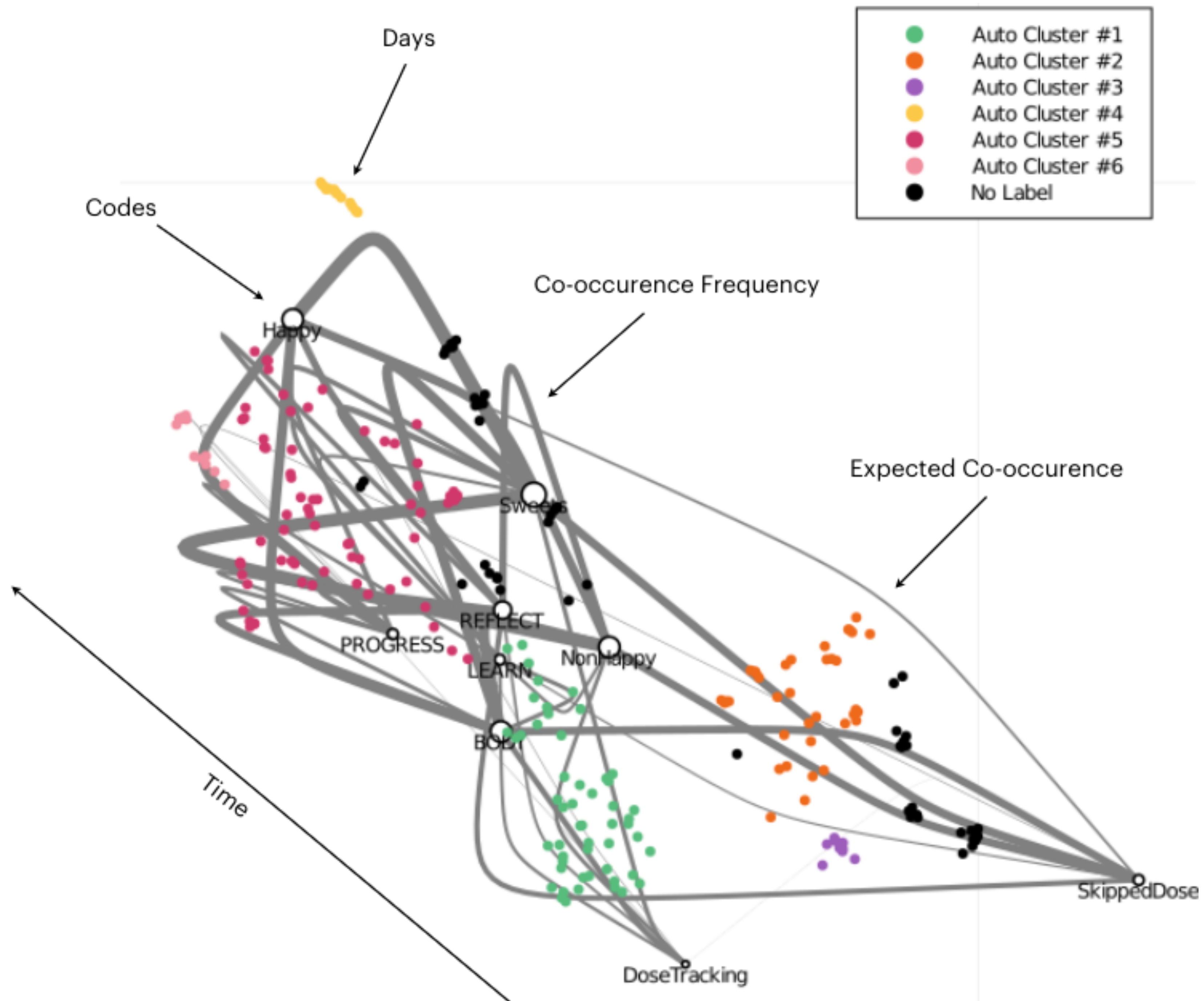


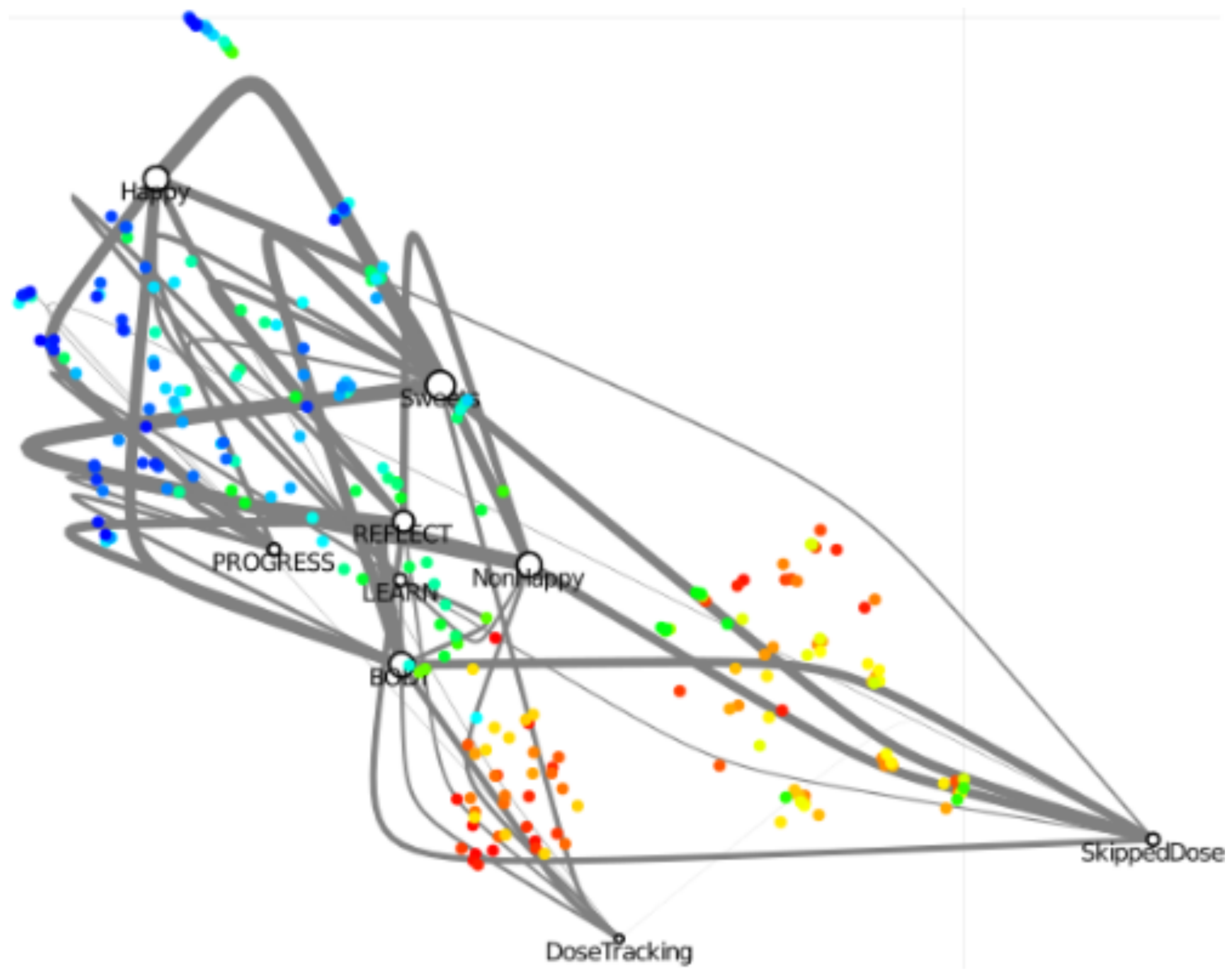
Telling Stories of Transitions

Sharing the Endeavors of Quant and Qual Research

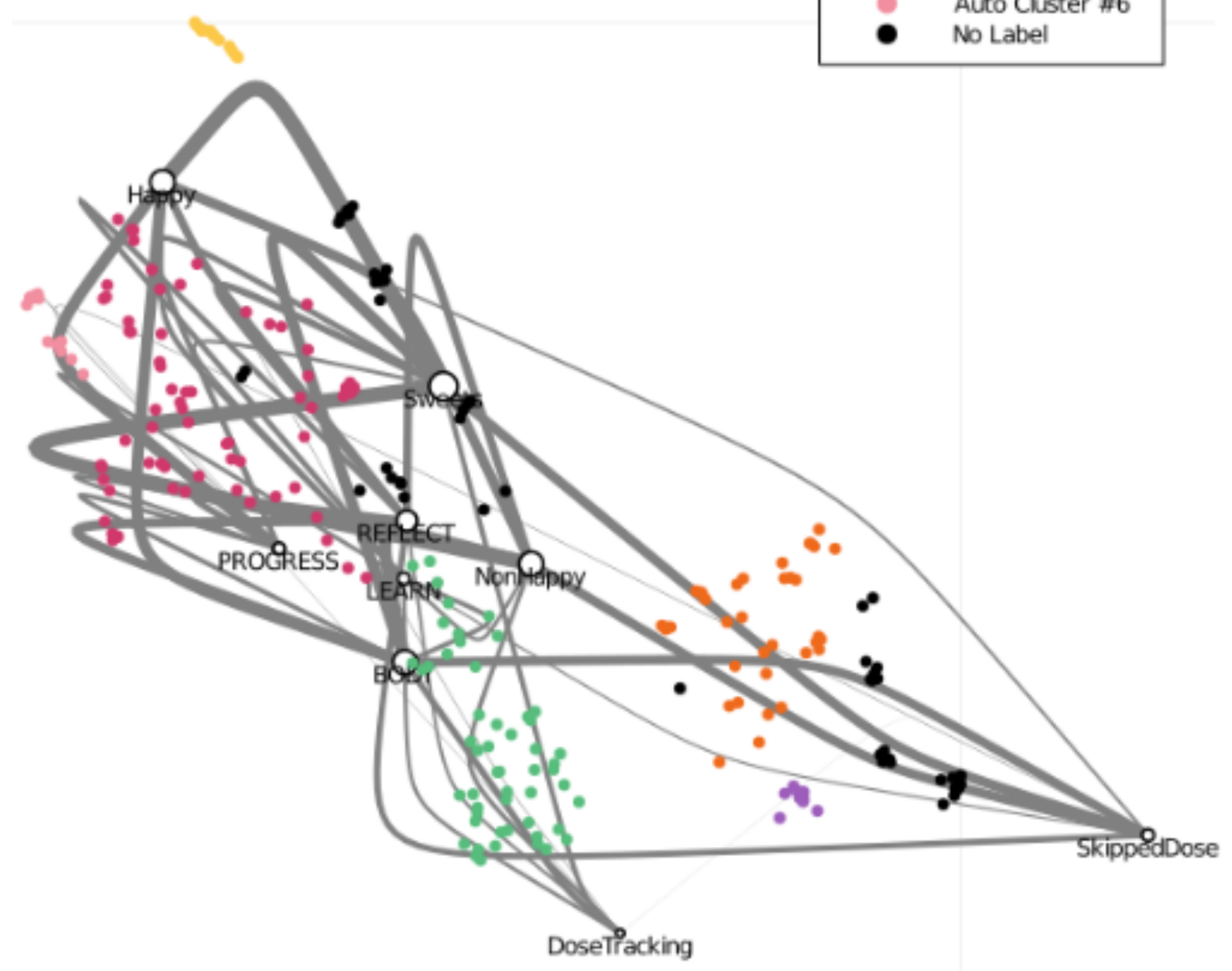
Mariah A. Knowles • she/her • mariahknowles.com



Color-coded by time



Color-coded by similarity



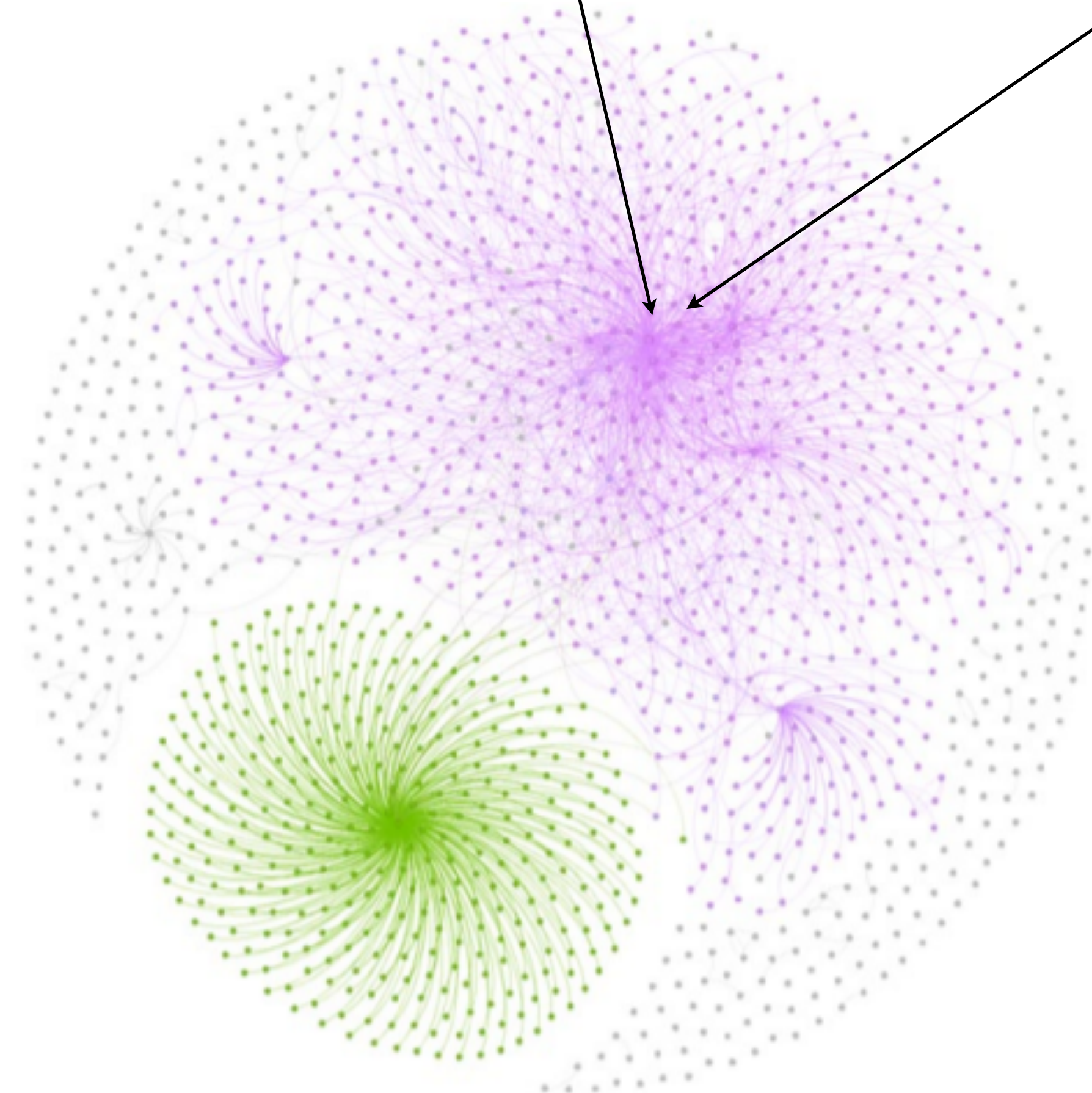
Part One:
What is a Story?
How do we Model it?
Why?

- Research has two steps.
 - Step one: Get the story fucking right.
 - Step two: Tell the moral of the story.
- My role as a mixed-methods researcher: Tell a rich qualitative story whose turns are guided by quantitative features

#GirlsLikeUs: Trans advocacy and community building online

**Sarah J Jackson, Moya Bailey
and Brooke Foucault Welles**
Northeastern University, USA

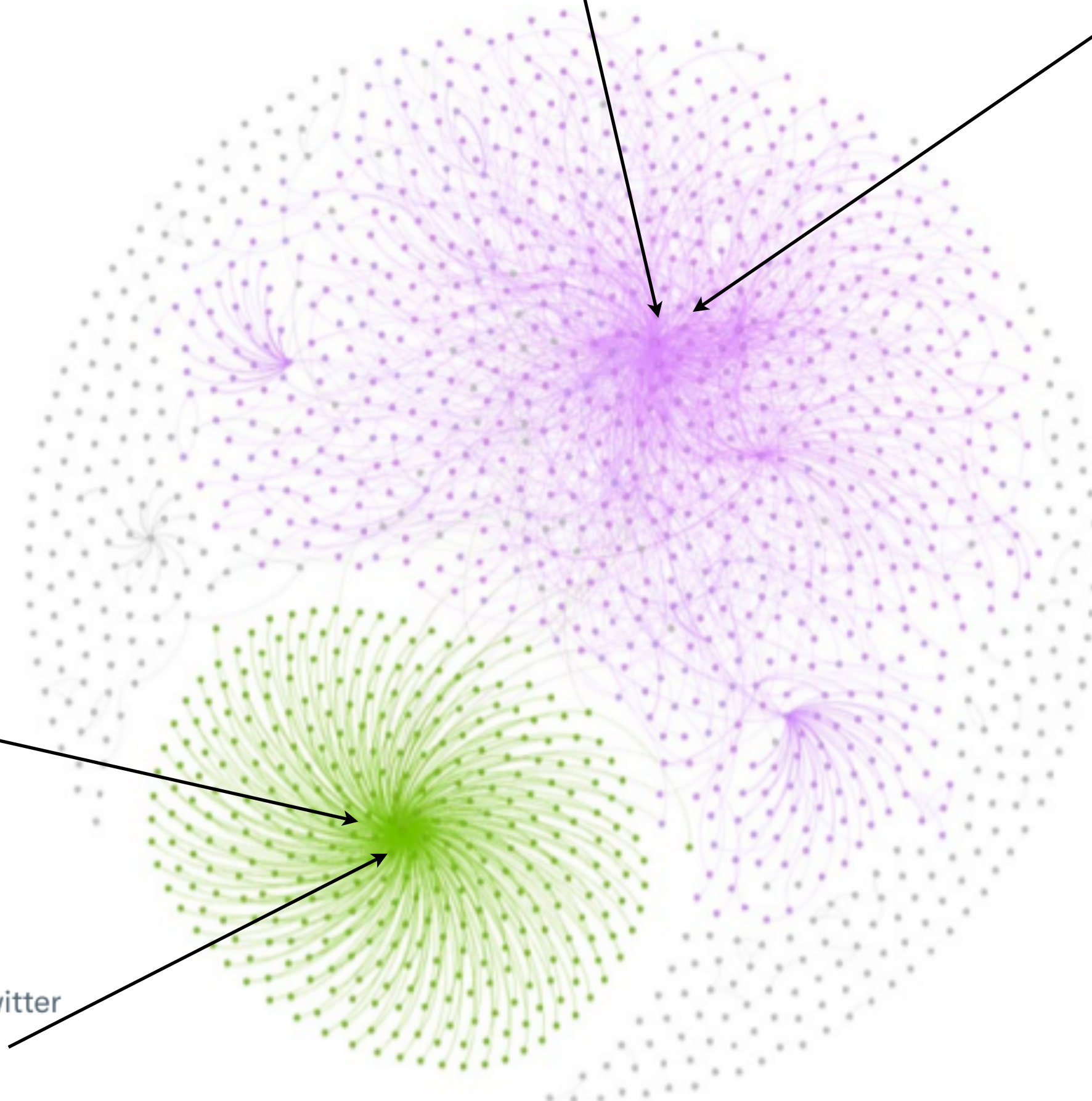
new media & society
2018, Vol. 20(5) 1868–1888
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DOI: 10.1177/1461444817709276
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#GirlsLikeUs: Trans advocacy and community building online

Sarah J Jackson, Moya Bailey and Brooke Foucault Welles
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This account doesn't exist

Try searching for another.

Account suspended

Twitter suspends accounts which violate the Twitter Rules. [Learn more](#)

#GirlsLikeUs: Trans advocacy and community building online

new media & society
2018, Vol. 20(5) 1868–1888
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DOI: 10.1177/1461444817709276
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Sarah J Jackson, Moya Bailey

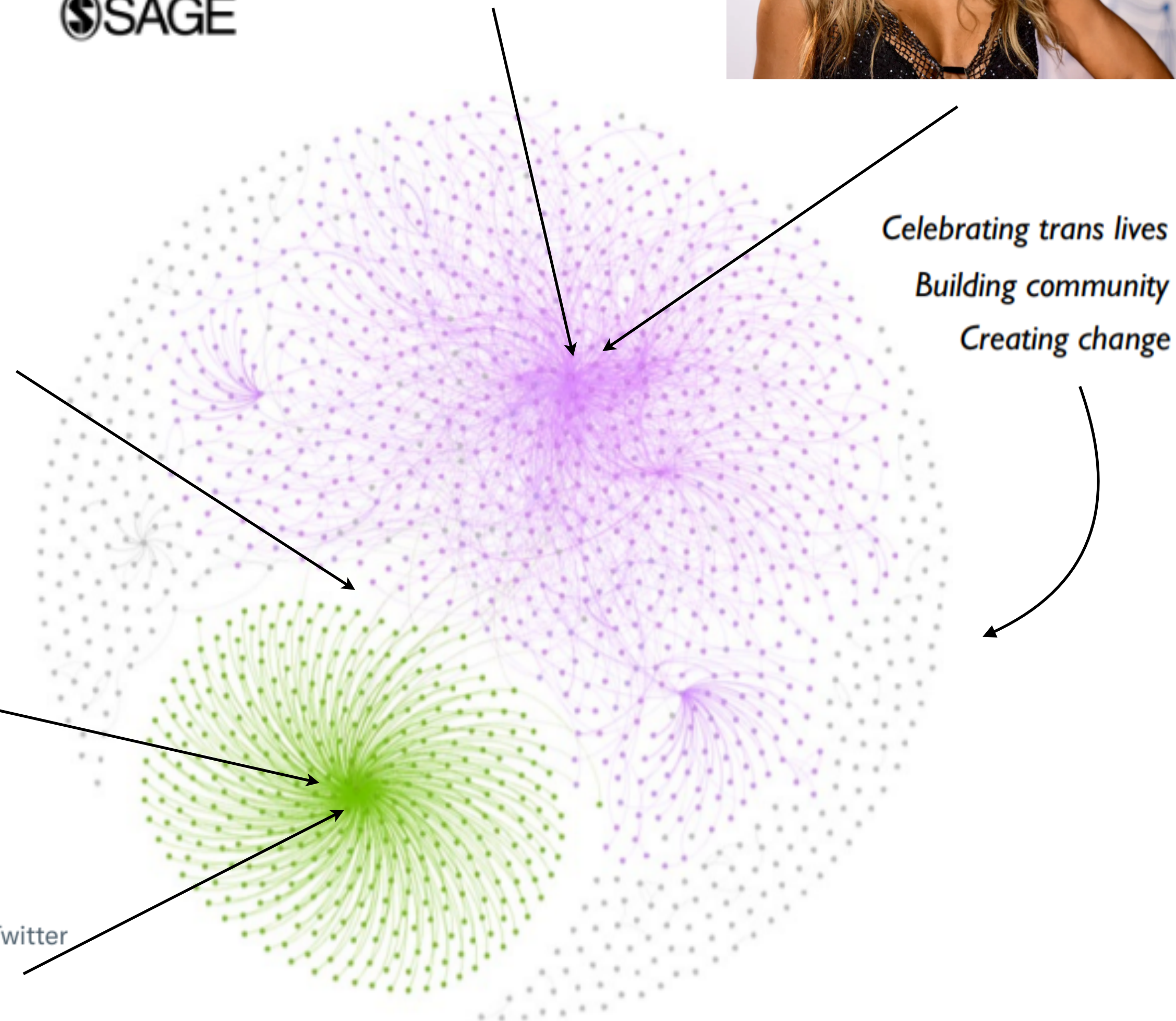
While Mock and Cox remain central to the network and thus help shape the scope of the conversation therein, neither they nor other members of the network engage in any policing behavior or attempt to control the discourse of others who use the hashtag. In other words, conservative users of the hashtag are ignored, but they are not reprimanded, while other users are actively rewarded by one another through attention and connection.

