I had methylated feelings I couldn’t express
I was DNA obscured by epigeneticness
My CpG islands, a terrible mess
Caused blocked promoters, no transcription progress
But when I’d made two fresh strands, all shiny and new
They said, “I’m gonna be like you, Dad.
You know I’m gonna be like you.”

And the genes are not all that get passed along
The daughter cell copies might sing the same song
We follow the paths our parental strands took,
We’re an annotated book, yeah.
Our strands an annotated book.
Parody

Easier
Parody

Familiarity
Goals

Engagement
Memory
Resonance
Engagement
The songs made me feel more engaged in the class.

Familiarity and engagement

12.7% of student comments on music surveys mentioned familiarity

Memory
Assessment: Memory

The songs helped me memorize terms.

Familiarity and memory


Resonance

resonance

NOUN

[mass noun]

1 The quality in a sound of being deep, full, and reverberating. ‘the resonance of his voice’

1.1 The power to evoke enduring images, memories, and emotions. ‘the concepts lose their emotional resonance’

https://www.lexico.com/en/definition/resonance
Assessment: Resonance

- The songs helped me memorize terms. (57.7% agree, 71.3% strongly agree)
- The songs helped me understand the material.

Familiarity and resonance

Engagement + Memory = Resonance?

Connections between STEM and self

Seeking familiarity

Choose songs students know

https://www.bridalguide.com/blogs/top-100-wedding-songs

Use mood/theme/topic of song

Stories and characters
Plot the Data One More Time

Oh data data, how was I supposed to know
That something wasn’t right here
Oh messy data, in regressions your R-squared’s low
And your p-values are high, yeah

Show me a pattern that I can see,
Tell me data cause I need to know now, oh because,
I spent a year hanging out in lab (even weekends)
Burned through the money on my PI’s grant (out of cash)
If I can’t publish I’ll lose my mind
Give me a sign, plot the data one more time!

Principal investigator: boss, parental figure

Not much correlation

Differences between groups likely chance

Oh data data, how was I supposed to know,
I should have modified my protocols three years ago.

I must confess,
that this total mess
Is getting me down

(But) don't you know I still believe
There’s a pattern here
That I just might find

Plot the data one more time!
Acknowledgments

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My students

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