"Everyone is Gay and Nothing Hurts": The Presentation of Queer Relationships in Fanfiction

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NLP and LGBTQ Issues

- Existing focus is on identifying and quarantining hate speech in "mainstream" corpora (Dinakar et al. 2012, Djuric et al. 2015, Waseem 2016)
- Less effort into studying queer language within queer-friendly spaces.

A Different Corpus: Archive Of Our Own

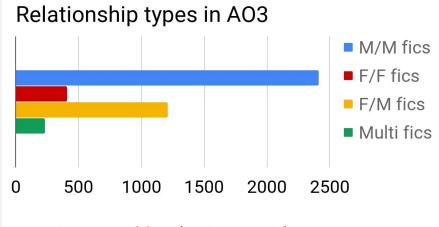
Archive Of Our Own (AO3) is a noncommercial database for fanfiction and transformative works, gaining popularity as a source of data in the digital humanities (Milli and Bamman 2016)

- Large--almost 5 million works, more each day
- "Average" writers, contemporary
- Metadata: author annotation in form of authors' notes and "tags" describing the work in great detail

AO3: A Queer Space

Fanfiction writers are often queer and write queer stories to fix a lack of queer content in traditional media (Lothian et al. 2007)

Community mores are very pro-queer (cishet stories often framed as objectionable), with few open queerphobes.



Number of fics (in thousands)

there's a straight scene sorry (1)

I cannot believe I wrote something with an heterosexual couple in it (1)

theres like 1 straight couple im sorry but theyre cool (1)

Not Every Character is Queer but the Writer Is Not Overly Interested In Being Polite or Heterosexual (1)

The Question

Queerness is present in AO3, but there's still debate over whether this is "good" representation of queer issues.

• Ex. little representation for queer women, fetishization, queer relationships without using explicit queer labels

The problem: AO3 is a context-rich corpus, and traditional NLP techniques are designed to work in a lack of context. Traditional NLP techniques lead to naive conclusions.

• Goal: measure and inspect how LGBTQ characters and concepts are presented differently across corpora

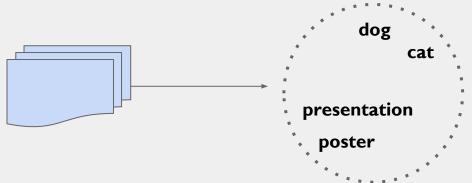
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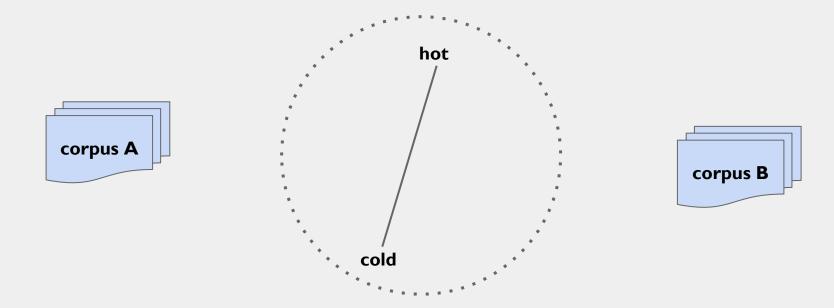
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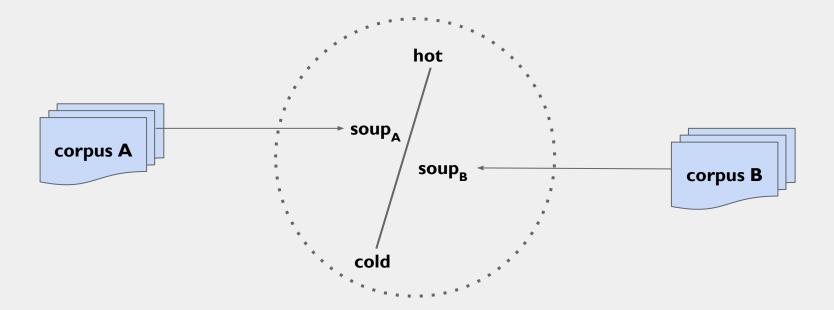




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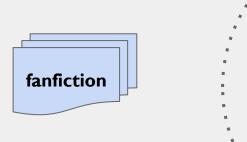
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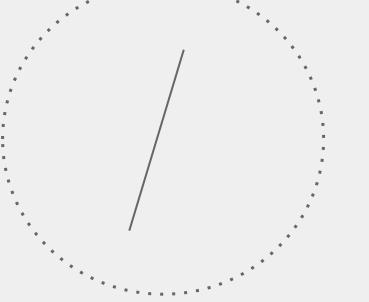