This account doesn't exist

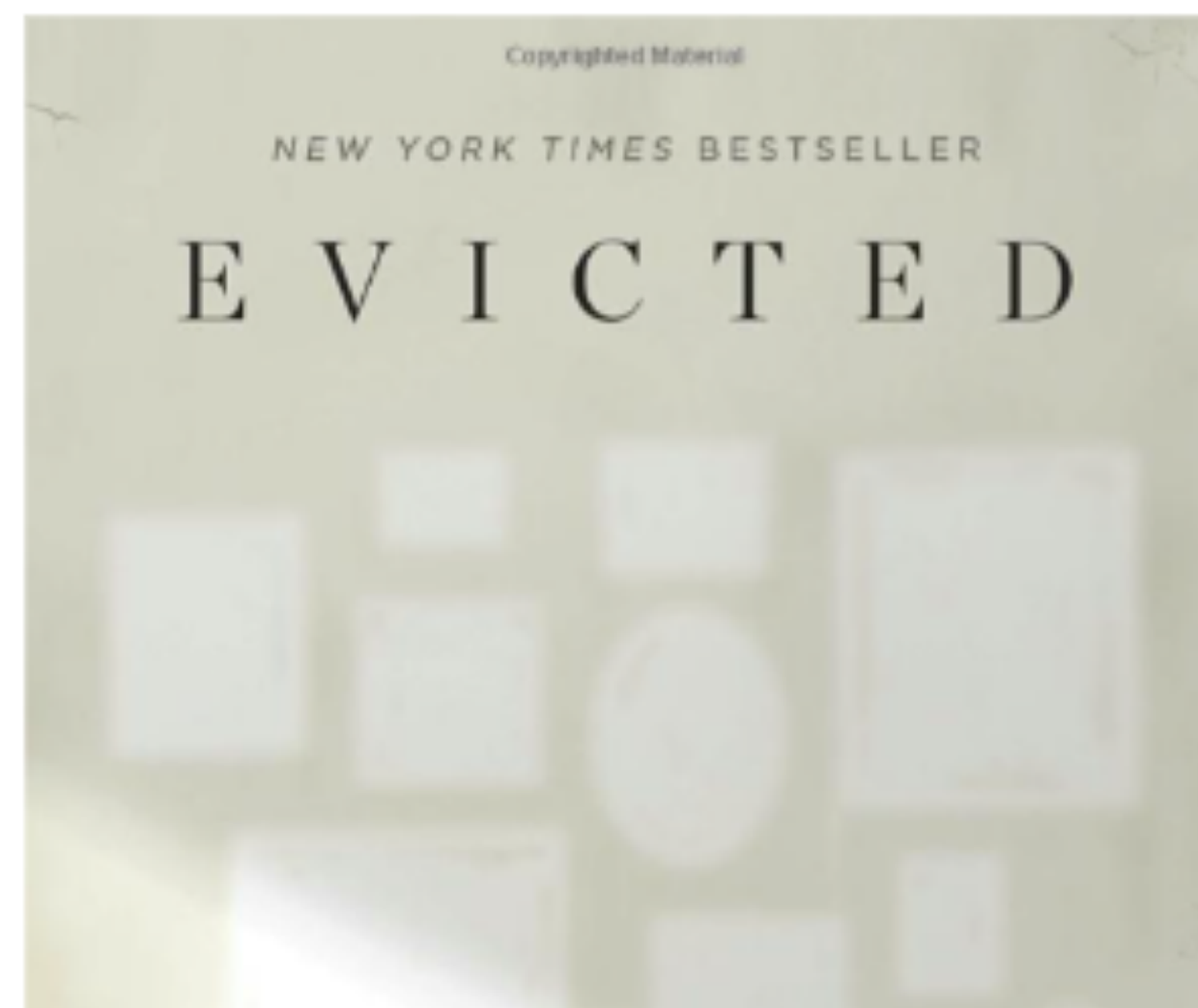
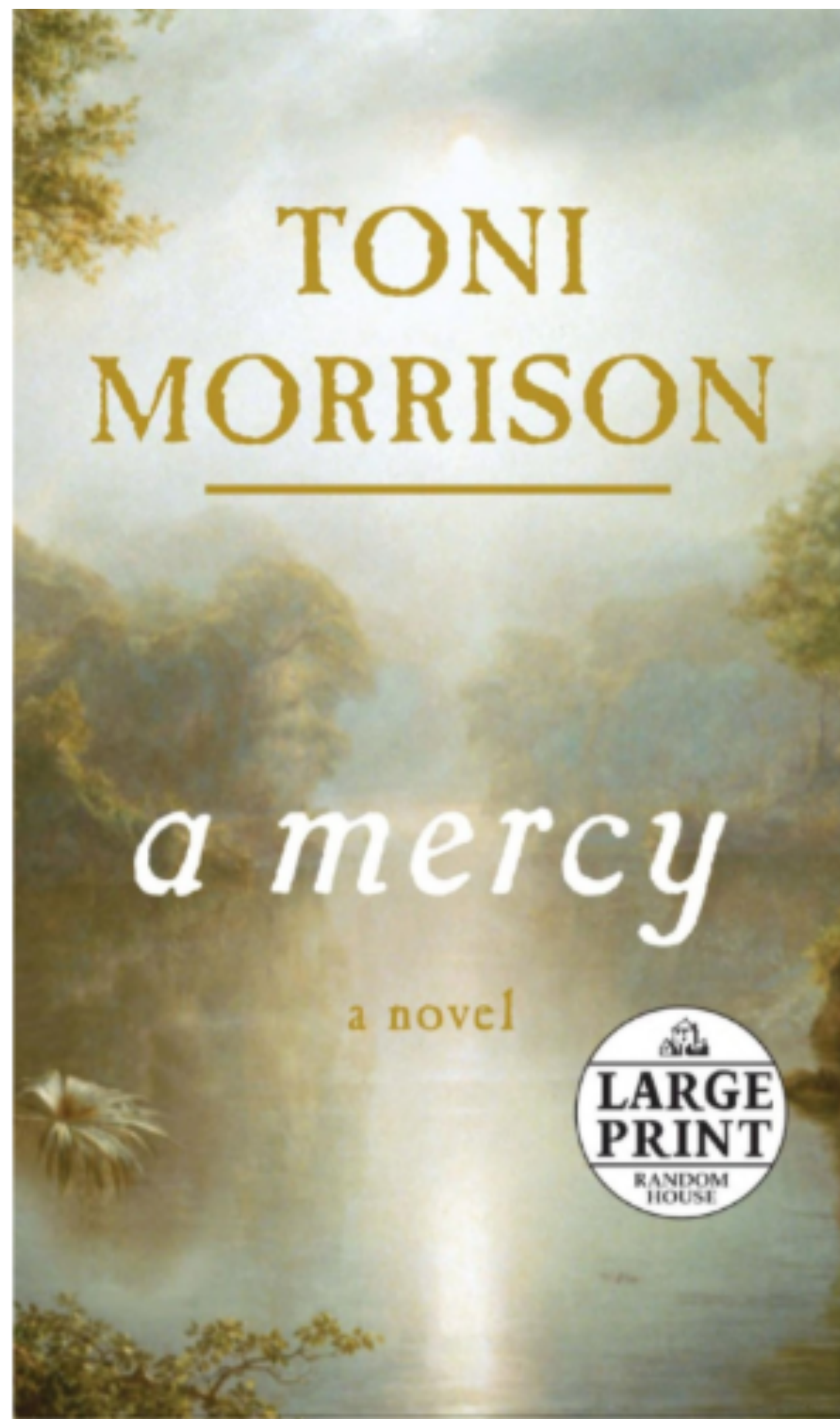
Try searching for another.

Account suspended

Twitter suspends accounts which violate the Twitter Rules. [Learn more](#)



Why *that* telling of the story?



Targeted

By **KATHLEEN McGRORY** and **NEIL BEDI**

Photos by **DOUGLAS R. CLIFFORD**

Times staff

Sept. 3, 2020

Pasco County Sheriff Chris Nocco took office in 2011 with a bold plan: to create a cutting-edge intelligence program that could stop crime before it happened.

- Stories are composed of a set of phenomena and the interweaving between them.
- When we tell stories, we tell them with paragraph breaks: We make the decision to group certain events together because we believe their phenomena share some sense of similarity, and we spend time discussing that group of events's content and import before moving on.

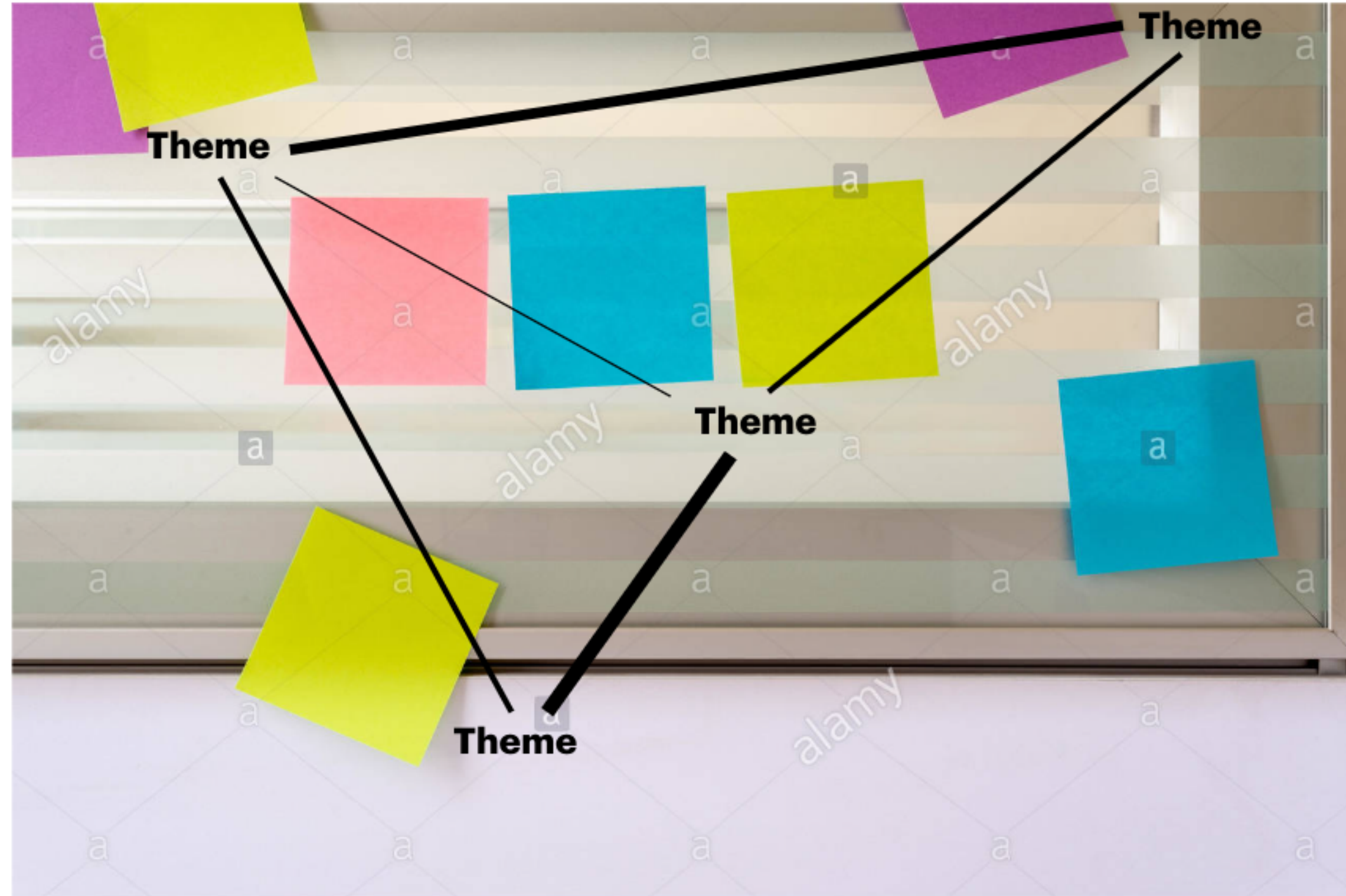
- We hang those paragraphs together into some larger global narrative structure, and that global structure usually has analytical import: We break the story into separable themes, a before vs. after, tell it as a story that moves over time, break it into alternating accounts of two contrasting groups, or so on.
- No telling is neutral, and we deepen our analytic insight as we write, as we flesh out, investigate, and interrogate why our telling ought be the right one.

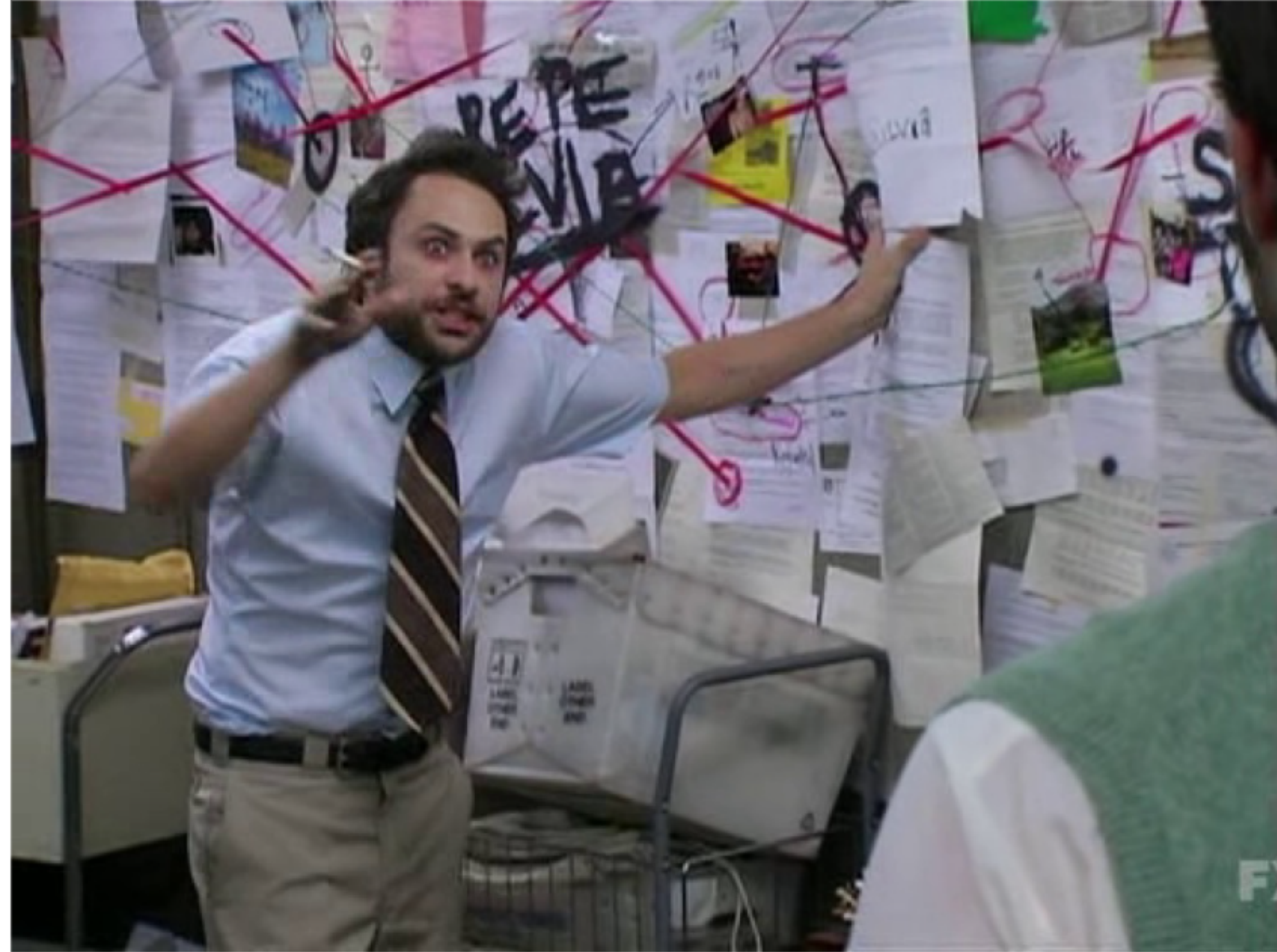
- Usually we trust good qualitative stories just because they are well told!
 - Qualitative research is often perspectival, and we humans are perfectly used to making sense from others experiences.
 - But selling us that your research is well done is harder in at least three cases.
- Case one: You haven't looked at all the data (Twitter, Facebook, ...)
 - Case two: You have a sensitive test (nested data like kids in classes in schools in districts, continuous variables like time, ...)
 - Case three: You lack authority to claim saturation of your own experiences (trans narratives, abortion narratives, ...)

What do?









- If you are right (about your themes and how you've arranged them in relation to your data)
- And you have a grip on your data
- Then there is an underlying mathematical relationship

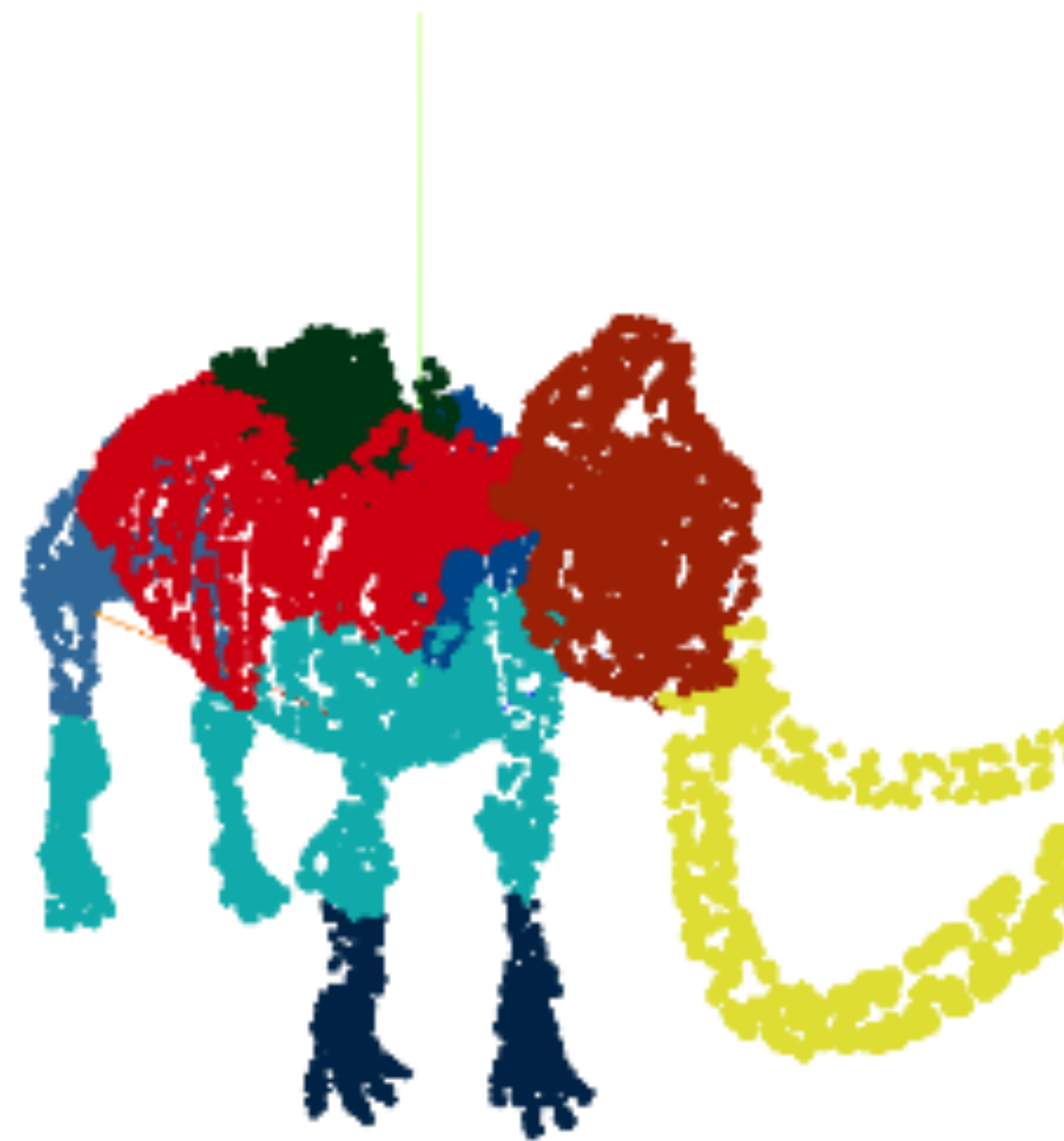
- We can use that for statistical evidence for saturation
- We can use that to guide the turns of our story

Multi-Dimensional Scaling

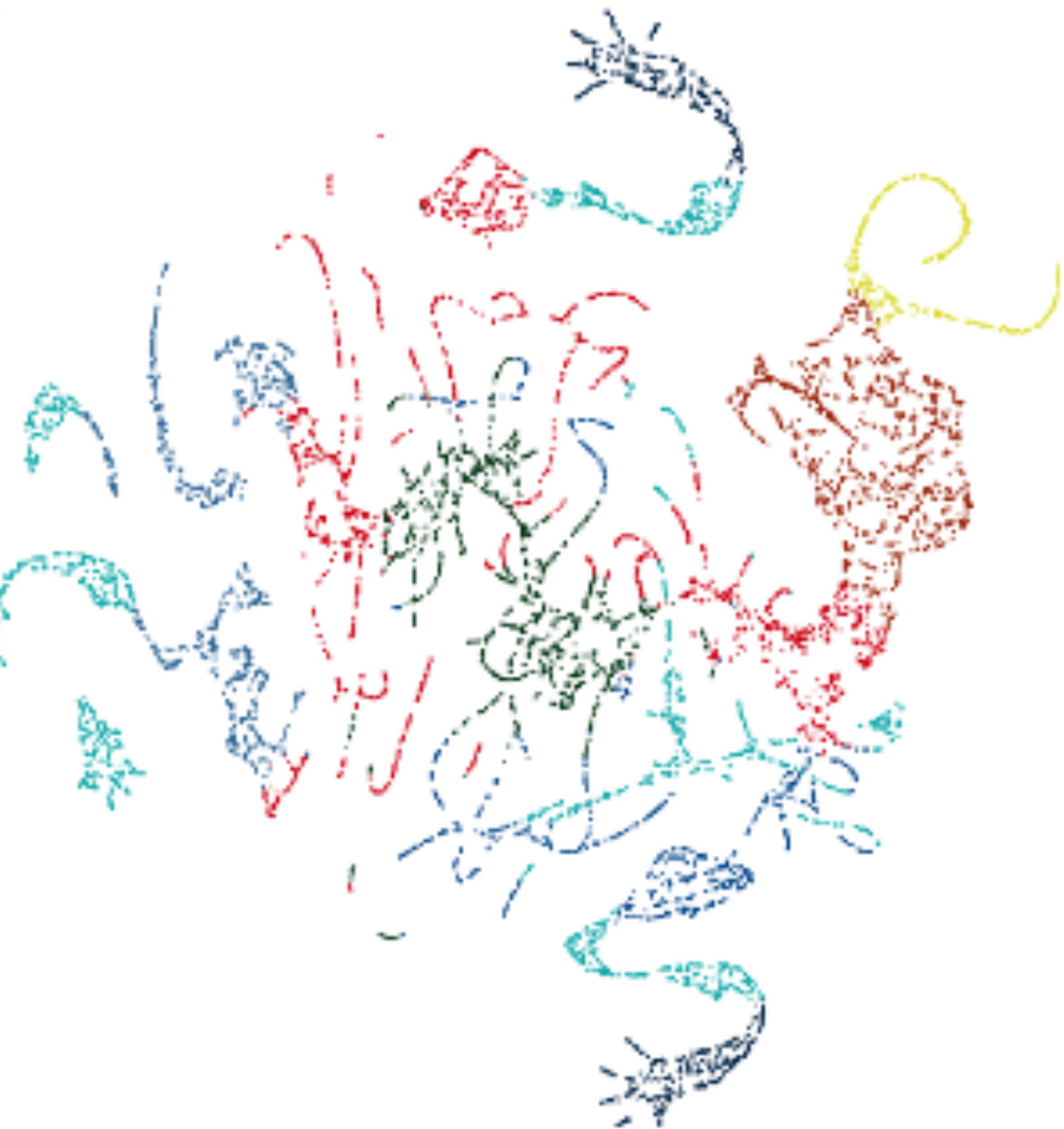
Flatten the space while highlighting features of interest

Like this, but it's from like 27D data down to just 2D!!!

