablations**

 pat-alt committed on Sep 20, 2025

13ef660  <>

**hard to believe I am doing this from Sri Lanka**

 pat-alt committed on Sep 20, 2025

28214ce  <>

**greetings from Kuala lumpur**

 pat-alt committed on Sep 21, 2025

b3e8ffb  <>

**greetings from Seoul**

 pat-alt committed on Sep 22, 2025

817b1dd  <>

**Slowly slowly, nearly there**

**camera-read**

 pat-alt committed 3 weeks ago

383460c  <>

**And here you are #PhDone**



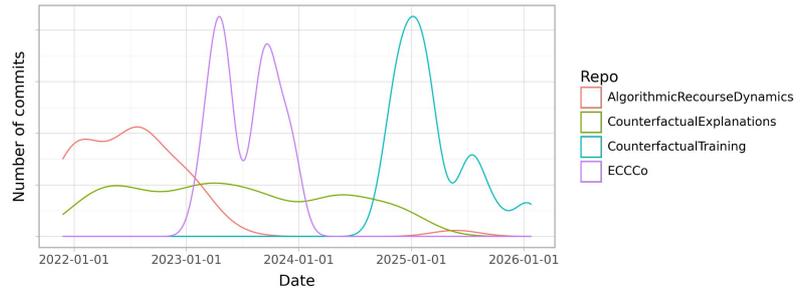
greetings from Taipei

 pat-alt committed on Jan 25, 2026

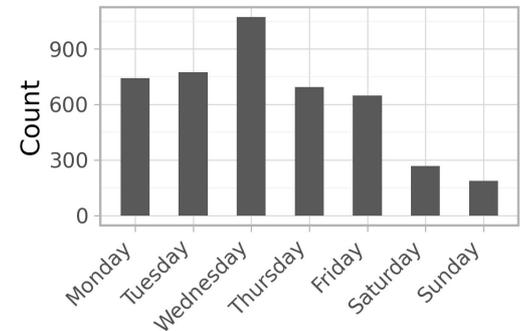
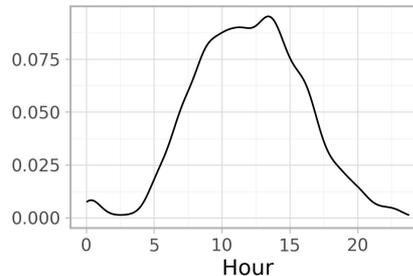
Vam00ss  

# Time for some statistics!

Can you tell when  
were the deadlines?



That's some  
impressive  
work-life balance!  
Nice one 🕶️



## We ran our advanced trustworthy AI on your commits. Here are some common n-grams:

### 2-grams:

- work on: 111
- more work: 41
- small fix: 31
- slowly slowly: 23
- bloody hell: 17
- nearly there: 11
- kill me: 6

### 3-grams:

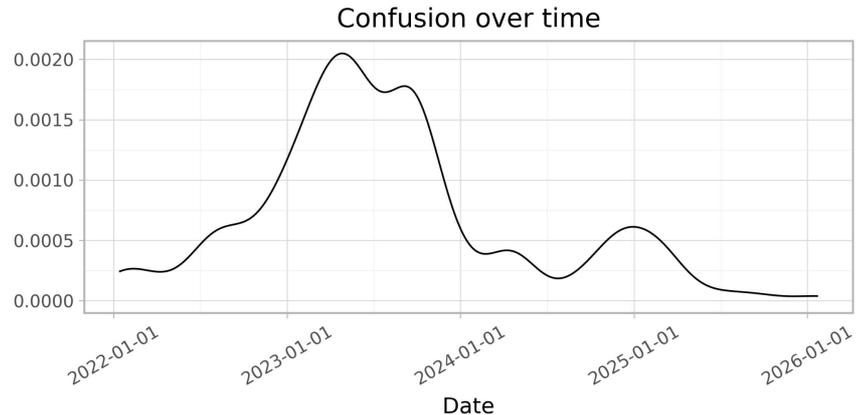
- not sure why: 9
- let's try this: 7
- should do it: 6
- good old formatting: 5
- don't get it: 3

**Remember those?**

# You may have been confused at times ...

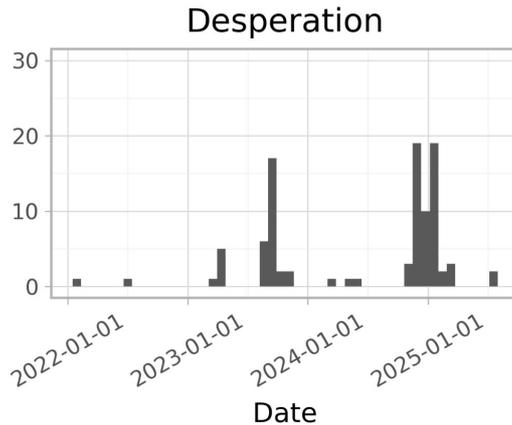
You had lots of variations of “uh”:

- *uh* (116 times!),
- *huh*,
- *buah*,
- *blihbluh*,
- *bluh*,
- *uuhhh whoops*,
- *uhhh*,
- *uhuhuh*,
- *uhlala*

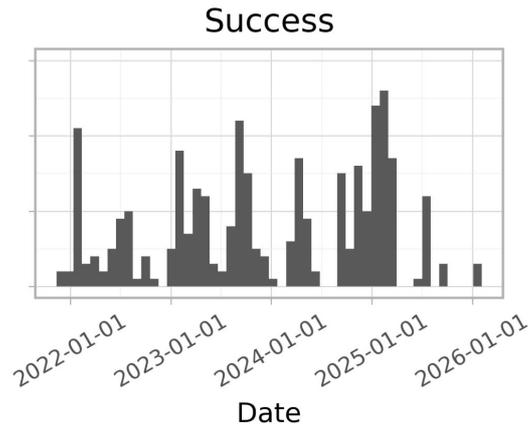


... at least at the beginning.

## And maybe a bit frustrated ...



phrases: *bloody hell, shit, fuck, pls, please, god, damn,* 😞



phrases: *done, fixed, progress, vamos, works,* 🔥, *working now, nice*

... but your commits show that you've had many successes.

Your success coefficient ("fixed"/"fixing") is over 13!

## And most importantly ...

you had only 3 commits containing “*german*”:

- german credit specs up
- upped spec for german credit
- change to german credit

while using “*polish*” in 17 commits:

- more polishing
- works, just needs to be polished now
- [...] Tomorrow polishing.
- all polished
- ...

**... so get ready for your honorary Polish passport!!!**



**Thank you for taking us  
on this journey with you, Patrick!**



Wishing you all the best,  
Aleksander & Karol