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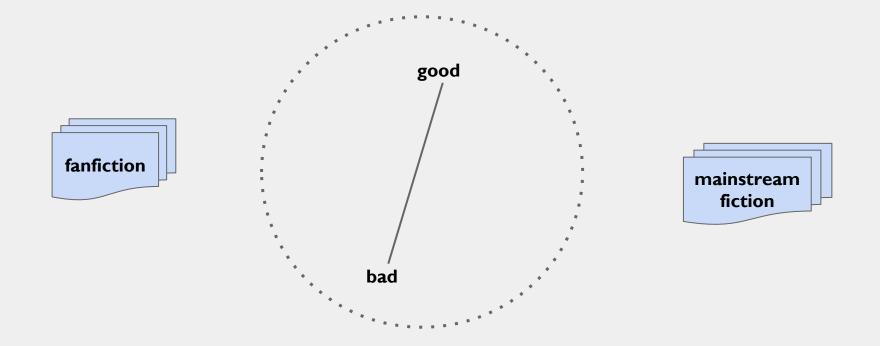
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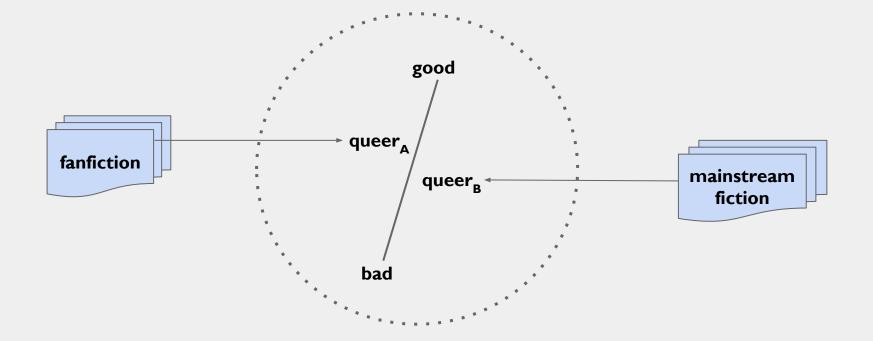
- Which semantic dimensions are relevant to the presentation of identity?
- Theorizing Identity in Language and Sexuality Research, Bucholtz and Hall (2004)
 - Recognition vs illegitimation (good/bad)
 - Sameness vs difference (*same/different*)





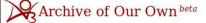






Fanfiction data

- 7 most popular fandoms on Archive Of Our Own
 - Marvel
 - Supernatural
 - DC
 - Sherlock Holmes
 - Teen Wolf
 - Star Wars
- 21,000 stories
- 150 million words



Search

About

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Fandoms

Rating:	Teen And Up Audiences
Archive Warning:	No Archive Warnings Apply
Category:	M/M
Fandom:	Harry Potter - J. K. Rowling
Relationships:	Draco Malfoy/Harry Potter, Harry Potter/Ginny Weasley
Characters:	Draco Malfoy, Harry Potter, Astoria Greengrass, Daphne Greengrass, James Sirius Potter, Lily Luna Potter, Hermione Granger, Ron Weasley
Additional Tags:	Minor Character Death, Emotional/Psychological Abuse, Physical Abuse Harry Potter, Number Twelve Grimmauld Place, Draco Malfoy & Harry P Scorrous Malfoy & Albus Severus Potter Friendship, Abusive Belationshi
Language:	Harry Potter, Number I welve Grimmauld Place, Draco Malfoy & Ha Scorpius Malfoy & Albus Severus Potter Friendship, Abusive Relatio English
Stats:	Published: 2019-05-08 Updated: 2019-05-08 Words: 8324 Chapt