Original 3D Data



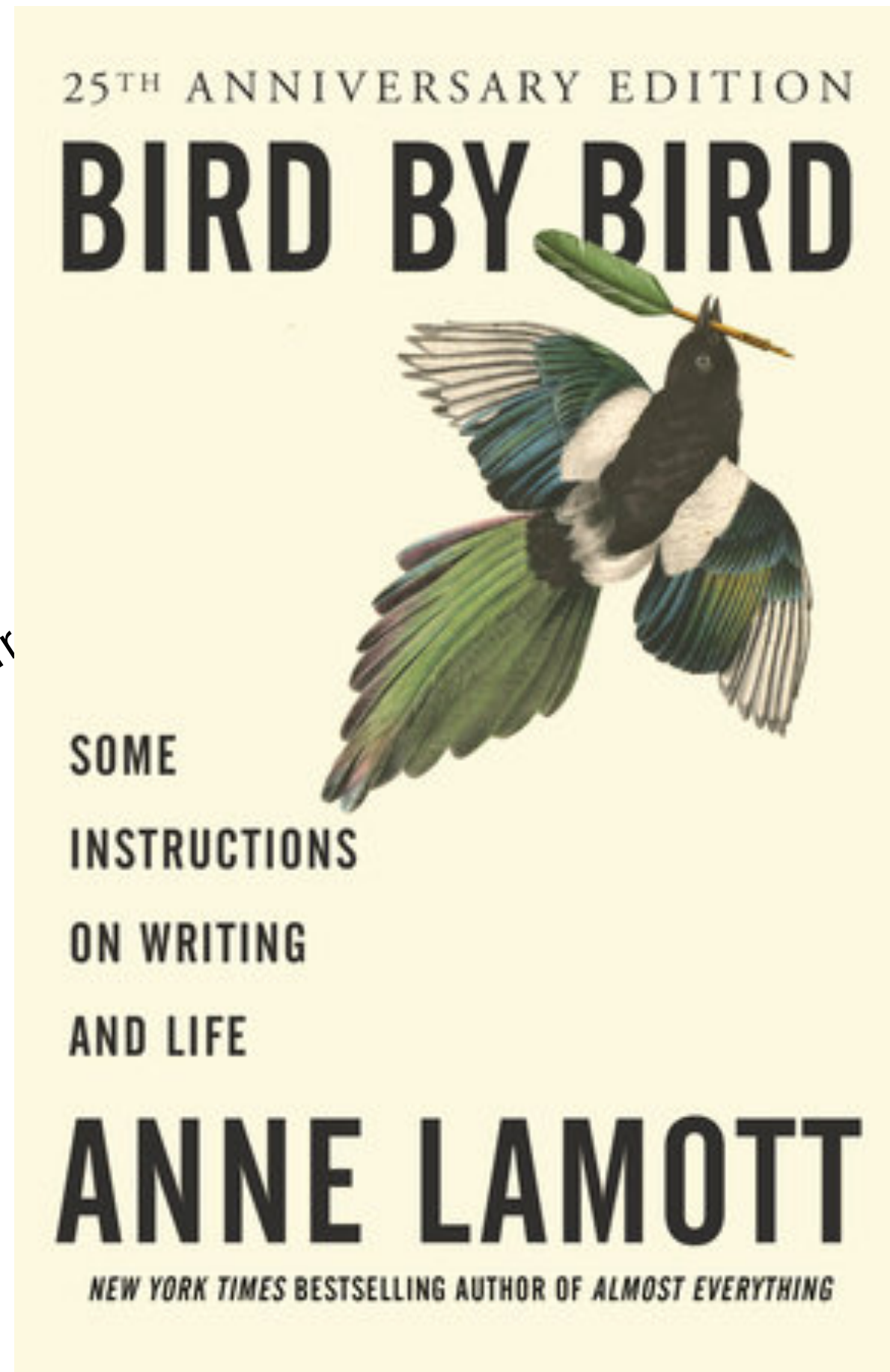
2D UMAP Projection



Close the Interpretive Loop

Use quant features (a well chosen one-inch picture frame) to guide how you re-read (question, interpret, ...) the original qual data

Like this, but it's fr



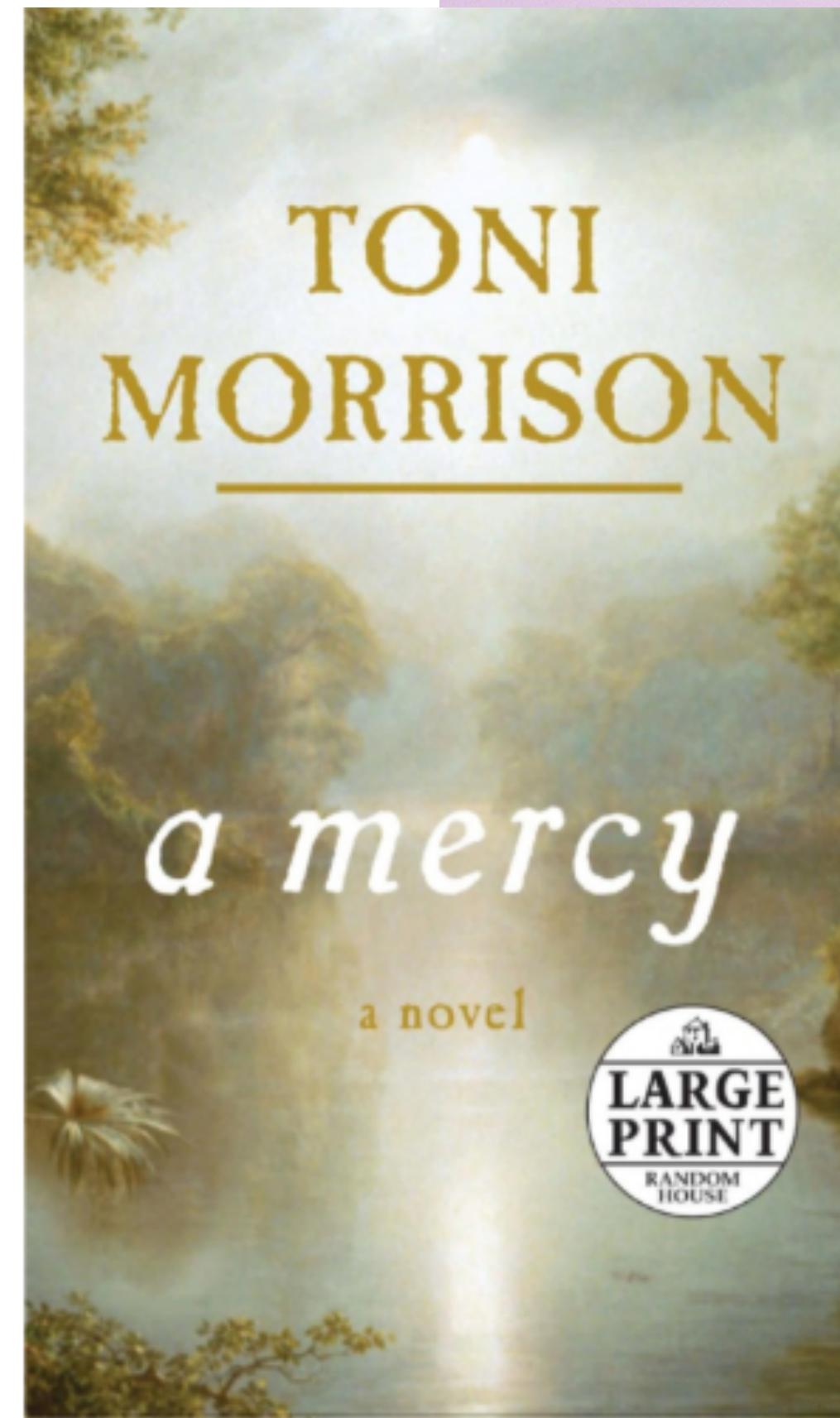
Original 3D Data



2D UMAP Projection



Get the story fucking right



Targeted

By **KATHLEEN McGRORY** and **NEIL BEDI**

Photos by **DOUGLAS R. CLIFFORD**

Times staff

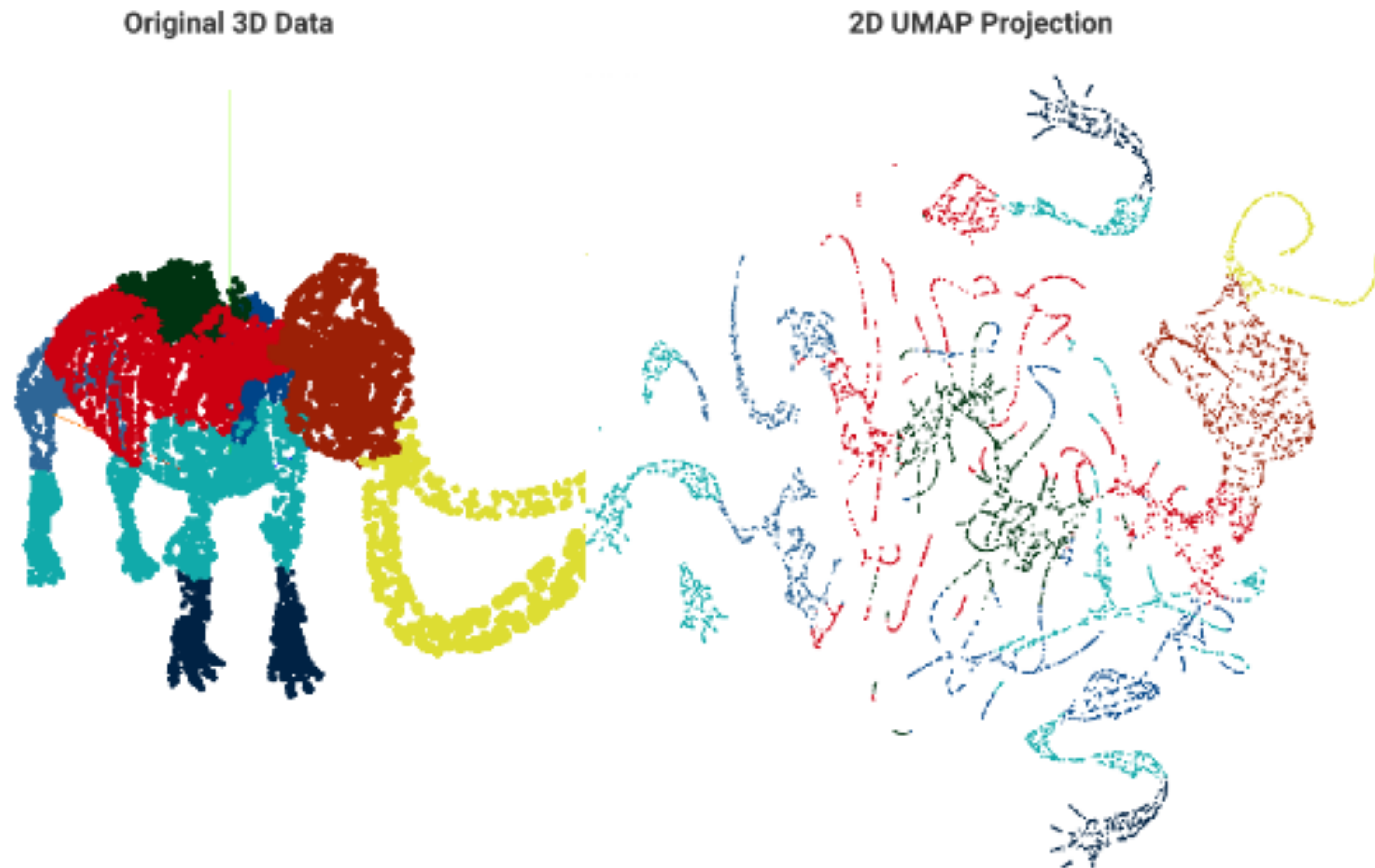
Sept. 3, 2020

Pasco County Sheriff Chris Nocco took office in 2011 with a bold plan: to create a cutting-edge intelligence program that could stop crime before it happened.

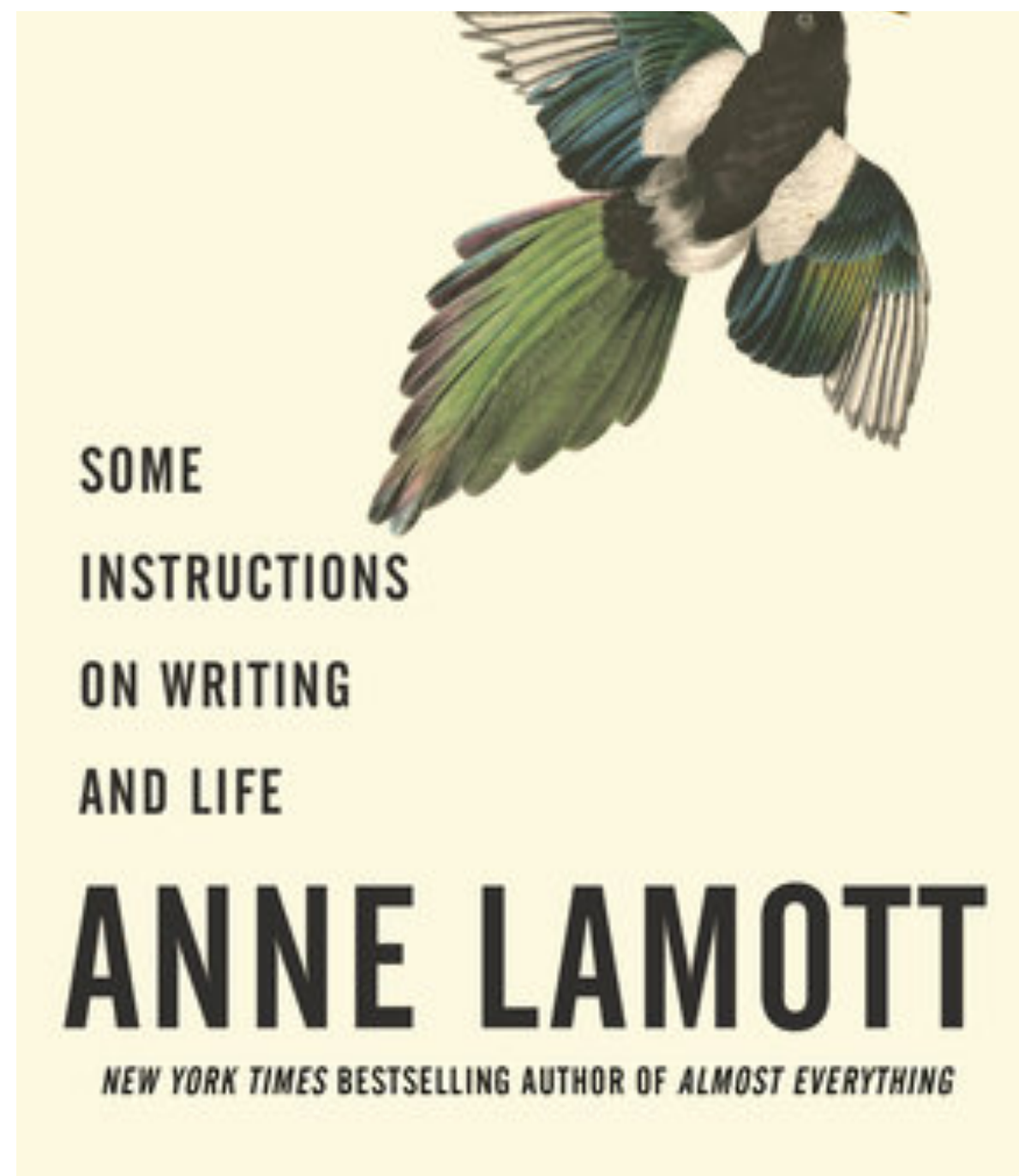
- Stories are composed of a set of phenomena and the interweaving between them.

Family	Name	Letter	Recipe	DoseTracking	SkippedDose	Happy	NonHappy	Sweets	Oily	Friends	Out	Doubt	Cry	Passed	Religion	Date
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	February 14, 2020
0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	February 15, 2020
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	February 16, 2020
0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	February 17, 2020
0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	February 18, 2020
0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	February 19, 2020
0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	February 20, 2020
0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	February 21, 2020
0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	February 22, 2020
0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	February 23, 2020
0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	February 24, 2020
0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	February 25, 2020
0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	February 26, 2020

- We hang those paragraphs together into some larger global narrative structure, and that global structure usually has analytical import



- When we tell stories, we tell them with paragraph breaks: We make the decision to group certain events together because we believe their phenomena share some sense of similarity, and we spend time discussing that group of events's content and import before moving on.



2D UMAP Projection



- If you are right (about your themes and how you've arranged them in relation to your data)
- And you have a grip on your data
- Then there is an underlying mathematical relationship
- We can use that for statistical evidence for saturation
- We can use that to guide the turns of our story

Break for Q&A

Part Two:
Analytic Autoethnography of
My First Year of HRT

[Welcome](#)[Place a Referral](#)[e-Consults \(Internal to UCSF Medical Center only\)](#)[UCSF Transgender Care & Treatment Guidelines](#) ▾[Introduction](#)[Contributors](#)[Grading of evidence](#)[Terminology](#)[Clinic environment](#)[Physical examination](#)

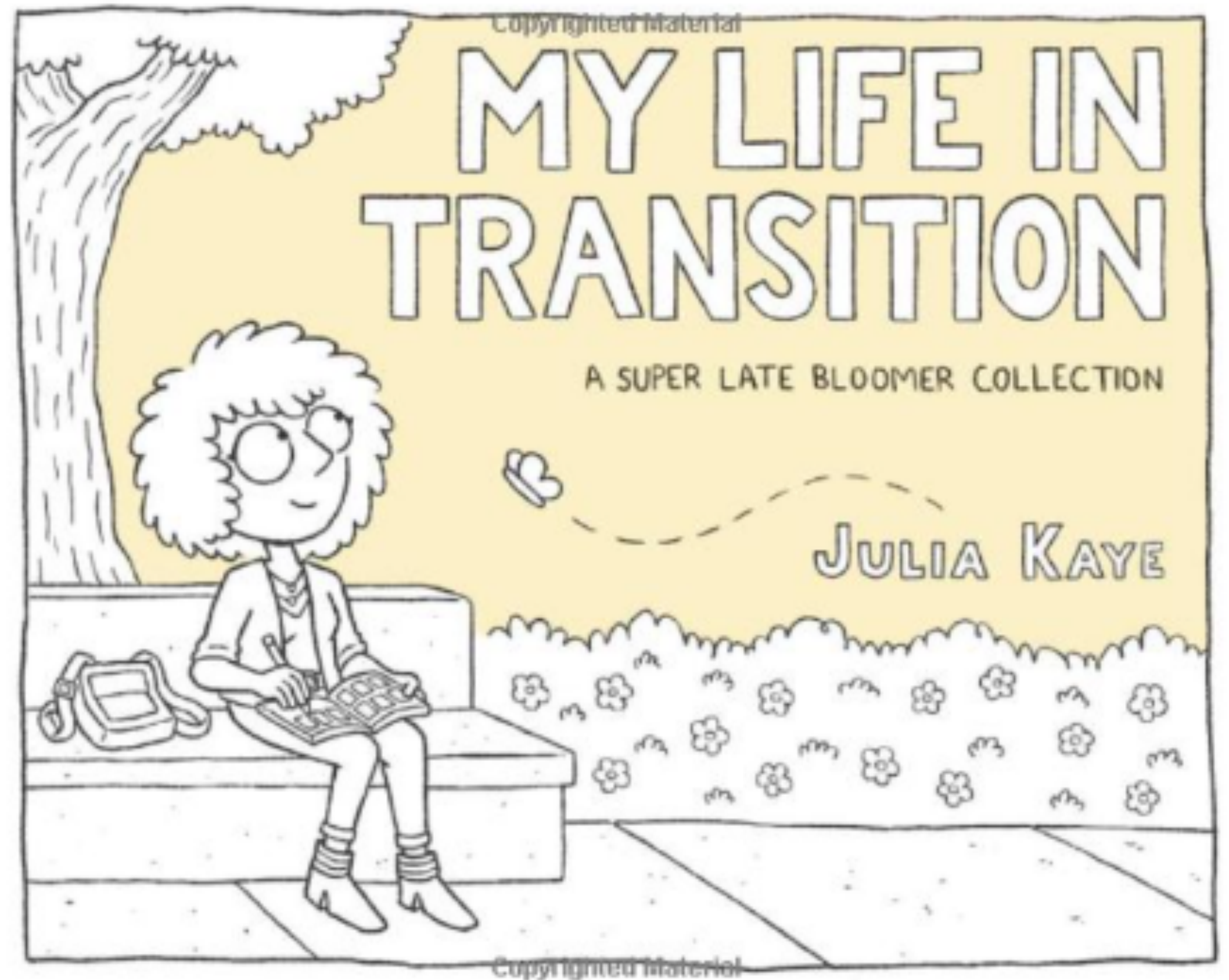
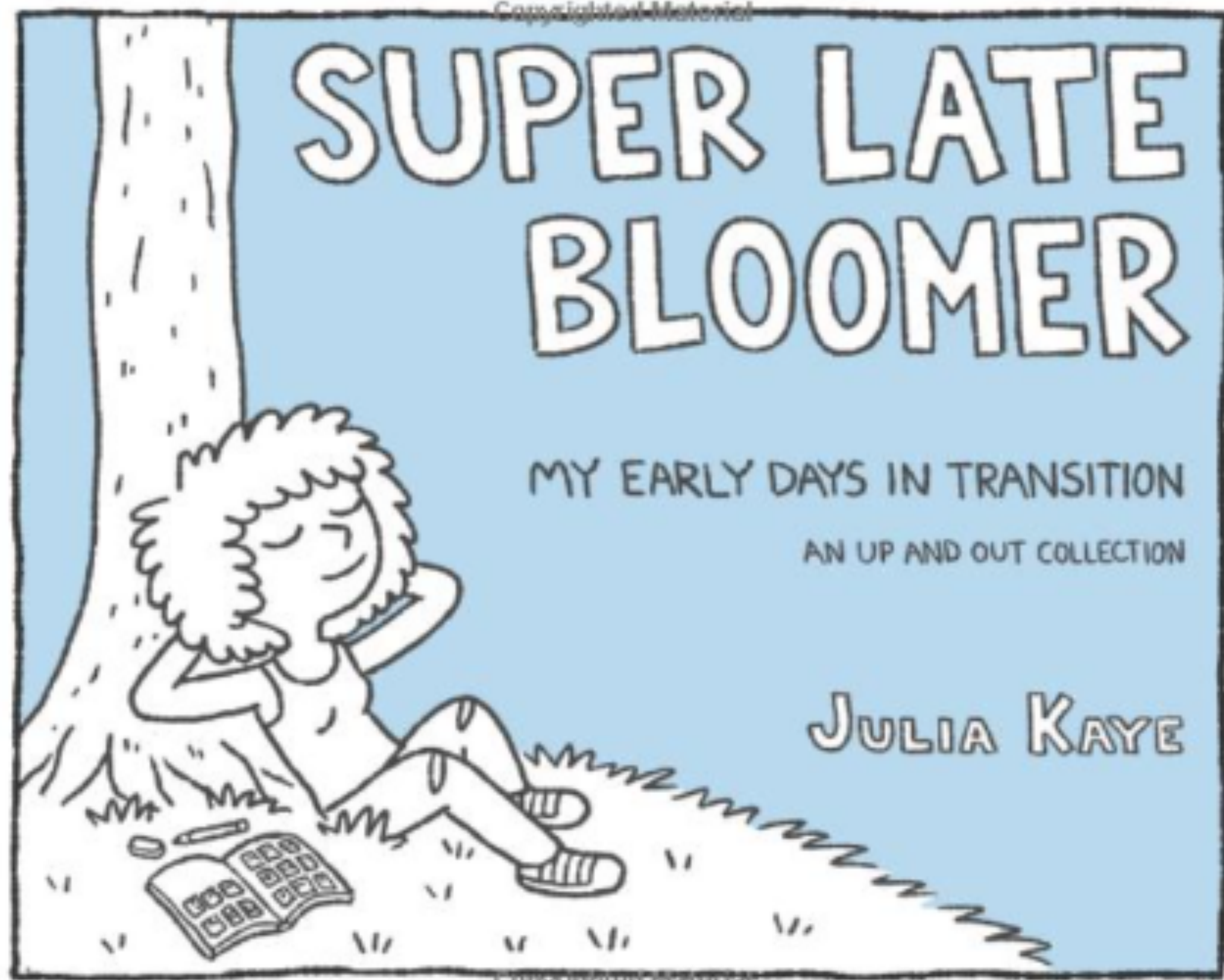
Overview of feminizing hormone therapy

Primary Author(s): Madeline B. Deutsch, MD, MPH

Publication Date: June 17, 2016

Introduction

The goal of feminizing hormone therapy is the development of female secondary sex characteristics, and suppression/minimization of male secondary sex characteristics. General effects include breast development (usually to Tanner stage 2 or 3), a redistribution of facial and body subcutaneous fat, reduction of muscle mass, reduction of body hair (and to a lesser extent, facial hair), change in sweat and odor patterns, and arrest and possible reversal of scalp hair loss. Sexual and gonadal effects include reduction in erectile function, changes in libido, reduced or absent sperm count and ejaculatory fluid, and reduced testicular size. Feminizing hormone therapy also brings about changes in emotional and social functioning. **The general approach of therapy is to combine an estrogen with an androgen blocker, and in some cases a progestogen.**



7:54

Following For You

**Righteous
Your Eminence.
Righteous.**

10.6K

281

277

@humbletortoise · 1d ago

Chadley Needs Advice 🤪

#SourPatchPrankFund #lgbt
#pansexual #lesbian #nonbinary
#polyamorous

nd - humbletortoise - Park

Home Discover + Inbox Me

7:46

Following For You

Pun absolutely intended

547

21

5

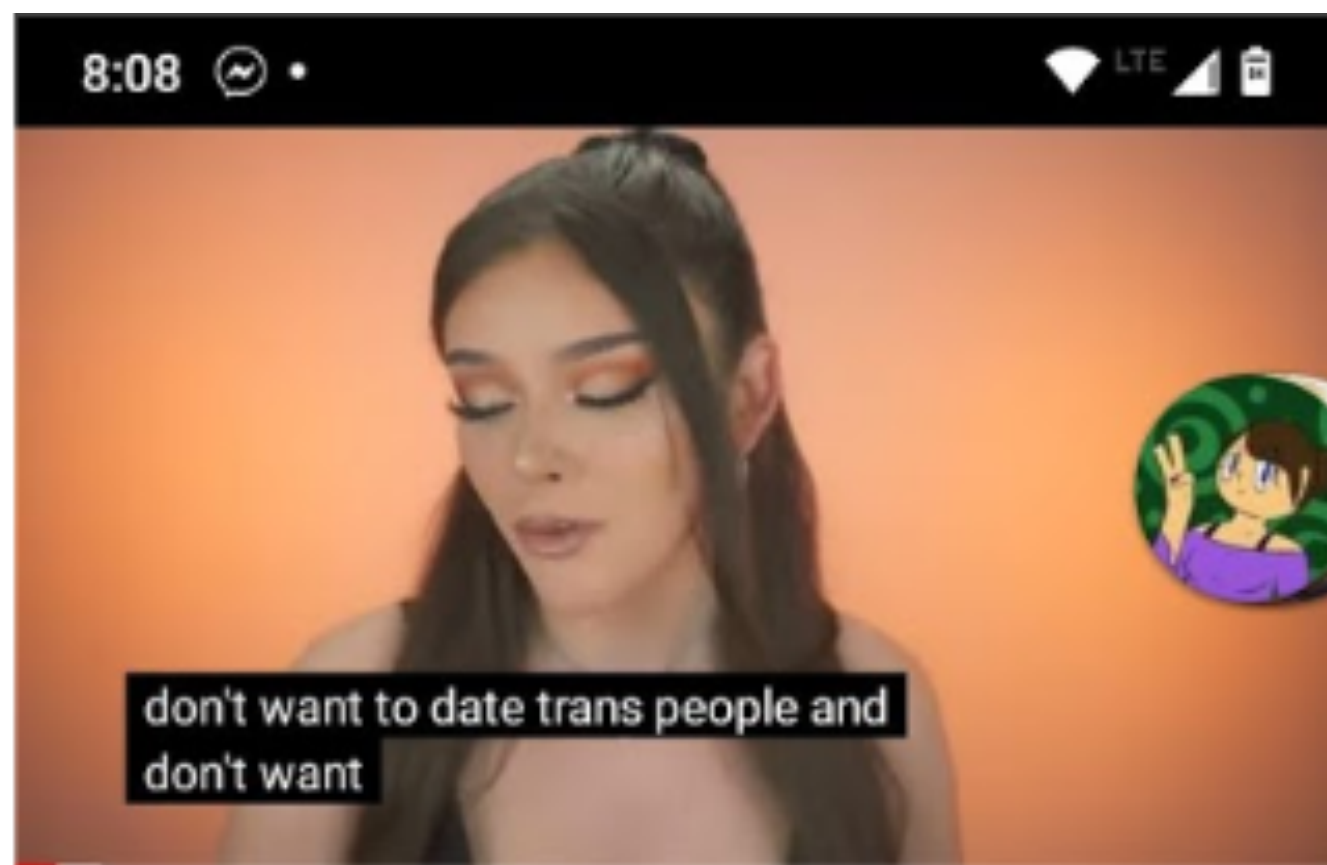
@titan_of_joy · 3d ago

#lgbt #lgbtq #trans #nonbinary
#enby #queer #flirt #panic #dating
#bi #wlv #nblw #fyp #foryou

(feat. Wiz Khalifa) - Steve

Home Discover + Inbox Me





Reacting to Super Straight Hate

Comments :(

137K views · 5 days ago

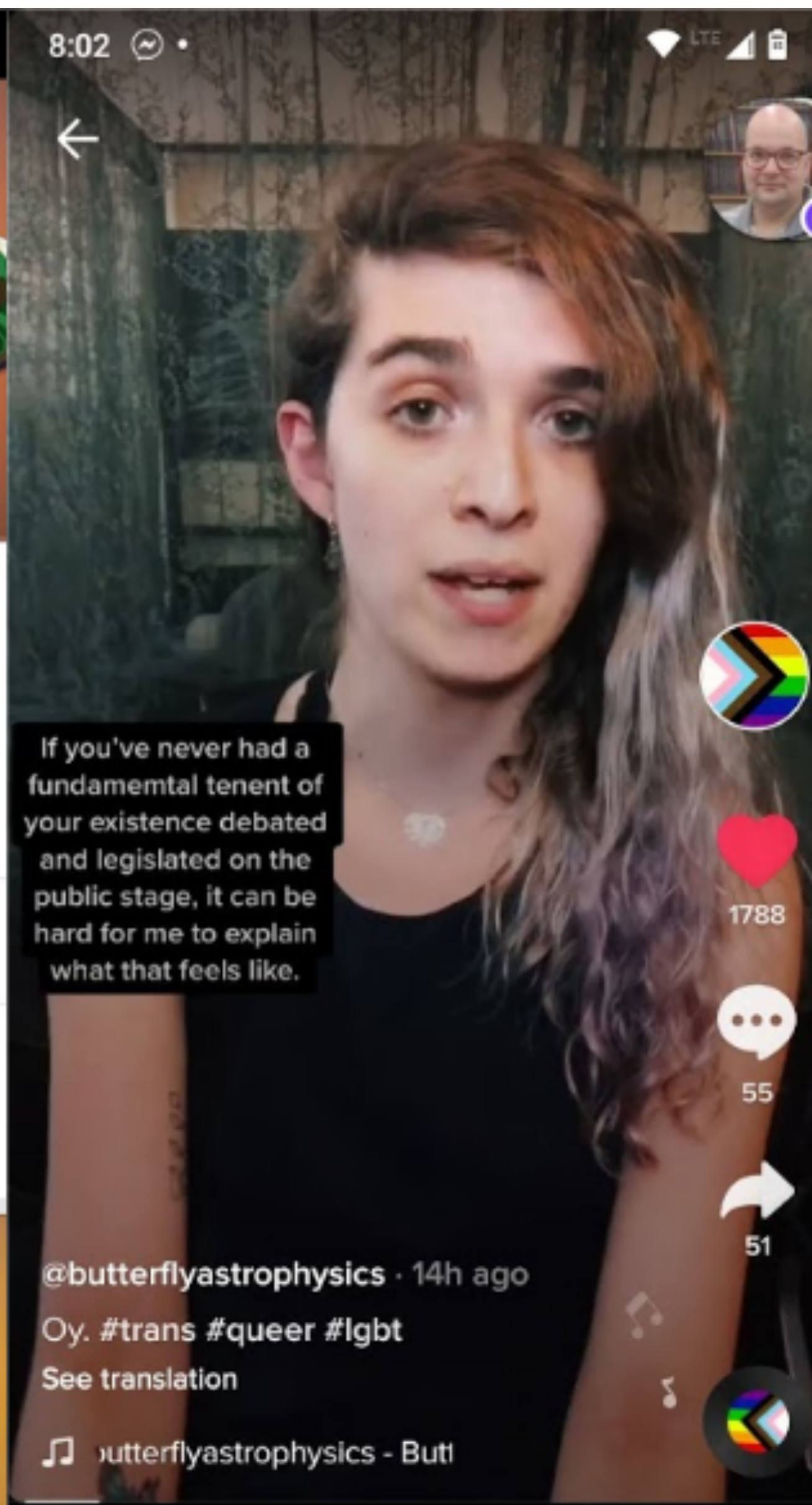
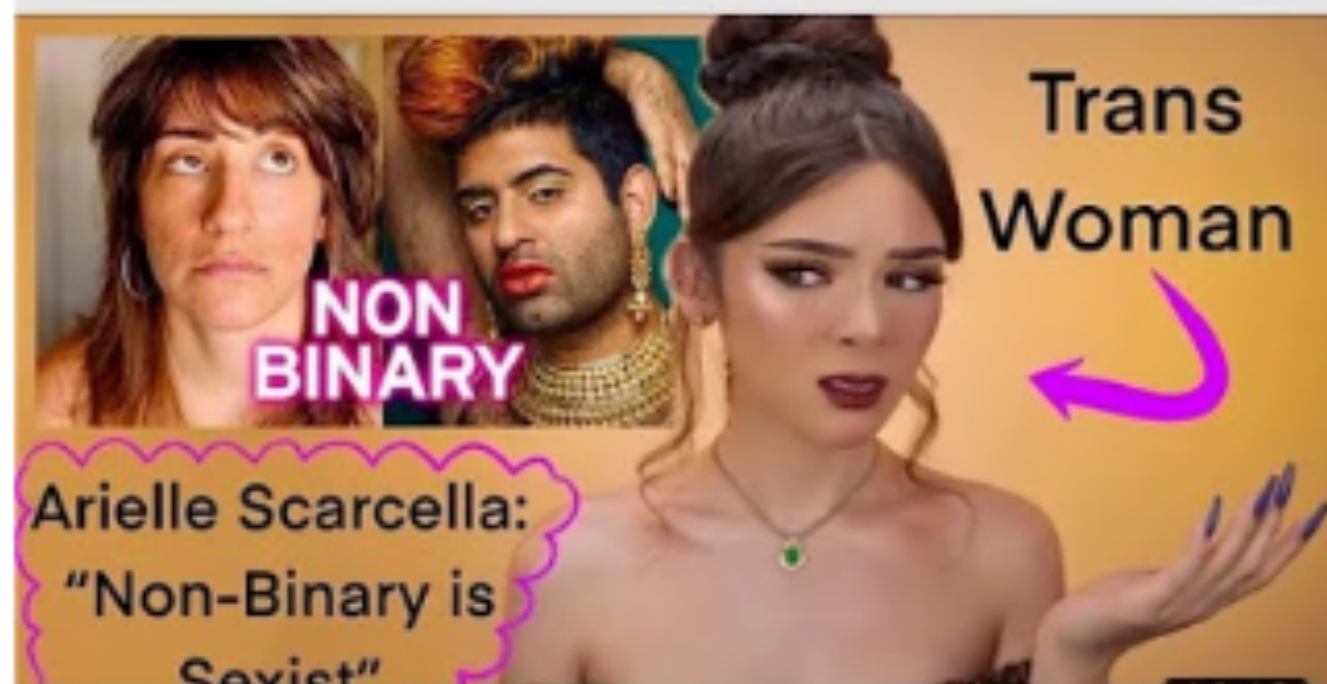
19K
 310
 Share
 Download
 Save

Samantha Lux SUBSCRIBED

 552K subscribers

Comments 6K

I love how even the super straights think you're gorgeous haha looks like they love trans women after all!

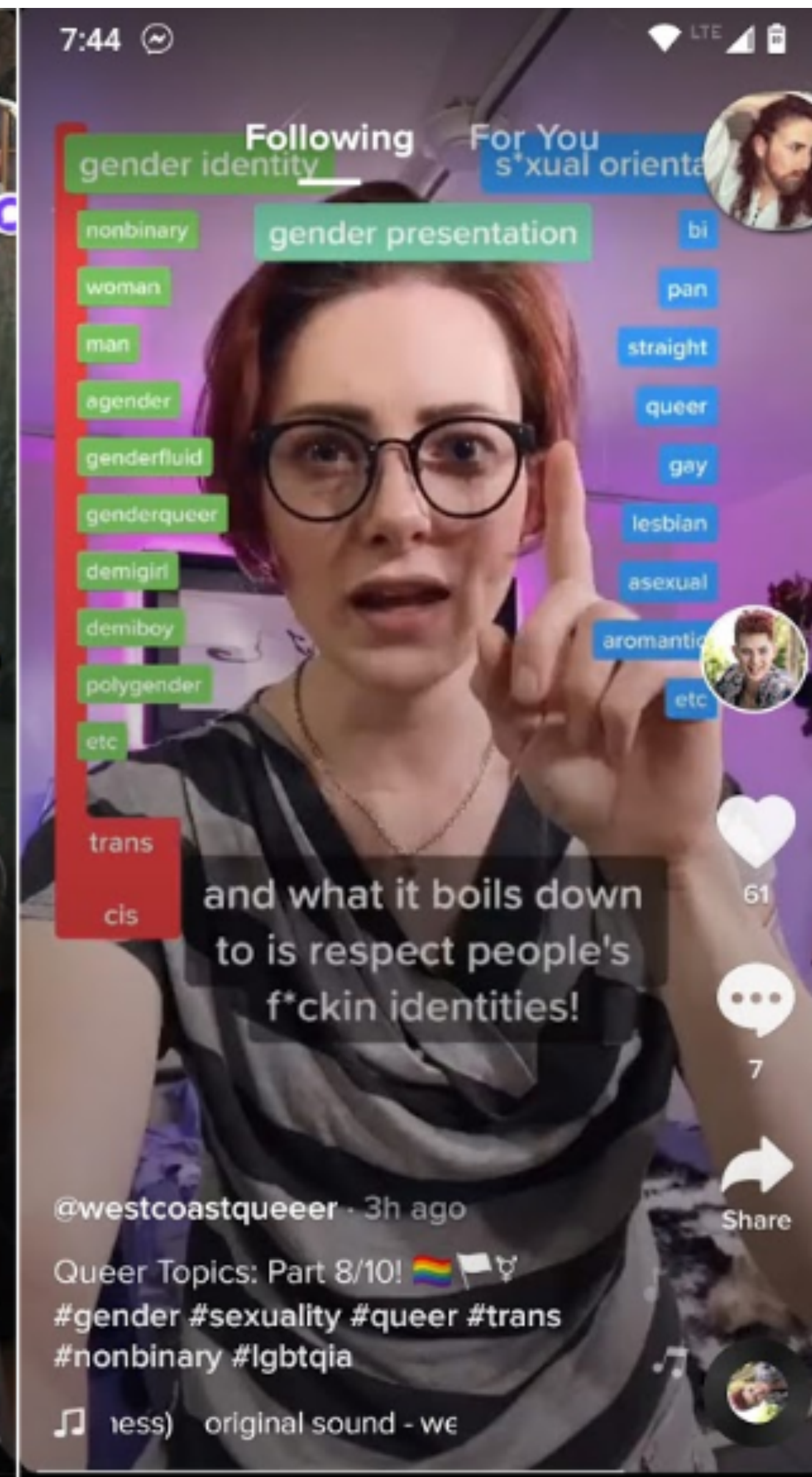


If you've never had a fundamental tenet of your existence debated and legislated on the public stage, it can be hard for me to explain what that feels like.

@butterflyastrophysics · 14h ago
Oy. #trans #queer #lgbt
See translation

Butt

Add comment...



Following For You
gender identity s*xual orienta

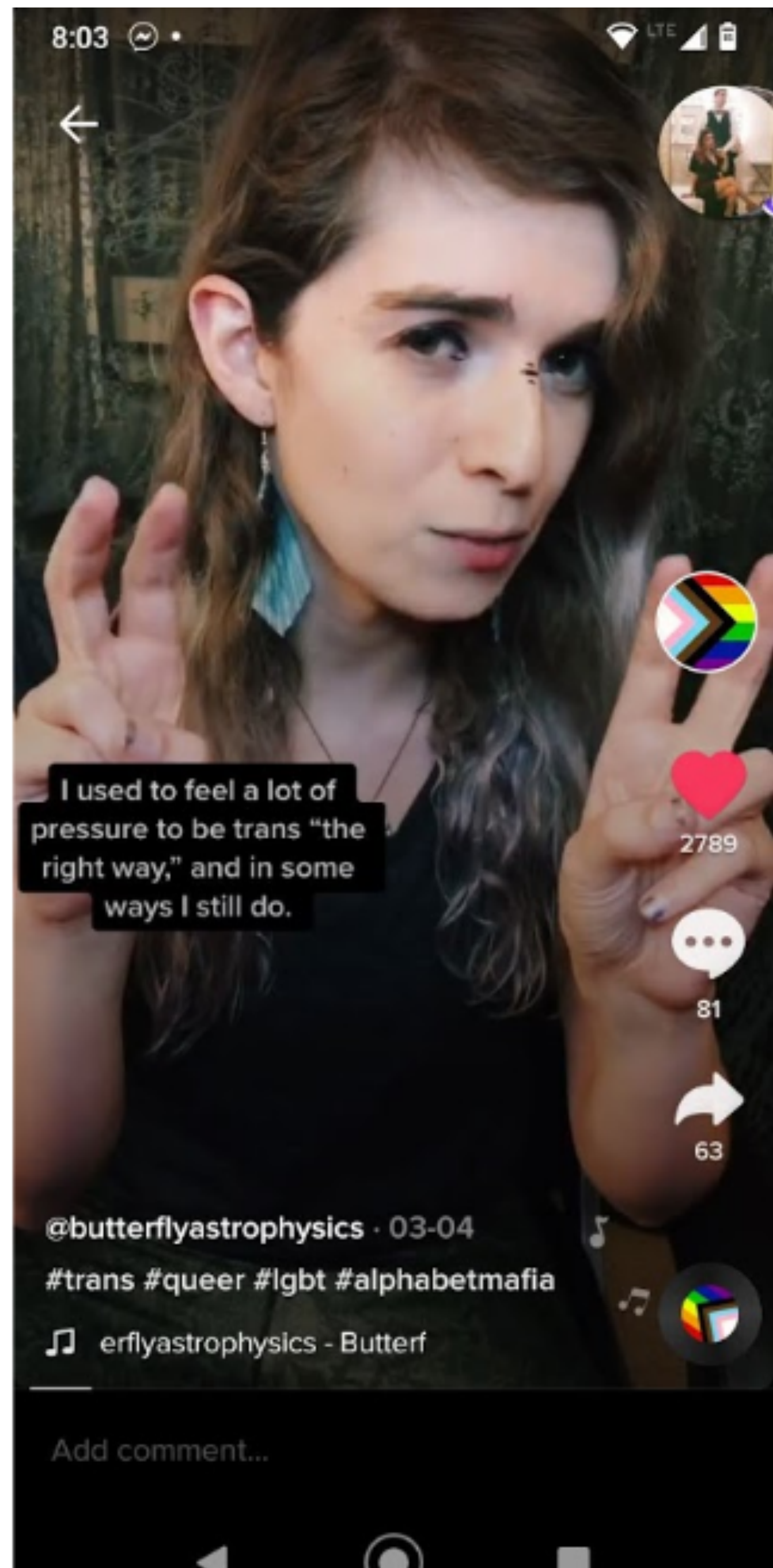
- nonbinary
- woman
- man
- agender
- genderfluid
- genderqueer
- demigirl
- demiboy
- polygender
- etc
- trans
- cis
- gender presentation
- bi
- pan
- straight
- queer
- gay
- lesbian
- asexual
- aromantic
- etc