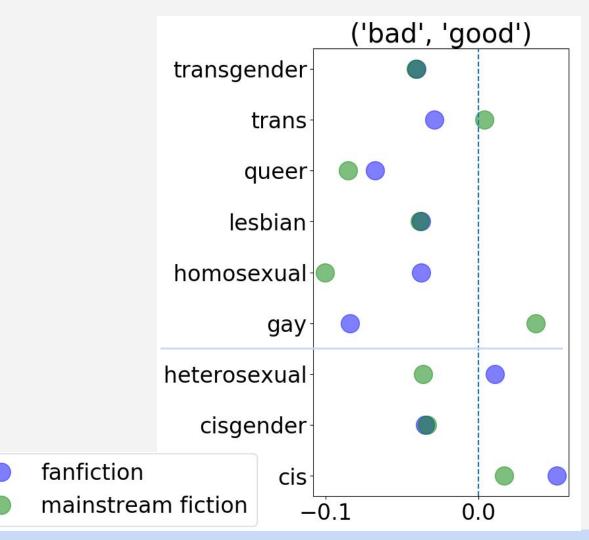
How Love Hurts

LindyA1985

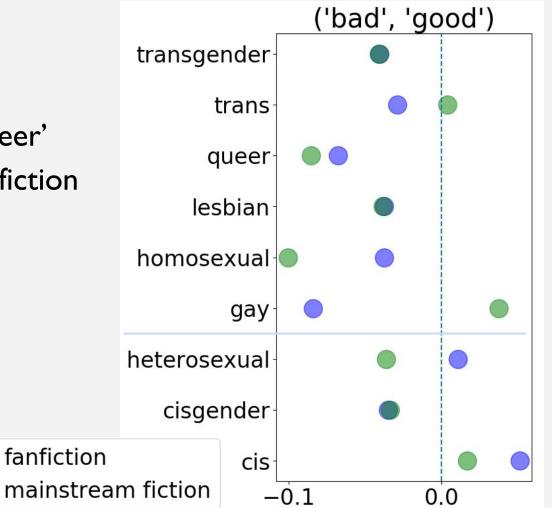
Cummon

Mainstream fiction data

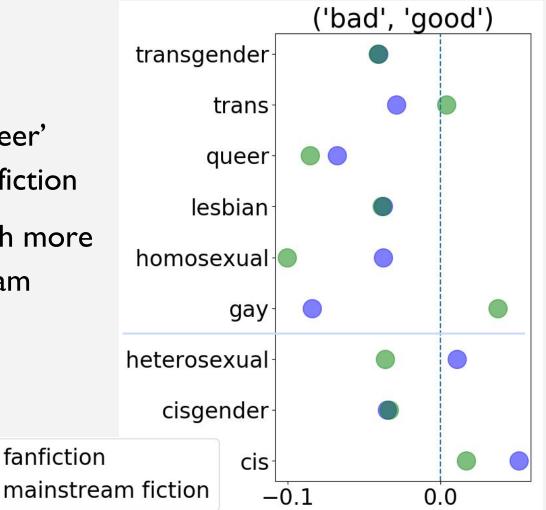
- Corpus of Contemporary American English (COCA)
 1990-2017
- Fiction section includes
 - short stories and plays from literary magazines
 - children's magazines
 - popular magazines
 - first chapters of first edition books
 - movie scripts
- 128 million words



• Sometimes expected: 'queer' more toward *good* in fanfiction



- Sometimes expected: 'queer' more toward *good* in fanfiction
- Otherwise not: 'gay' much more toward good in mainstream fiction



The Paradigm Shift

Using only direct linguistic observation ignores social motivation of fanfiction.

 Writing on AO3 skews towards negative subjects overall ("angst")

As a next step, we utilize a social examination of the AO3 author group and the significant advantage of AO3--its user-annotated metadata--to create a new paradigm for studying this space.

Social Analysis

Authors have specific, varied motivations for writing fanfic.

The "vent fic": stories by queer authors about discrimination, written for emotional catharsis.

"Aspirational" fics: stories by queer authors fantasizing about worlds without discrimination.

(Mostly) identifiable by metadata tags.

Methodology: Sub-Corpora

We isolate two sub-corpora from AO3 based on user-generated metadata tags, "challenges" versus "aspirations".

Idea: use these sub-corpora as more nuanced baselines.

Everybody's Gay!, everybodys gay, Everybodys gay and you can fight me, everyoen else is gay, everyone fic is gay fight me, everyone in this series is gay ok, everyone in this show is homosexua re is a little gay in this, everyone is a tad gay, everyone is also gay, everyone is at least a little gay, Everyo everyone is gay !, Everyone Is Gay (mostly), Everyone Is Gay . . . kind of, EVERYONE IS GAY AF, everyone is sorry, everyone is gay and im not sorry, everyone is gay and it is okay, everyone is gay and its great, ever ause my boys deserve to be happy, everyone is gay and nothing hurts, everyone is gay and thats just how AS everyone is gay as , everyone is gay at some point, Everyone is Gay AU, everyone is gay bas h it, everyone is gay dont @ me, everyone is gay fight me, Everyone is gay for some reason, everyone is c nake the rules, everyone is gay in chapter 4 and probably other future updates, everyone is gay in some w ven funny, Everyone is gay Imao, everyone is GaY III, Everyone IS Gay...cuz i wanna, Everyone IS Gay.mp3,