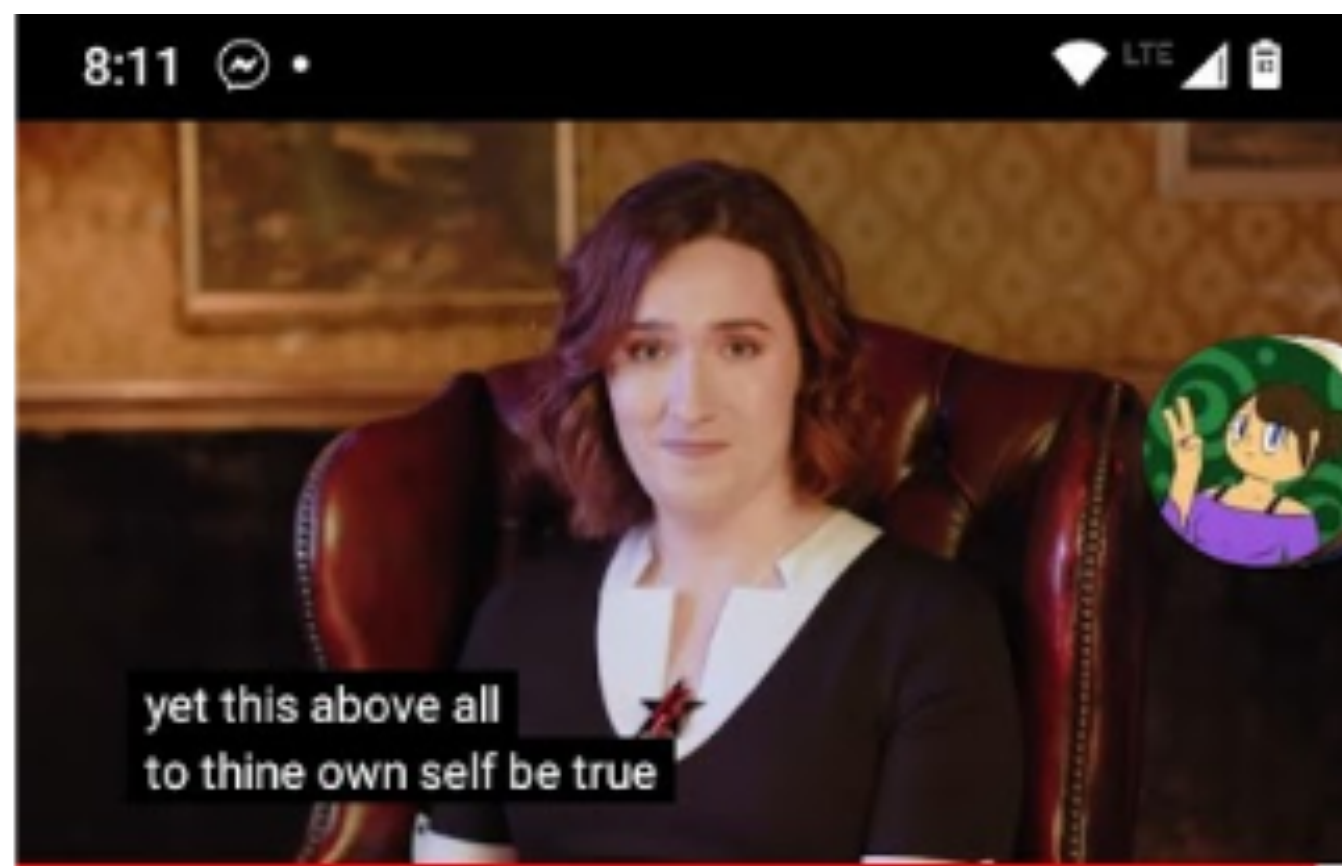
and what it boils down to is respect people's f*ckin identities!

@westcoastqueer · 3h ago
Queer Topics: Part 8/10! 🏳️‍🌈 🇺🇸 🇩🇪
#gender #sexuality #queer #trans
#nonbinary #lgbtqia

original sound - we

Home
 Discover
 +
 Inbox
 Me





Coming Out As Trans - A Little Public Statement

740K views · 2 months ago



87K



5.4K



Share



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Philosophy Tube Live

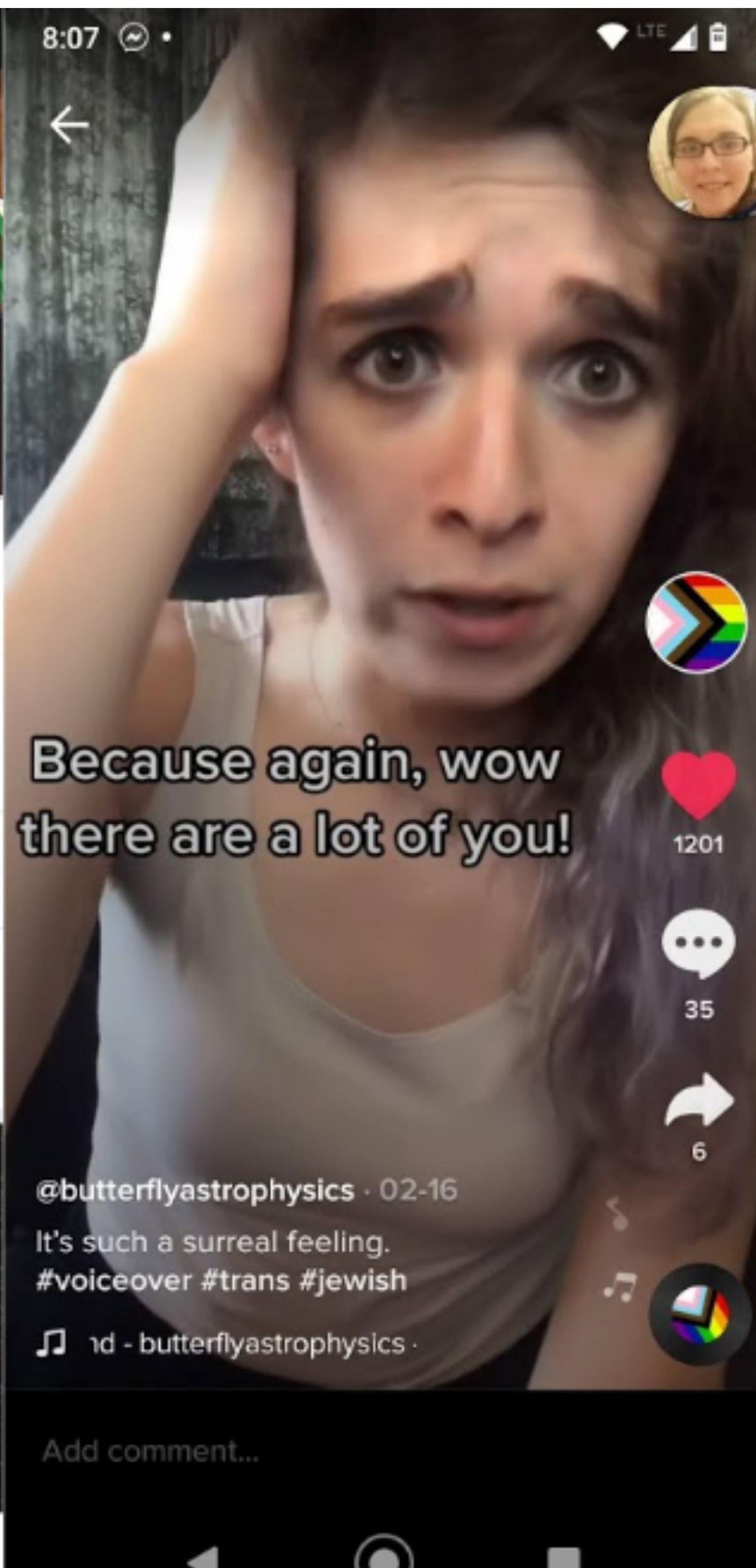
77.9K subscribers

SUBSCRIBE

Comments 12K



"Treat everyone with kindness and patience, even those who don't treat me kindly." That's such a good attitude n...





Five hundred twenty five thousand six hundred minutes
Five hundred twenty five thousand moments so dear
Five hundred twenty five thousand six hundred minutes
How do you measure? Measure a year?

In daylights,
In sunsets,
In midnights,
In cups of coffee,
In inches, in miles, in laughter, in strife

1:16 / 2:57

▶ ⏪ 🔊 🔍 ⚙️ 📺 📱 📶 🗑️

Seasons of Love - Rent (Music Video)

17,915,228 views • Jul 1, 2006

👍 100K 💬 2.3K ➦ SHARE ≡+ SAVE ...

Day	Date	Note	WWW	Identity	Lo
84	May 8, 2020	4:55p two important memories - wearing a skirt with kim - wearing the i <3 ny shirt from victoria	0	0	
85	May 9, 2020	7:10p read cosmo's What It's Really Like t "if you want hormones, take hormones. if y "before, i would look in the mirror and see throughout, talk of a calm to a storm	1	0	

Day	Date	Note
84	May 8, 2020	4:55p two important me - wearing a skirt with kin - wearing the i <3 ny shi
85	May 9, 2020	7:10p read cosmo's Wh "if you want hormones, t "before, i would look in t throughout, talk of a cal

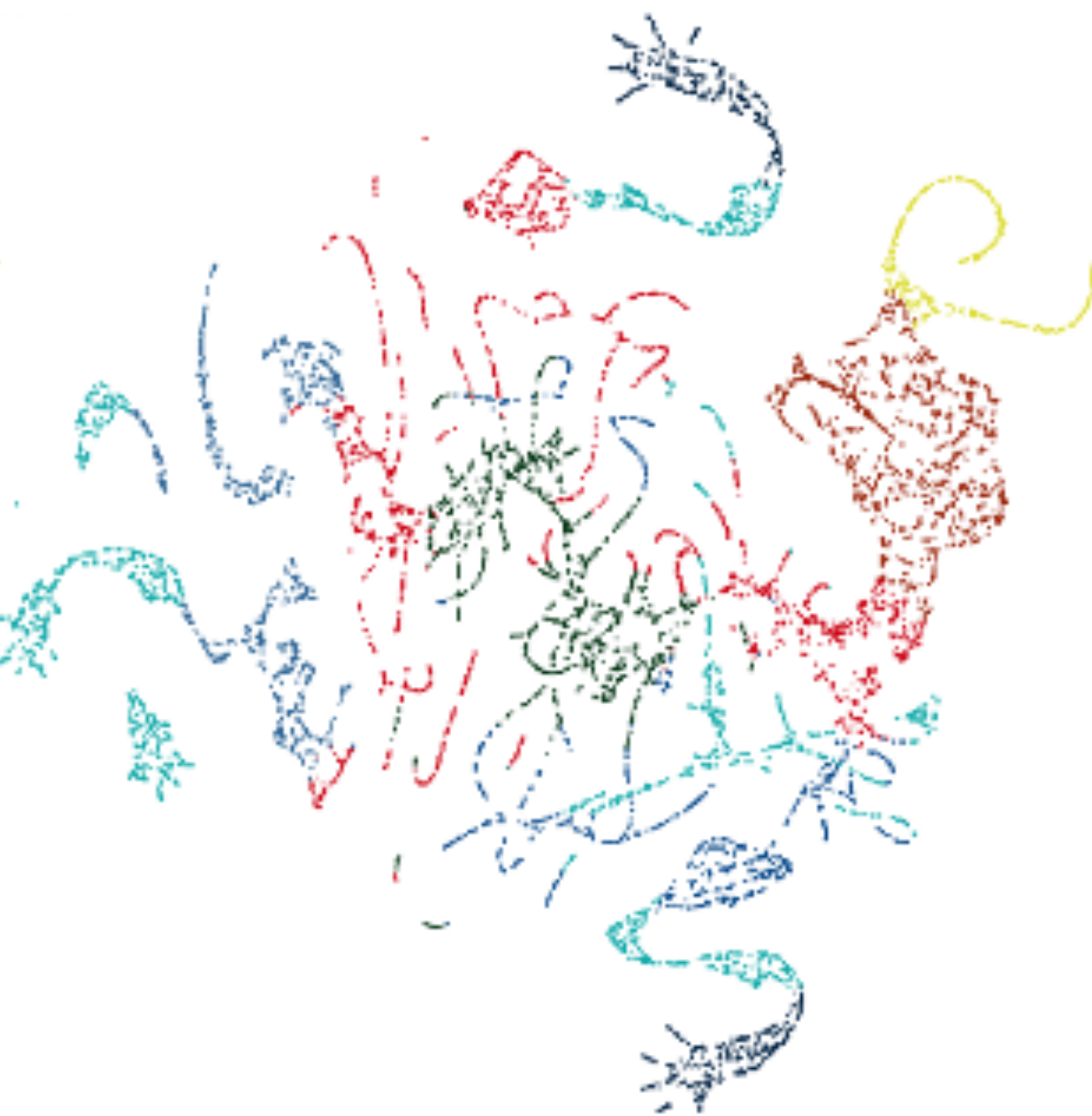
Label	N	Code
DoseTracking	42	A journal entry tracking the exact time of an HRT does. <i>Eg.</i> "7:35a e."
Happy	136	A checkbox marking days in which I felt happy.
NonHappy	120	A checkbox marking days in which I felt a non-happy emotion, such as anxiety, depression, etc.
SkippedDose	95	A checkbox marking days on which I skipped my HRT dose.
Sweets	130	A checkbox marking days on which I craved sweets, such as chocolate or caffeinated drinks.
<hr/>		
BODY	<i>Various codes tracking changes to my body, feelings, and behaviors, either as a checkbox or a journal entry.</i>	
Changes	39	A journal entry tracking changes to my body, feelings, or behaviors. <i>Eg.</i> "Haven't felt [mental] fog in a while."
Cry	11	A checkbox or journal entry making days that I cried.
Dysphoria	35	A journal entry reflecting on dysphoric experiences or gender dysphoria generally. <i>Eg.</i> "Trying to shop for primer at Target, this is just like trying to renew Rx at CVS, stressful."
Mood	34	A journal entry explaining a mood that I felt that day in more detail than a checkbox. <i>Eg.</i> "I've been on high alert."
Oily	34	A checkbox marking days on which my skin was oily.
<hr/>		
LEARN	<i>Various codes tracking my efforts to self-teach about (trans)womanhood.</i>	
Experiment	29	A journal entry reflecting on my experiments with clothes, my dosage amount (under the supervision of my gender specialist), etc. <i>Eg.</i> "Tried something new with my makeup."
Recipe	5	A journal entry spelling out a "recipe" I did not want to forget from some experimentation, such as a makeup routine.
WW	22	A journal entry containing a URL, reflecting on experiences online, or recording information collected online. <i>Eg.</i> "I like this video [URL] [on being okay with who you are]"
<hr/>		
REFLECT	<i>Various codes tracking my reflections with my identity as situated within or connected to various domains.</i>	
Childhood	32	A journal entry reflecting on childhood memories.
Doubt	9	A journal entry reflecting on my doubts with transitioning.
Dream	13	A journal entry recounting and/or reflecting on dreams I had in the nights before. <i>Eg.</i> "Had a dream last night about not being able to find the right restroom."
Family	10	A journal entry mentioning a family member. <i>Eg.</i> "...looking at a photo of my grandma..."
Identity	33	A journal entry reflecting on my own identity as a transwoman. <i>Eg.</i> "This is one of my favorite videos, [link], 'You have unconditional permission to be your ***** self' "
Letter	4	A journal entry in which I drafted a letter to a friend or family member.
Longing	17	A journal entry reflecting longing for changes to my body, feelings, or behaviors.
Name	18	A journal entry conceptualizing possible changes to my legal name.
Religion	1	A journal entry reflection on my relationship with my faith. <i>Eg.</i> "Prayed last night, asked for clarity and courage."
<hr/>		
PROGRESS	<i>Various codes tracking my progress towards my transition goals.</i>	
Affirmation	35	A journal entry written as an affirmation to myself. <i>Eg.</i> "Accepting myself as a woman makes sense."
Out	18	A checkbox marking days on I came out to someone new.
Passed	11	A checkbox marking days in which I passed in public, either by accident or on purpose.
Strangers	24	A journal entry reflecting on experiences with strangers. <i>Eg.</i> "They guy at Taco Bell said ma'am."

Table 1. Codebook

Original 3D Data



2D UMAP Projection



Experiencing Transitions: An Emerging Middle-Range Theory

Meleis, Afaf Ibrahim PhD, FAAN; Sawyer, Linda M. PhD, RN; Im, Eun-Ok PhD, RN; Hilfinger Messias, DeAnne K. PhD, RN; Schumacher, Karen PhD, RN

[Author Information](#) 

Advances in Nursing Science: [September 2000](#) - Volume 23 - Issue 1 - p 12-28

Time span

All transitions are characterized by flow and movement over time.² Bridges^{19,20} characterized transition as a time span with an identifiable end point, extending from the first signs of anticipation, perception, or demonstration of change; through a period of instability, confusion, and distress; to an eventual "ending" with a new beginning or period of stability. However, the results of the research examined here suggest that it may be difficult or impossible, and perhaps even counterproductive, to put boundaries on the time span of certain transition experiences.⁶ The stories told by parents of infants with CHD indicated that their transition did not always follow the same chronological trajectory. Migration provided another case in point.⁷ Immigrants may consider their transition as "temporary" even though they may live in another country for an extended period. Even for those who settle permanently, the migration experience may best be characterized as an ongoing, undulating, unending transition. This does not necessarily mean that immigrants or others experiencing long-term transitions are constantly in a state of disconnectedness, flux, or change. However, such states may periodically surface, reactivating a latent transition experience. In evaluating transition experiences, it is important to consider the possibility of flux and variability over time, which may necessitate reassessment of outcomes.

Experiencing Transitions: An Emerging Middle-Range Theory

Meleis, Afaf Ibrahim PhD, FAAN; Sawyer, Linda M. PhD, RN; Im, Eun-Ok PhD, RN; Hilfinger Messias, DeAnne K. PhD, RN; Schumacher, Karen PhD, RN

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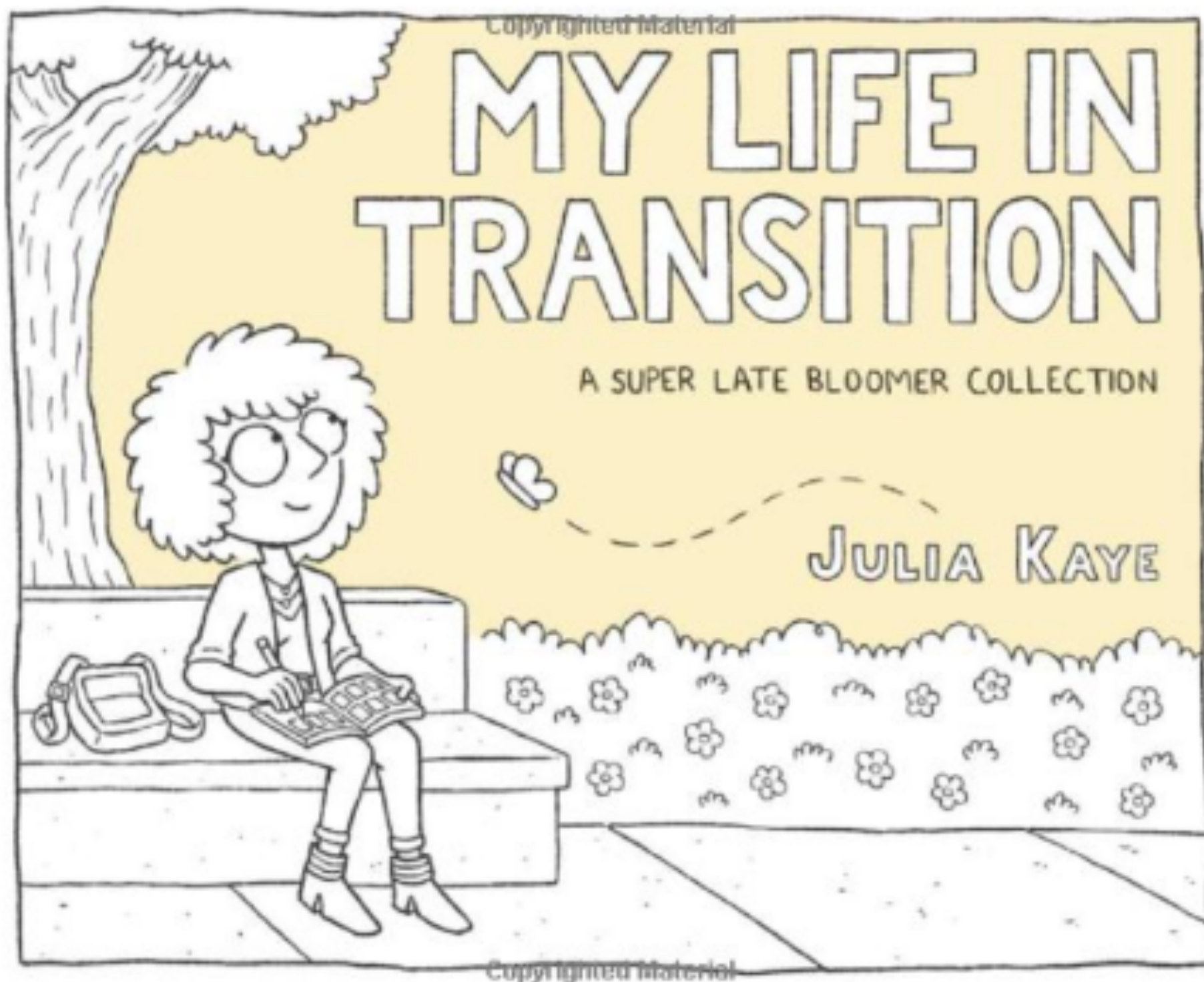
Time span

Critical points and events

Some transitions are associated with an identifiable marker event; such as birth, death, the cessation of menstruation, or the diagnosis of an illness; while in other transitions specific marker events are not as evident.^{19,20} The various studies involving multiple transitions provided evidence that **most transition experiences involved critical turning points or events.** Critical points were often associated with increasing awareness of change or difference or more active engagement in dealing with the transition experience. **In addition, there were final critical points, which were characterized by a sense of stabilization in new routines, skills, lifestyles, and self-care activities.** In each study there was a period of uncertainty marked with fluctuation, continuous change, and disruption in reality. Symptoms related to the transition might also occur. During a period of uncertainty there were a number of critical points depending on the nature of the transition. Each critical point requires the nurse's attention, knowledge, and experience in different ways.

variability over time, which may necessitate reassessment of outcomes.

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As the project neared completion, I thought back on how much of an impact seeing people who were trans sharing the stories of their lives had on normalizing my feelings about myself. And not just stories about the **turbulent early stages of transition, but the mundane experiences of day-to-day life.** It had been so important to see that life really did go on; that we're just people with the same wants and needs as anyone else.

ddle-

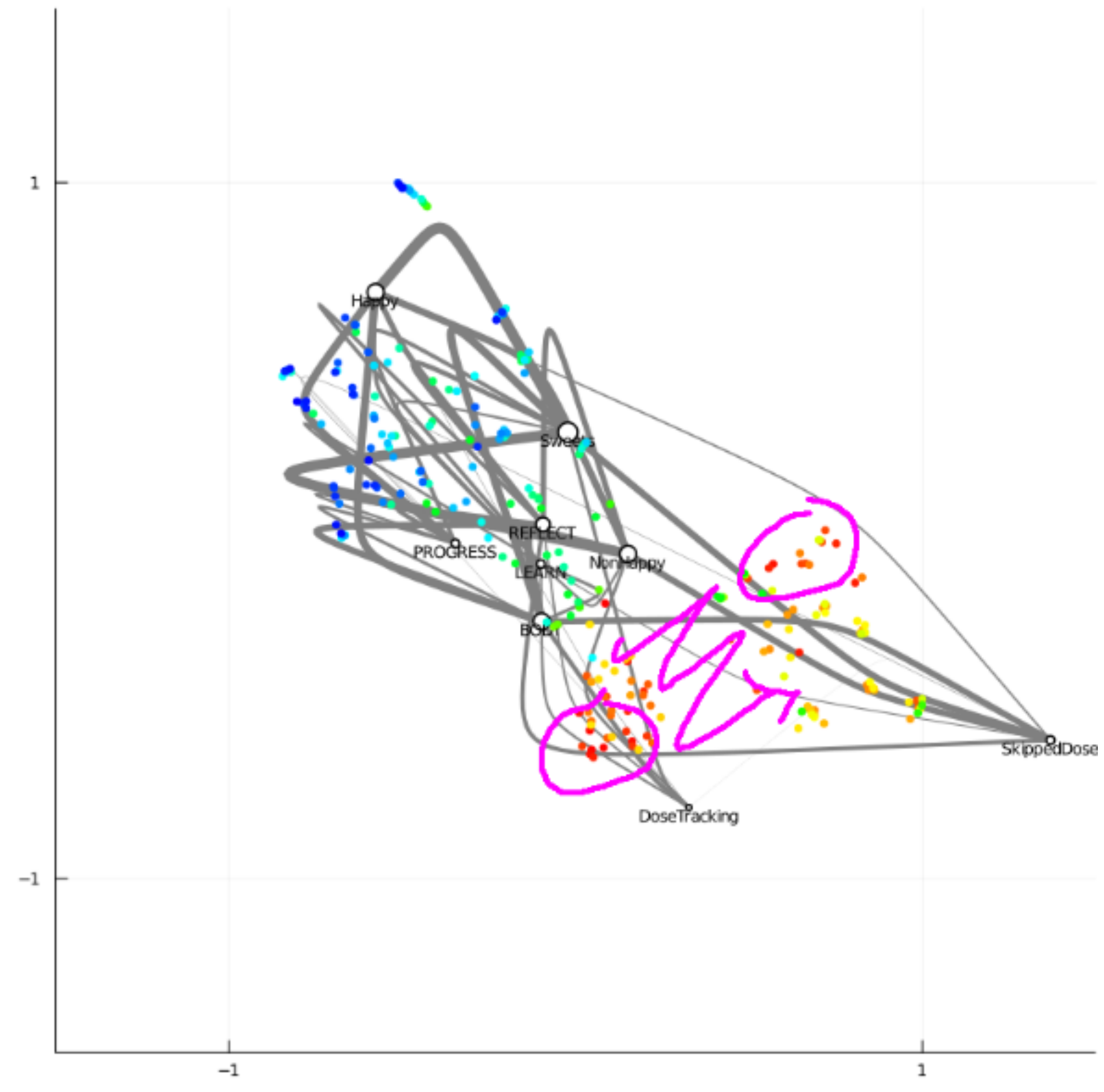
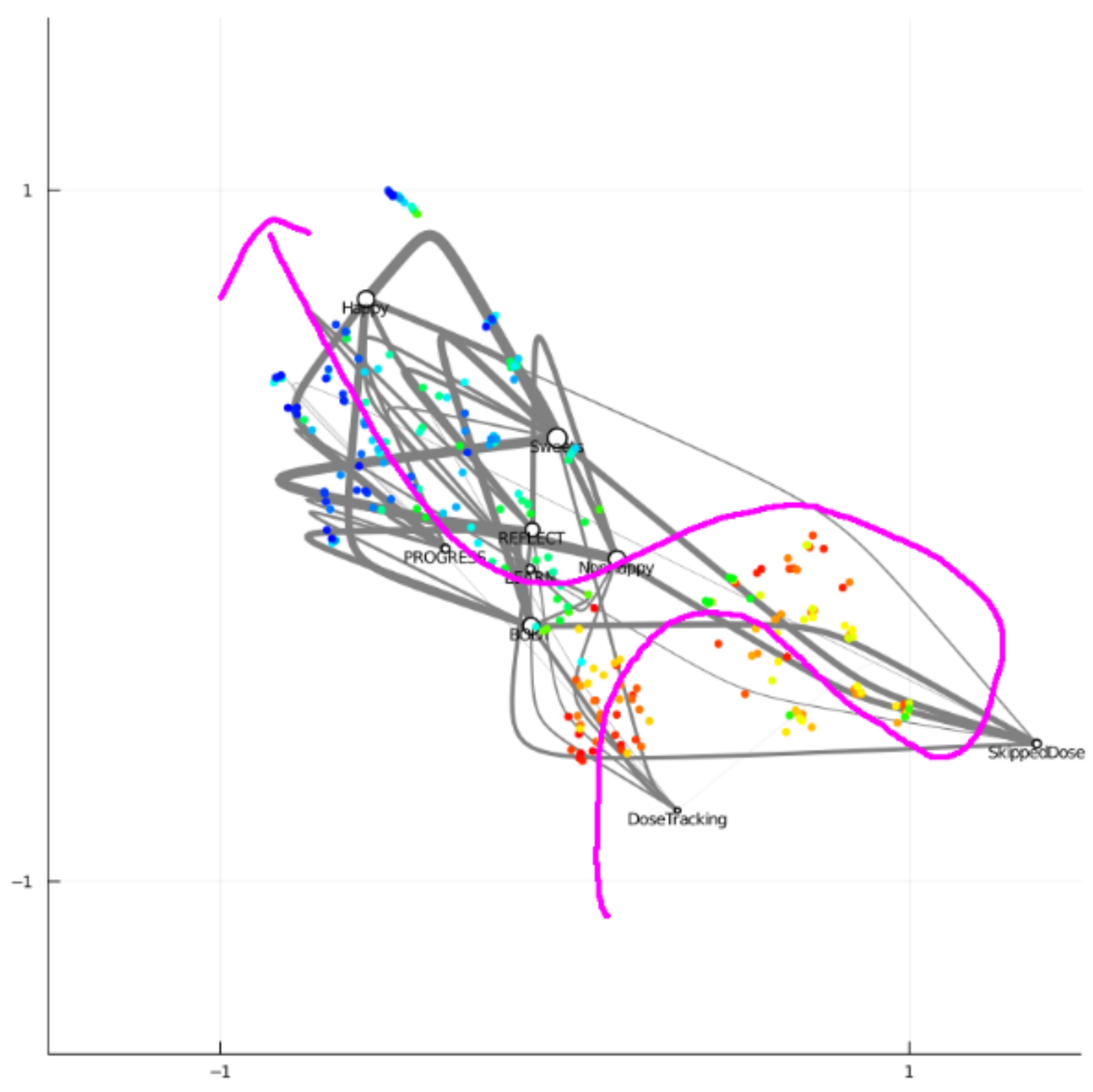
Time span

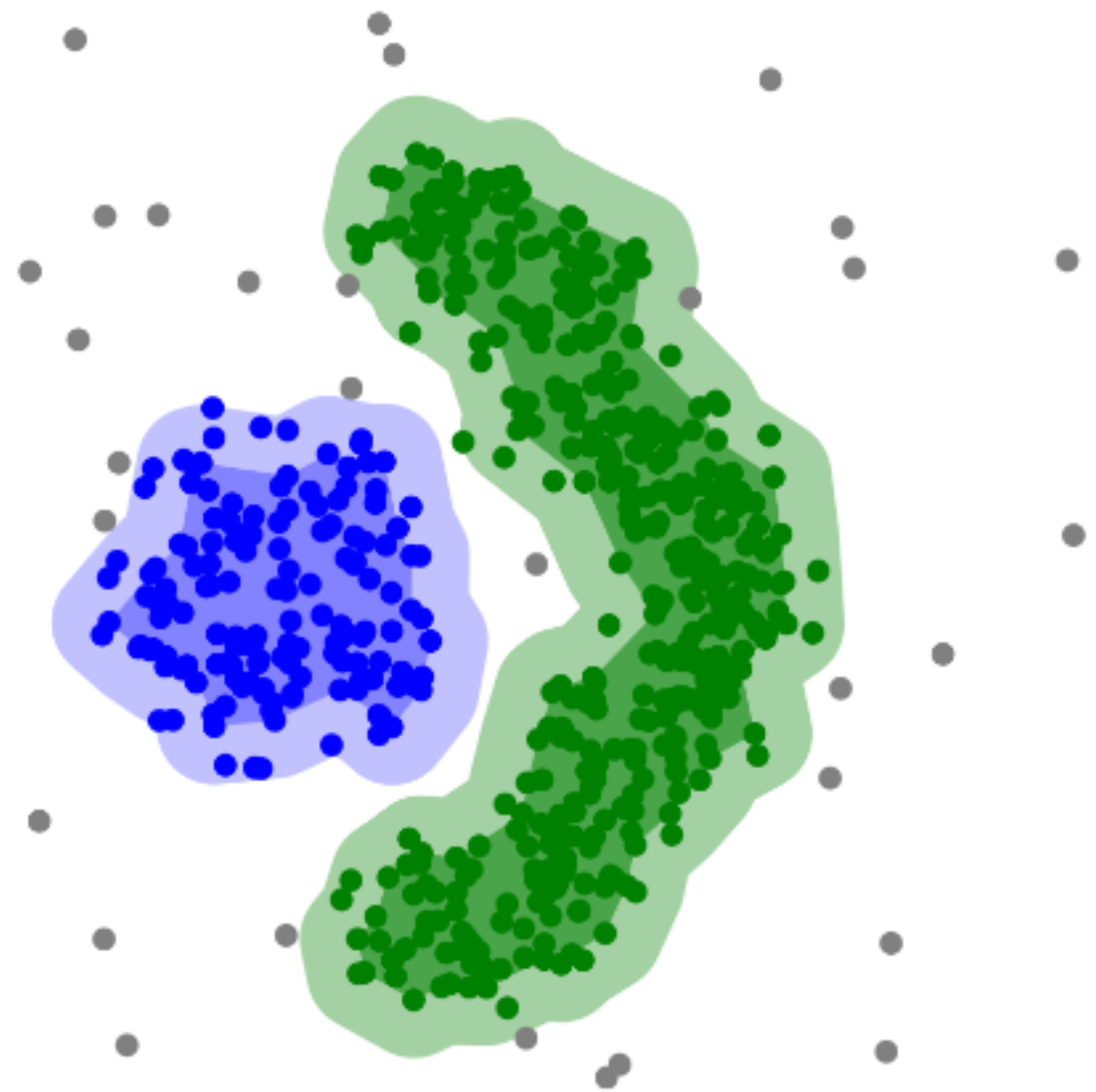
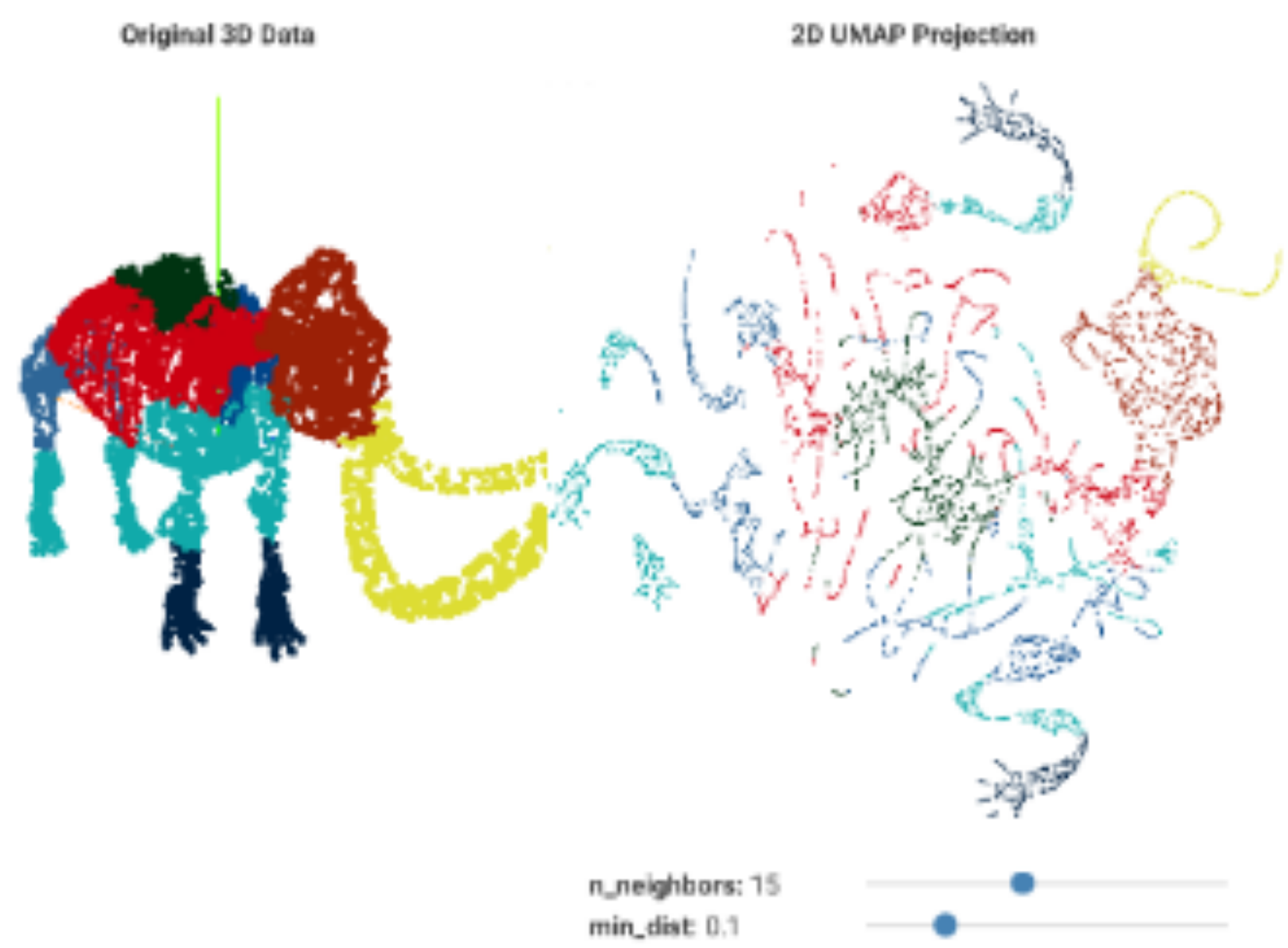
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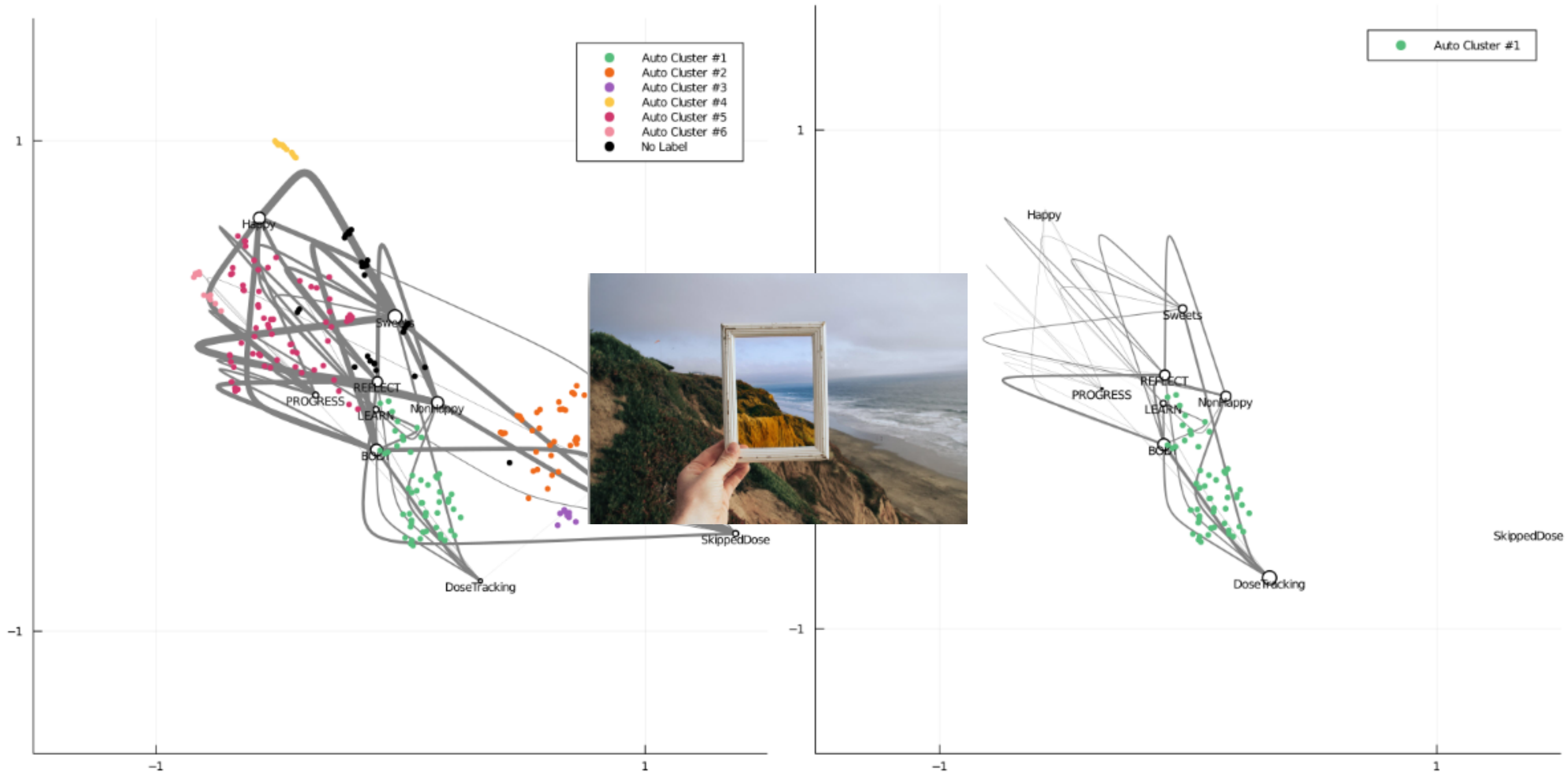
ritical points and events

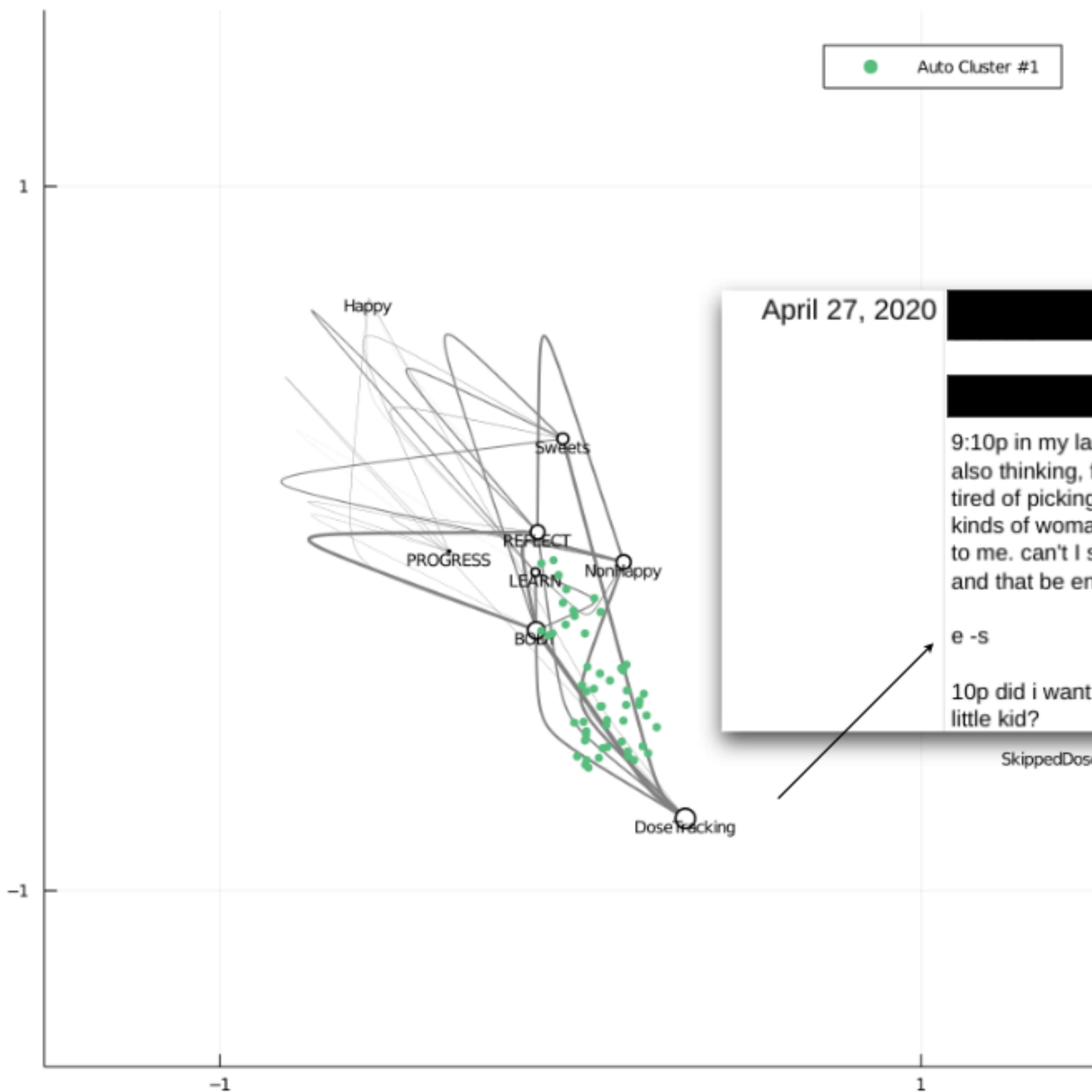
me transitions are associated with an identifiable marker event; such as birth, ath, the cessation of menstruation, or the diagnosis of an illness; while in other nsitions specific marker events are not as evident.^{19,20} The various studies olving multiple transitions provided evidence that **most transition experiences olved critical turning points or events.** Critical points were often associated ch increasing awareness of change or difference or more active engagement in aling with the transition experience. **In addition, there were final critical points,** hich were characterized by a sense of stabilization in new routines, skills, yles, and self-care activities. In each study there was a period of uncertainty ed with fluctuation, continuous change, and disruption in reality. Symptoms ed to the transition might also occur. During a period of uncertainty there a number of critical points depending on the nature of the transition. Each al point requires the nurse's attention, knowledge, and experience in ent ways.

variability over time, which may necessitate reassessment of outcomes.