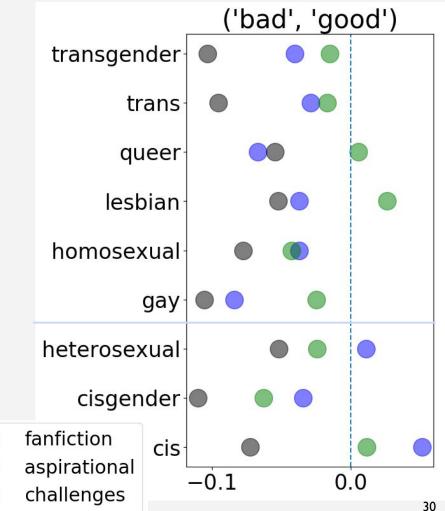
Methodology: Corpora Selection

<u>"Challenge fic" (6k total):</u>

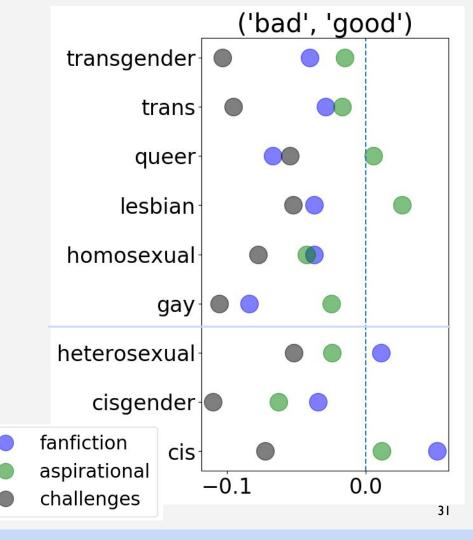
- "Homophobia"
- "Transphobia"
- "Biphobia"
- "Closeted Character"/"Outing"
- "Slurs"/"Hate Crimes"
- "Internalized Homophobia"
- "Outing"

"Aspiration fic" (7k total):

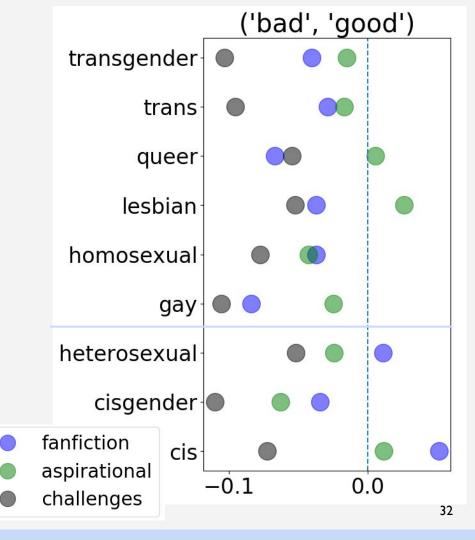
- "LGBTQ Themes"
- "Coming Out"
- "Gay Character"
- "Lesbian Character"
- "Bi Character"
- "Trans Character"



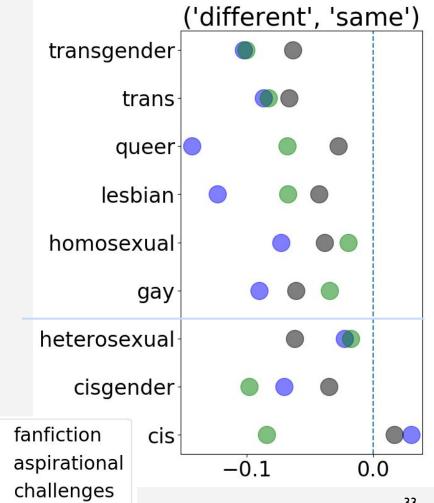
 General trend that aspirational fics have queer terms closest to good overall, fits intuition



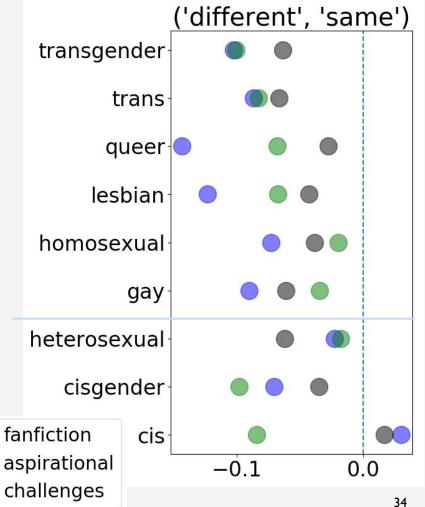
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- "Normative" terms closer to bad in aspirational fics than random selection of fanfic, even closer in challenge fics