April 27, 2020 [REDACTED]

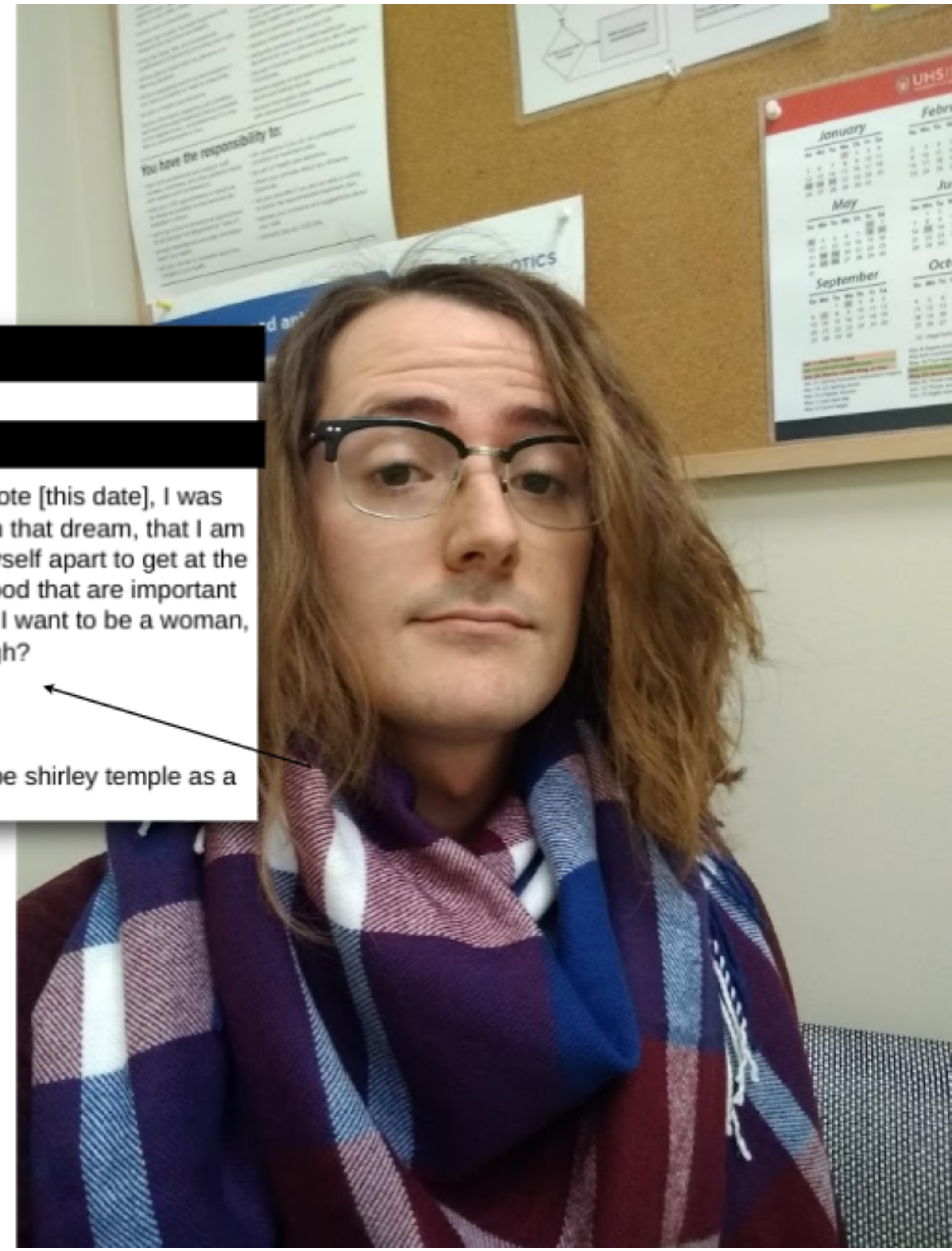
[REDACTED]

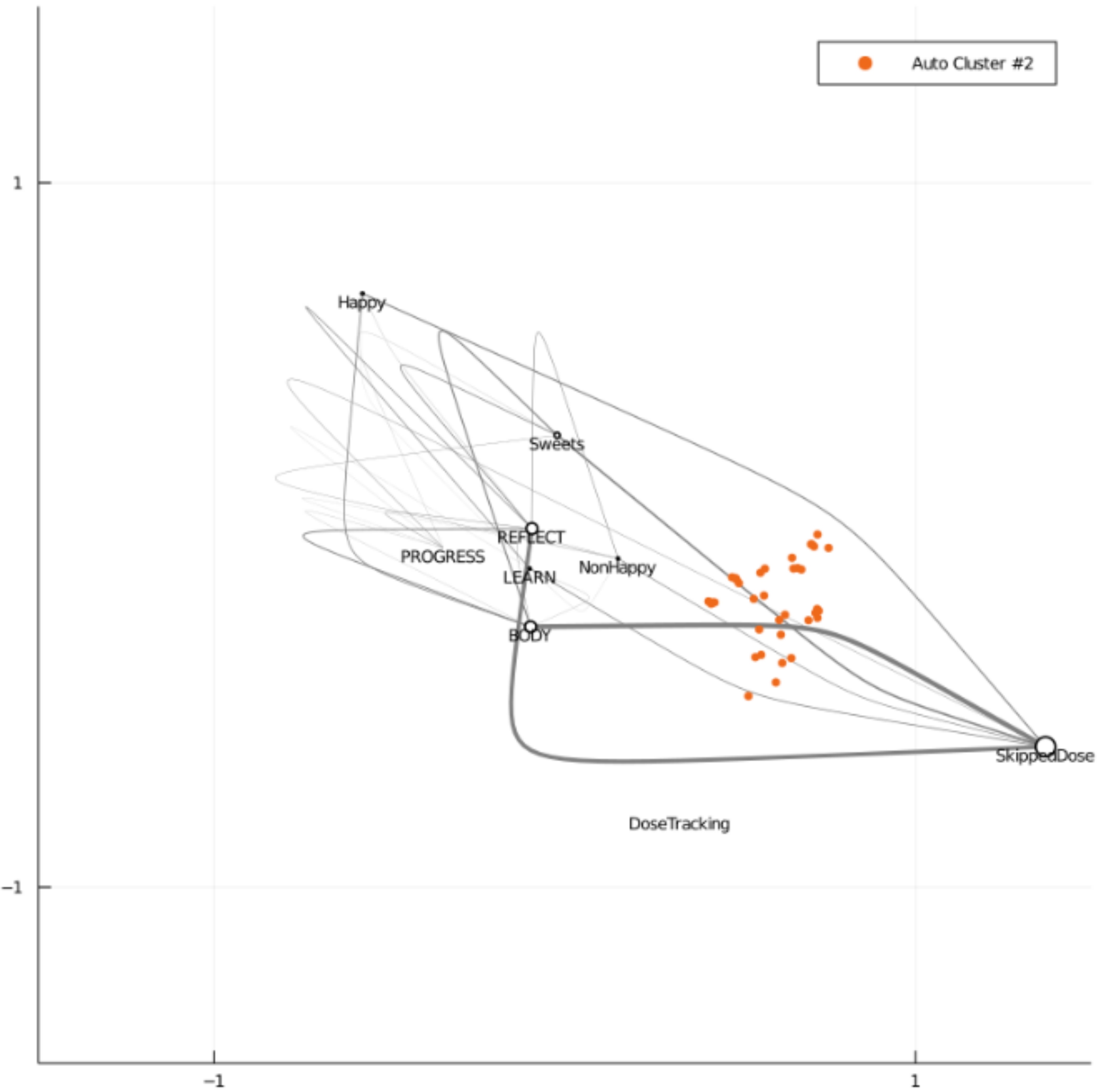
9:10p in my last note [this date], I was also thinking, from that dream, that I am tired of picking myself apart to get at the kinds of womanhood that are important to me. can't I say, I want to be a woman, and that be enough?

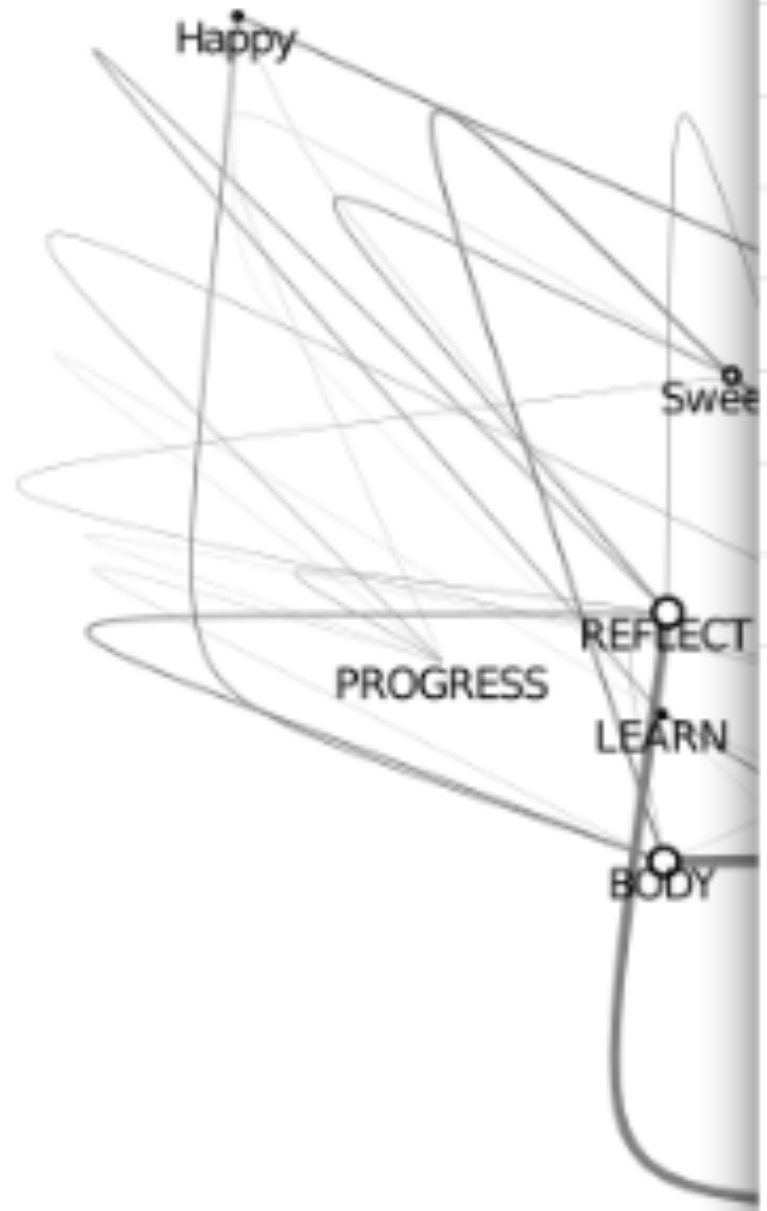
e -s

10p did i want to be shirley temple as a little kid?

SkippedDose

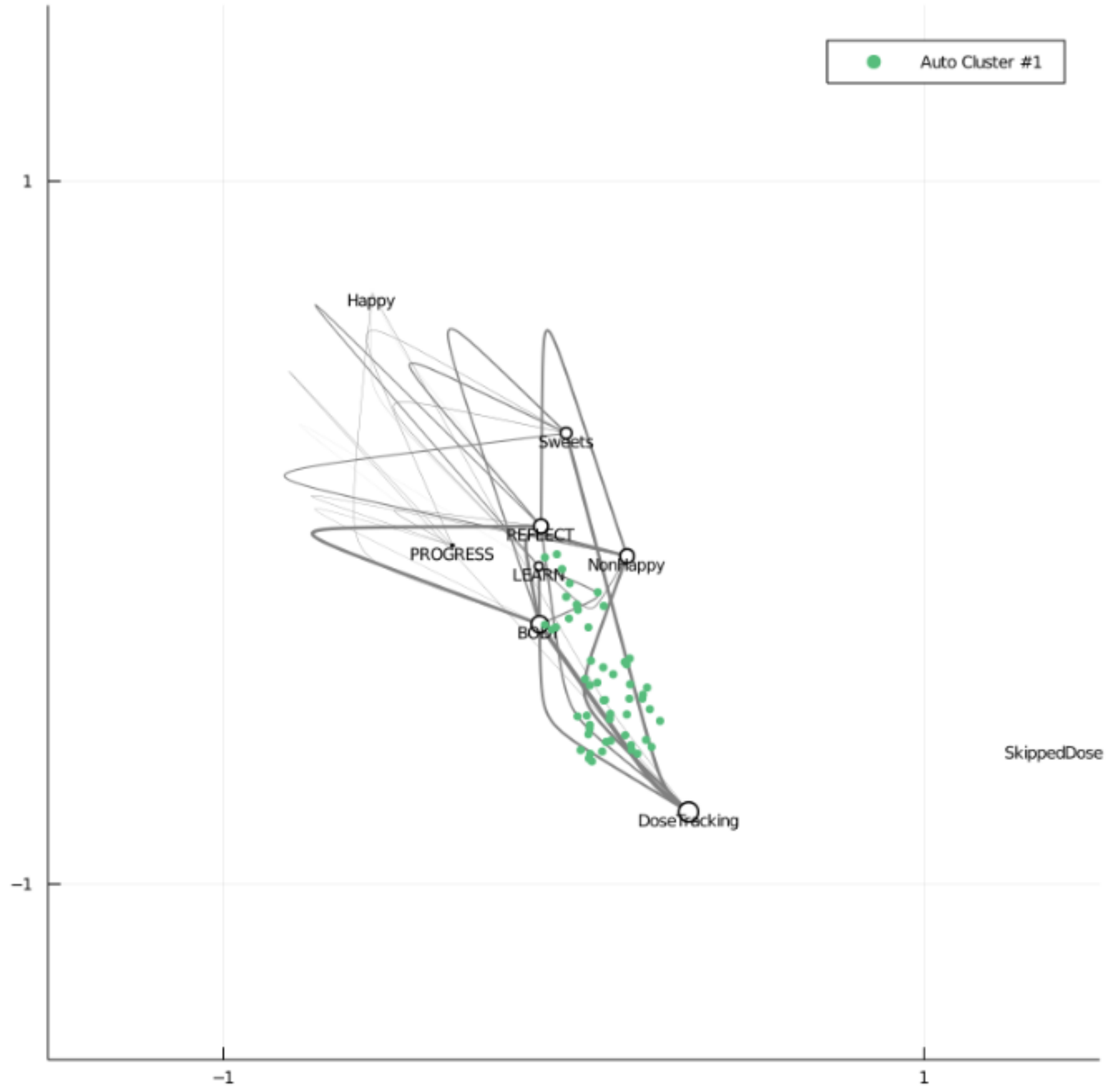


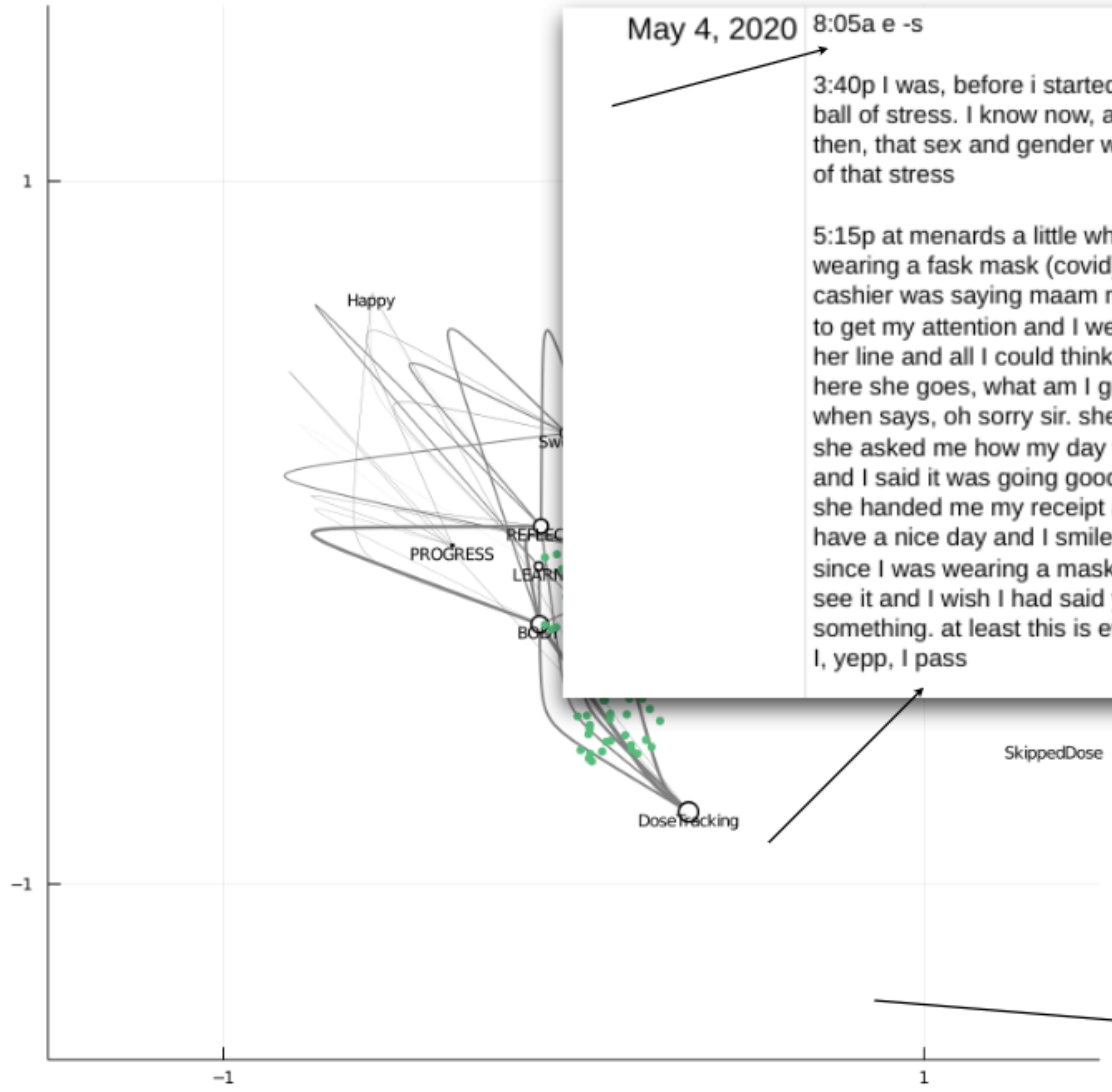




Day	Date	Note	SkippedDose
87	May 11, 2020		1
88	May 12, 2020		1
89	May 13, 2020		1
90	May 14, 2020		1
91	May 15, 2020		1
92	May 16, 2020		1
93	May 17, 2020	10:45a been *angry* the past few days. br	1
94	May 18, 2020		1
95	May 19, 2020		1
96	May 20, 2020		1
97	May 21, 2020		1
98	May 22, 2020		1
99	May 23, 2020		1
100	May 24, 2020	11:45a my face has been oily the past few 12:35p i want a kid 1:10p i want the bougsie life i saw my aun 1:45p rodney mullen 9:30p the thought of going through anothe [REDACTED] [REDACTED]	1
101	May 25, 2020	7:25a i want to be happy, as dumb and as	1
102	May 26, 2020		1
103	May 27, 2020		1
104	May 28, 2020		1
108	June 1, 2020		1
109	June 2, 2020		1







May 4, 2020 8:05a e -s

3:40p I was, before i started therapy, a ball of stress. I know now, and knew then, that sex and gender were both part of that stress

5:15p at menards a little while ago I was wearing a fask mask (covid) and a cashier was saying maam maam trying to get my attention and I went through her line and all I could think was, oh shit, here she goes, what am I going to sav when says, oh sorry sir. she neve she asked me how my day was g and I said it was going good. at th she handed me my receipt and sa have a nice day and I smiled at h since I was wearing a mask she c see it and I wish I had said you to something. at least this is evidenc I, yepp, I pass



July 26, 2020 1p-1:25p

tried on old boy clothes, button ups and ja
i miss, with the very fiber of my soul and

i wish i could fast forward time to see wha

3:15p

walked around the mall, got a fancy lemo

i want to be a professional

5:45p

thinking about stopping hrt

the thought of my hormones going back t

July 27, 2020

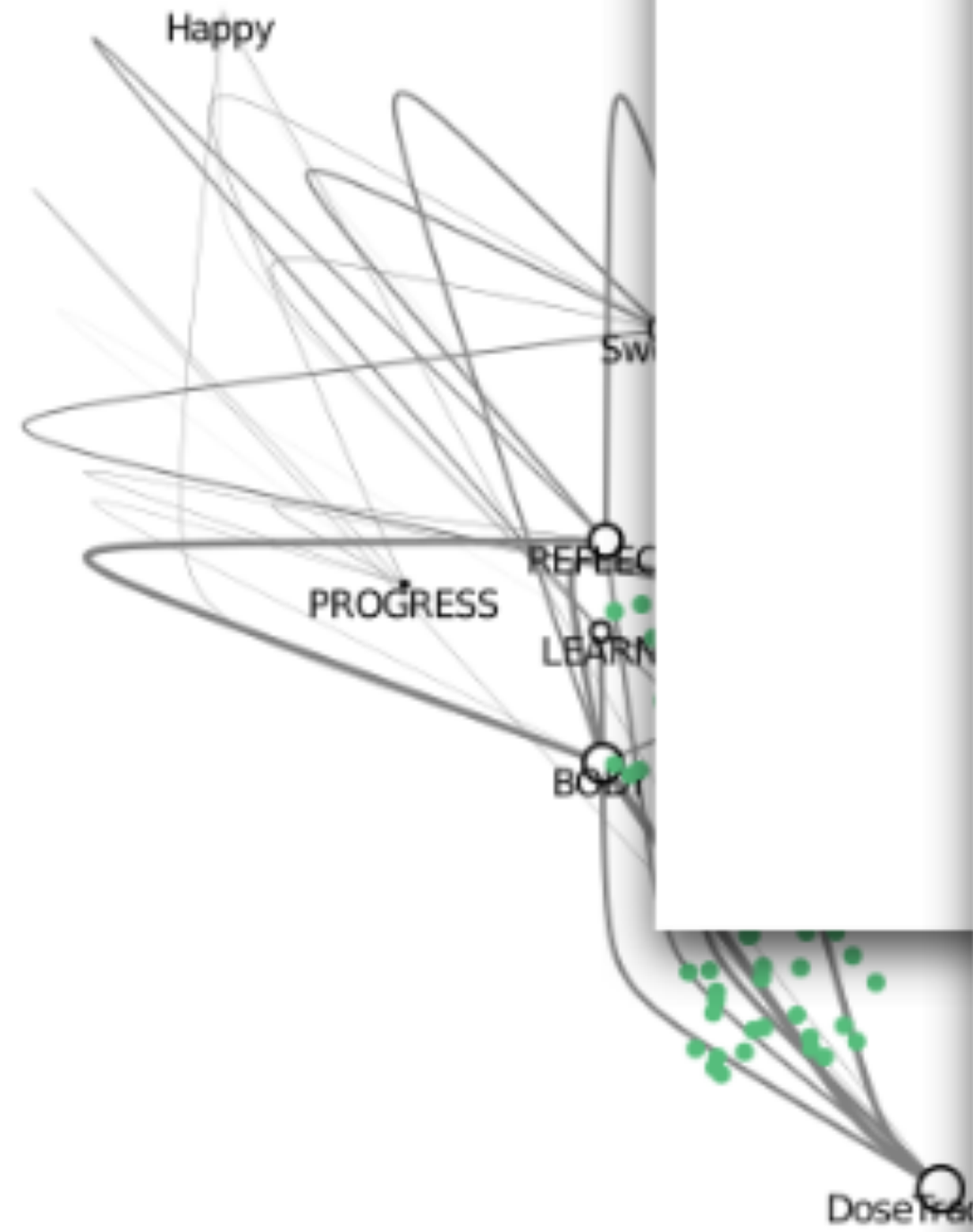
July 28, 2020

July 29, 2020

i am leaning towards stopping hormones.

May 4, 2020 8:05a e -s

3:40p I was, before i started therapy, a ball of stress. I know now, and knew then, that sex and gender were both part



p-1:25p

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July 29, 2020

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May 4, 2020 8:05a e -s

3:40p I was, before i started therapy, a ball of stress. I know now, and knew then, that sex and gender were both part

Happy

From: [REDACTED] PA

To: KNOWLES, [REDACTED] ("Mariah A.")

Message Type: Communication

Priority: Normal

Date: Tuesday, September 15, 2020 9:40 PM

Subject: prescriptions

Attachments:

Message Text:

Hi [REDACTED]

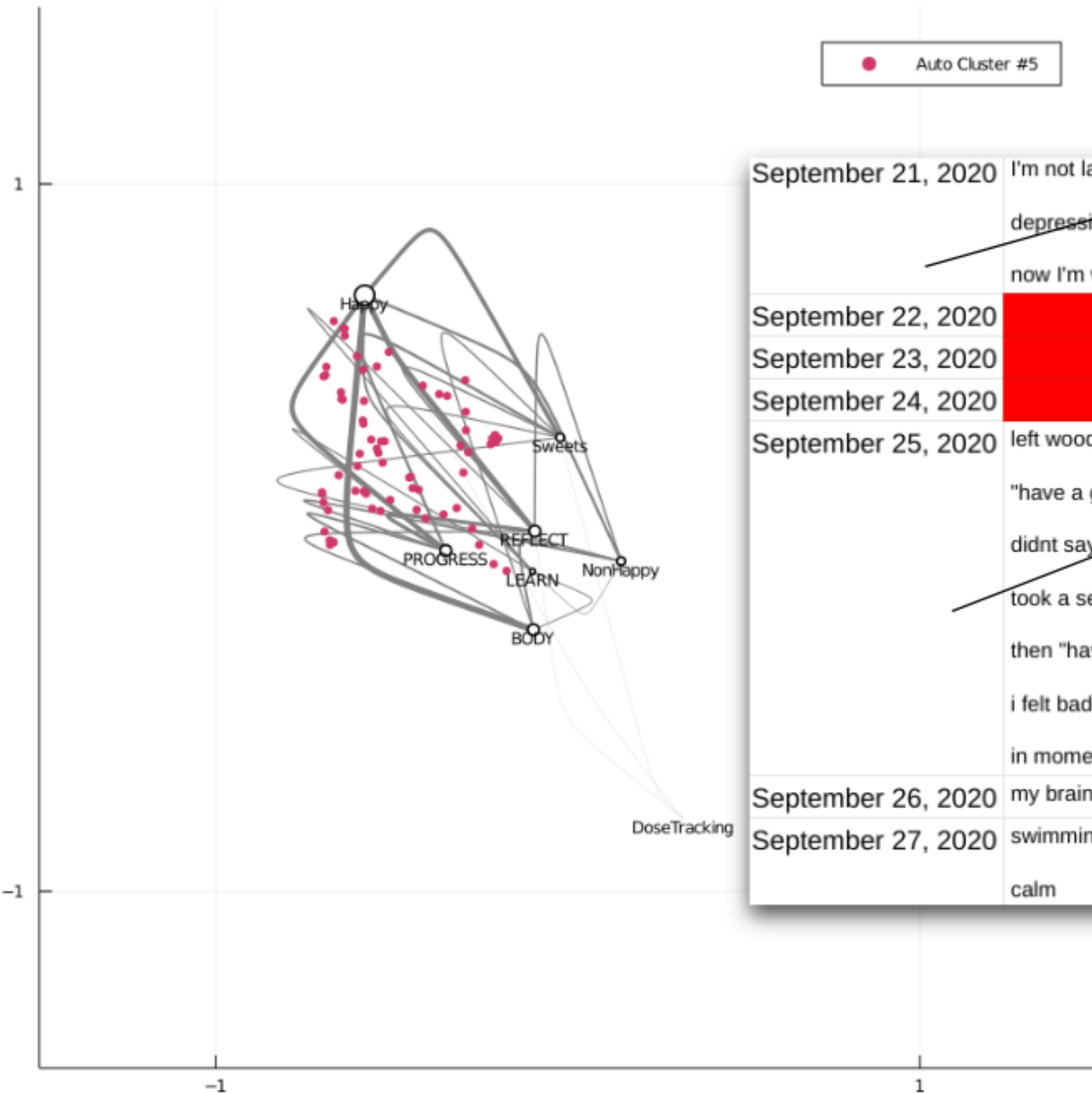
I just thought of something that I wanted to touch base on during the appointment today but it slipped my mind.

If you would be interested, I could put in 3-month supply worth of the medications for you to pick up at once. This

July 27, 2020 [REDACTED]

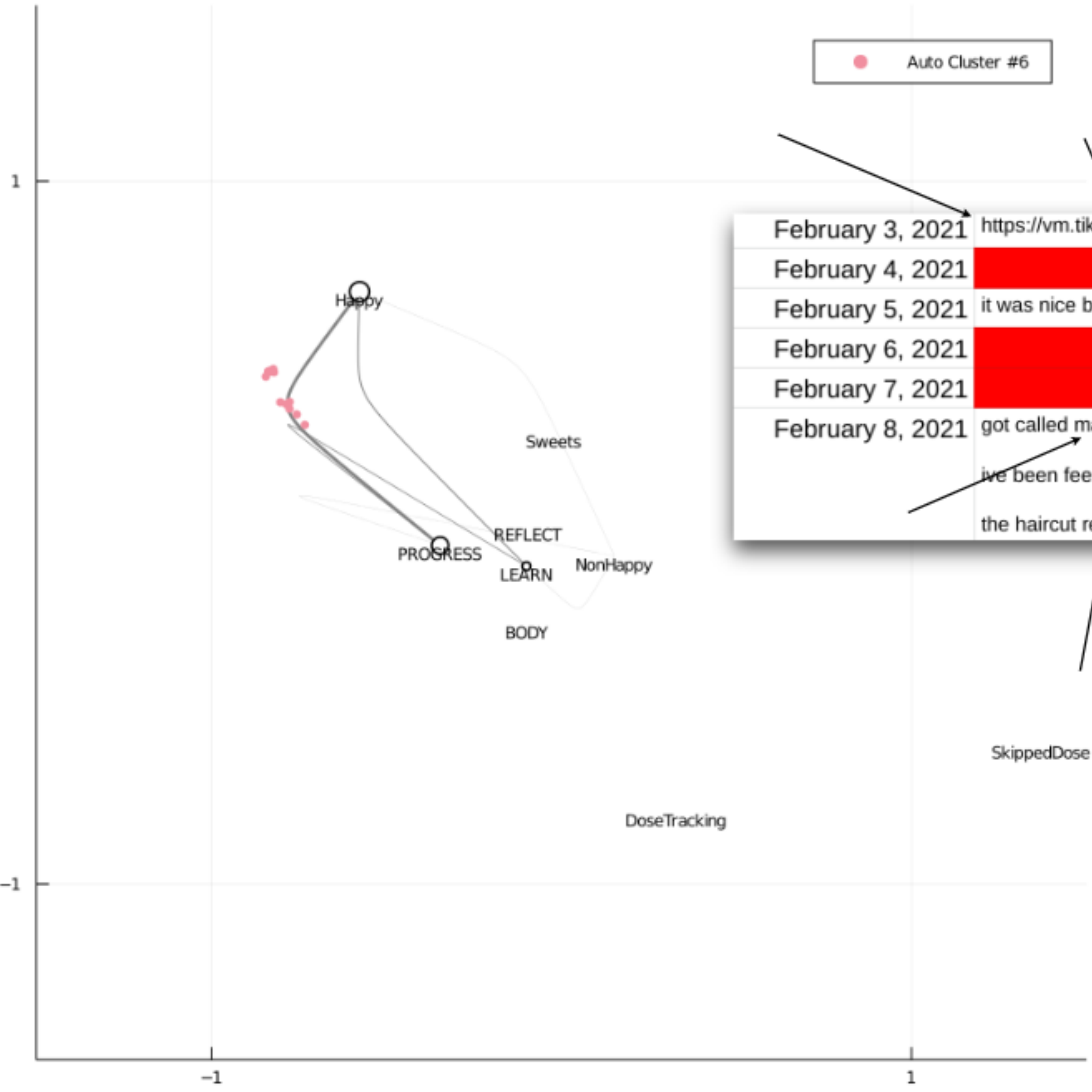
July 28, 2020 [REDACTED]

July 29, 2020 i am leaning towards stopping hormones.



September 21, 2020	I'm not late onset I'm late opportunity depressive yesterday, was overwhelmed a now I'm wide awake at 2am thinking about
September 22, 2020	[REDACTED]
September 23, 2020	[REDACTED]
September 24, 2020	[REDACTED]
September 25, 2020	left woodmans "have a good day maam" didnt say it with a tone or correct himself took a second to realize he didnt say "ma then "have a good day sir" so much on the i felt bad that i didnt know how to respond in moments like this i feel guilt and shame
September 26, 2020	my brain fog is gone, but since Sunday my
September 27, 2020	swimming in the watering hole as a act of calm

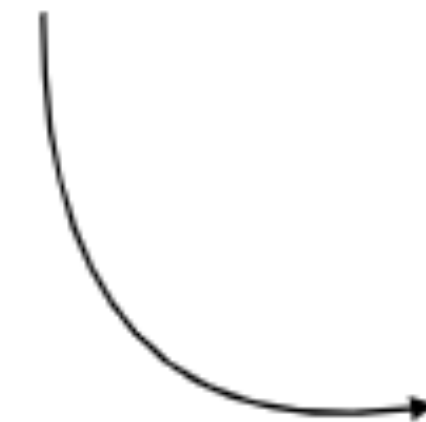
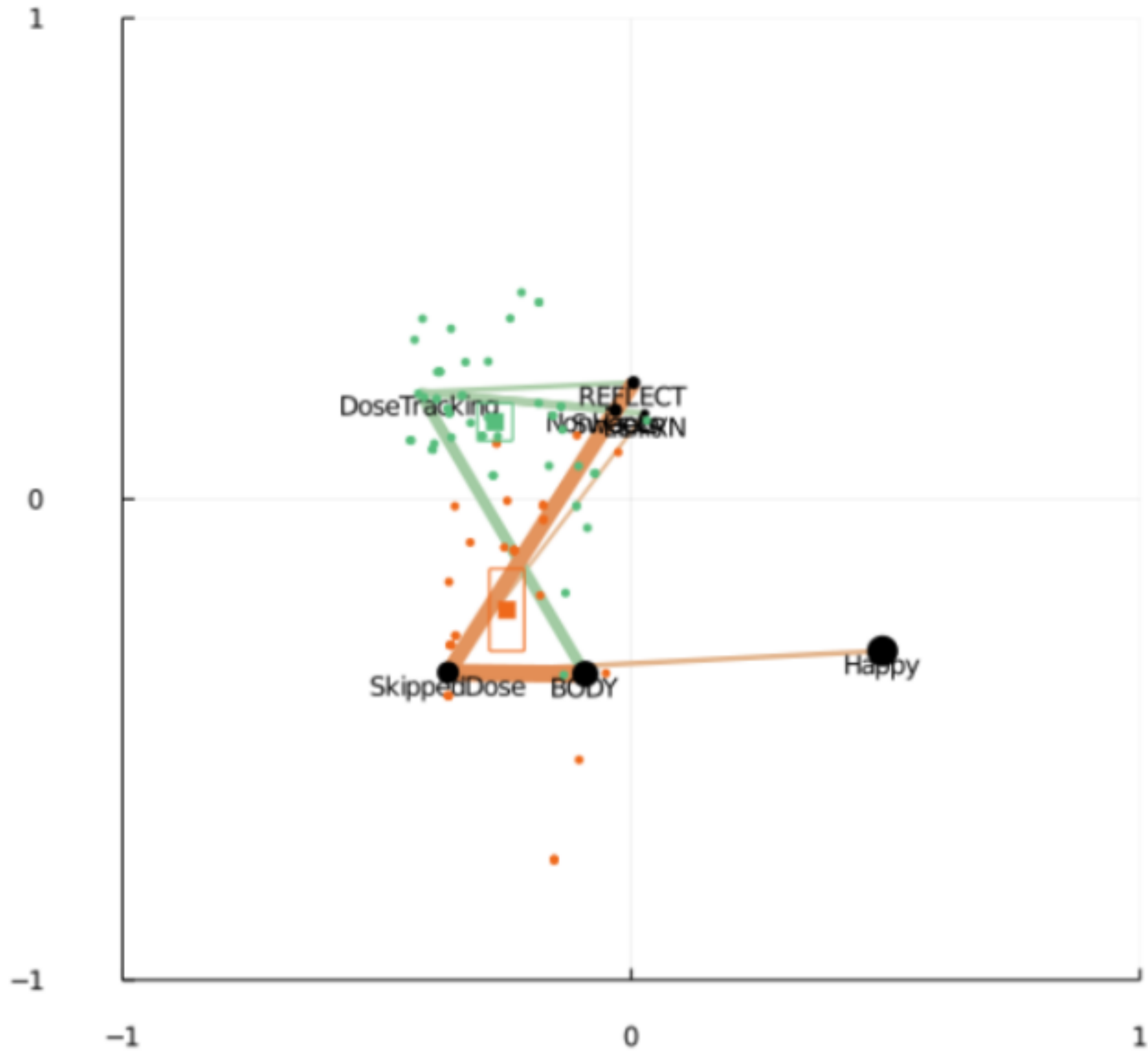




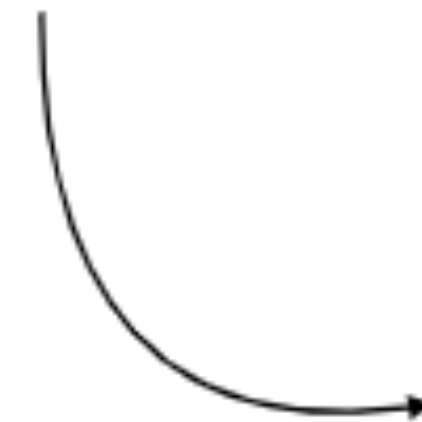
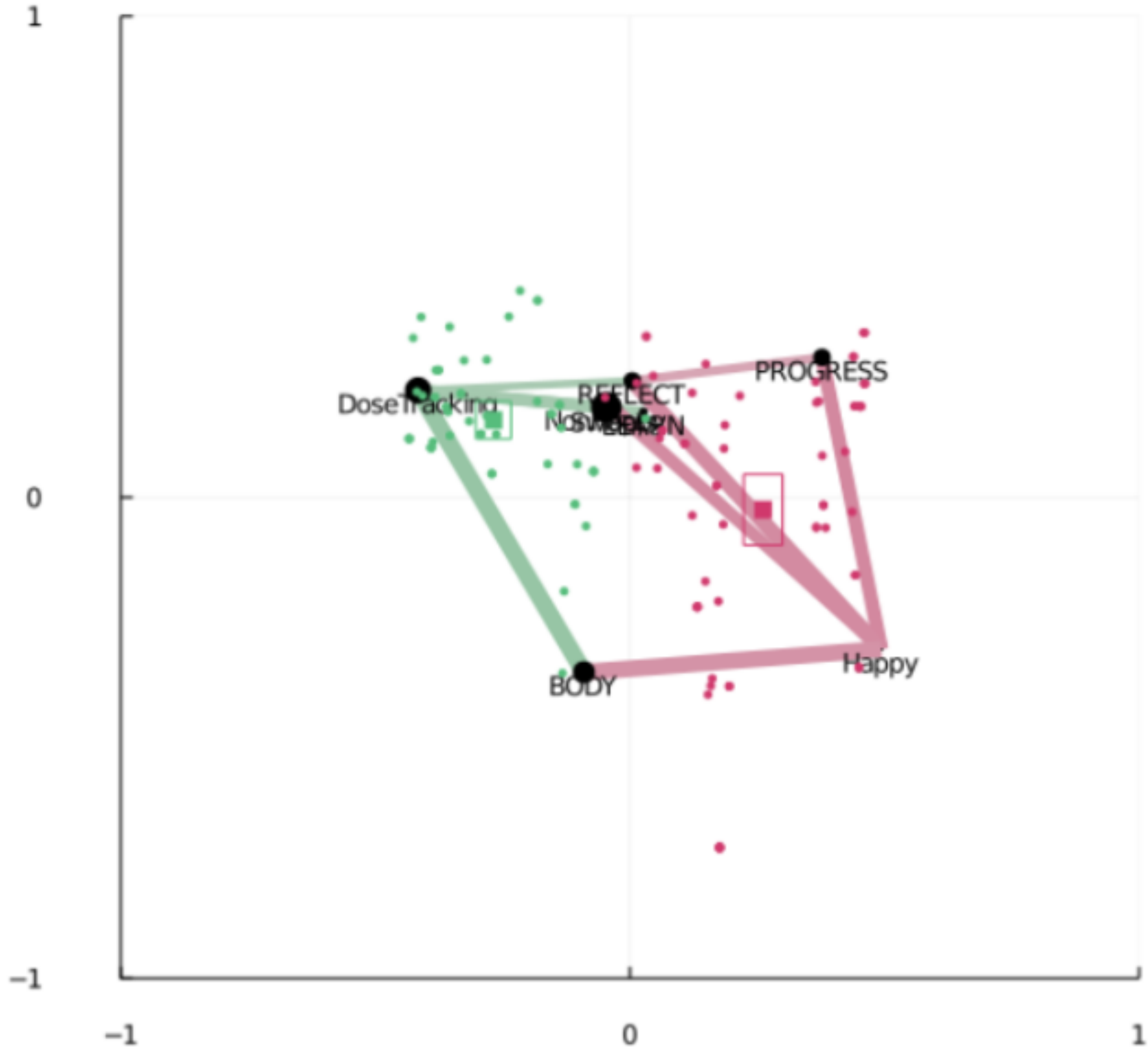
February 3, 2021	https://vm.tiktok.com/ZMeJqdpFx/ [on con
February 4, 2021	[REDACTED]
February 5, 2021	it was nice being out today and being resp
February 6, 2021	[REDACTED]
February 7, 2021	[REDACTED]
February 8, 2021	got called maam on the phone when talkin ive been feeling really good about myself the haircut really helps ❤️



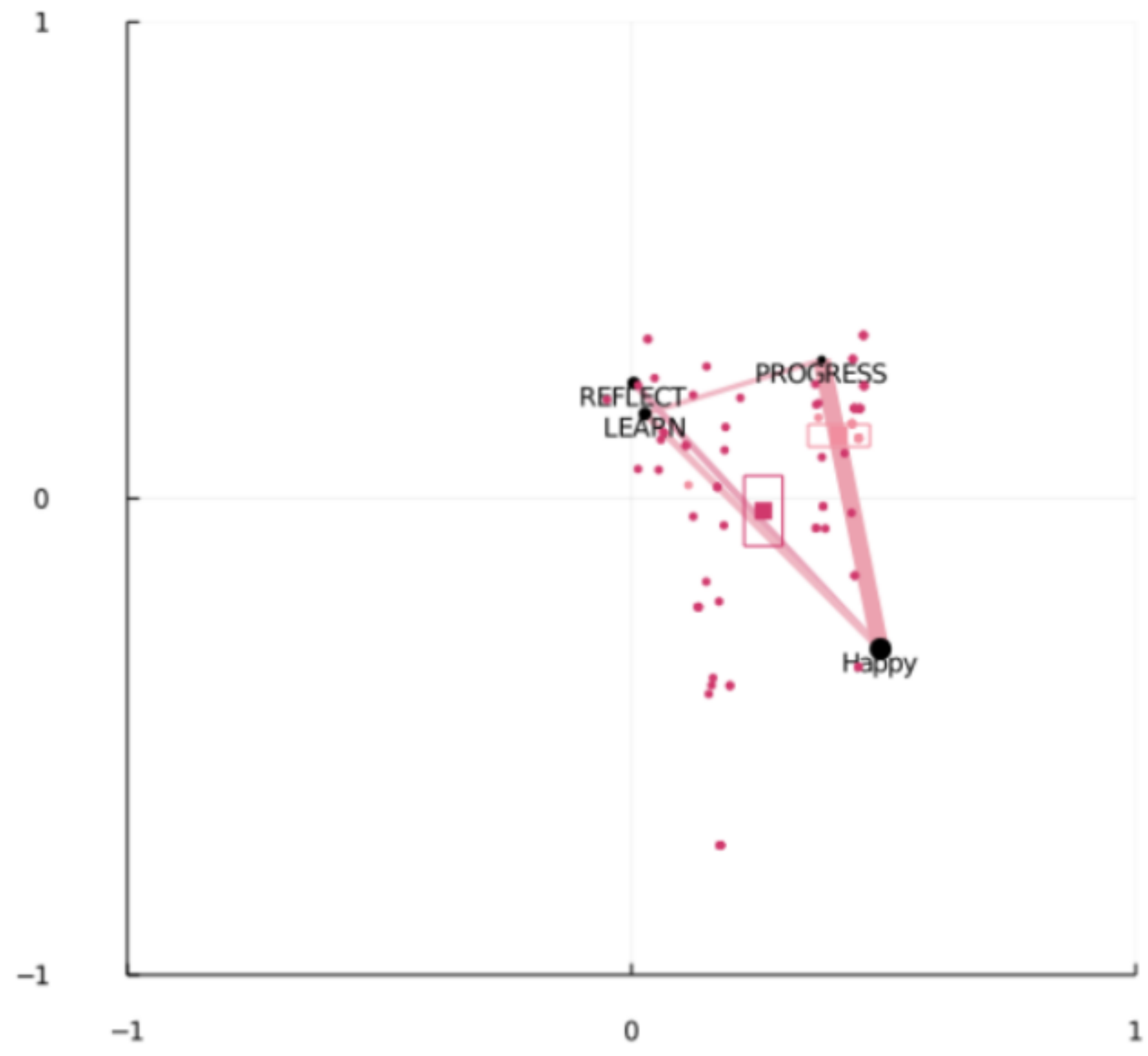
(h) Auto Cluster #2 - Auto Cluster #1



(i) Auto Cluster #5 - Auto Cluster #1



(m) Auto Cluster #6 - Auto Cluster #5



- Research has two steps.
 - Step one: Get the story fucking right.
 - Step two: Tell the moral of the story.
 - My role as a mixed-methods researcher: Tell a rich qualitative story whose turns are guided by quantitative features
- I told the story of my first year on HRT, structured around certain twists and turns and an email from my doctor
 - I did *not* tell the story structured around coming out to my advisor, choosing a new name, changes to my body, ...
 - Why ought my telling be the right one?

ty

Mariah A. Knowles • she/her • mariahknowles.com