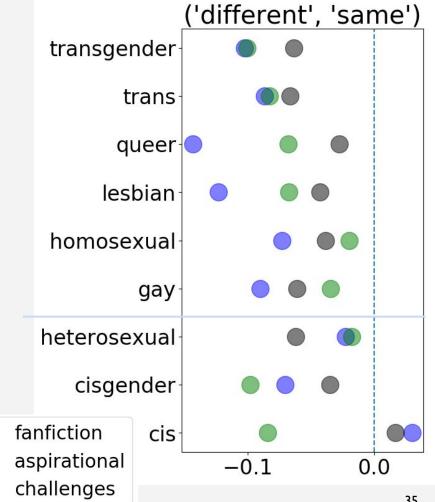
Results less clear for this axis •



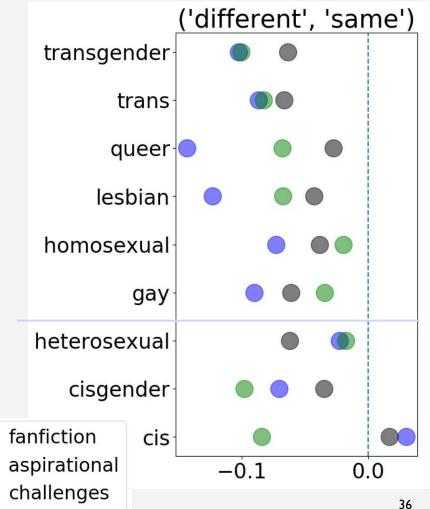
- Results less clear for this axis
- In general, terms in challenges closer to *same* than aspirational



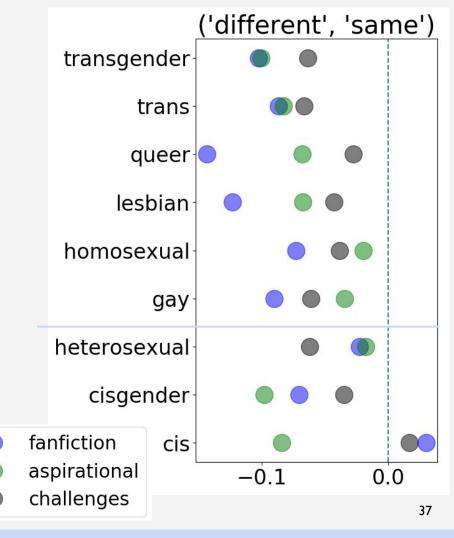
• Terms in challenges closer to same than aspirational:



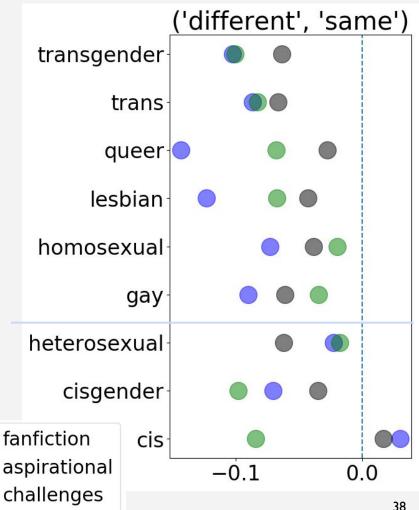
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 - 'l' close to *same* in challenge fics.
 - Challenge fics often come from personal experience, "same" as author.



Conclusion

- Language lets us indirectly measure treatment and acceptance of marginalized groups
- Word vectors alone ignore social context unique to marginalized groups
- Metadata allows us to shape input in a way that captures nuance missing from straightforward NLP

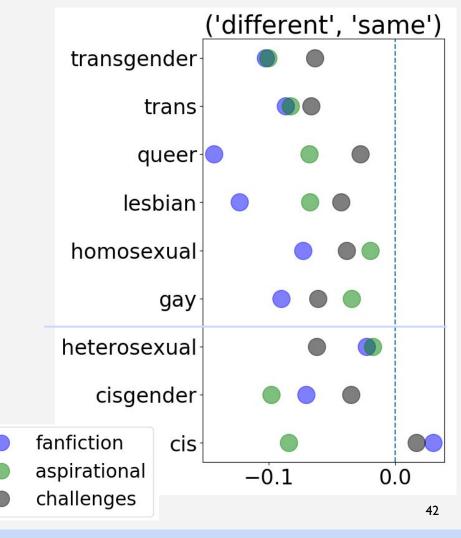
Future work

- Manually locate better corpus splits for other semantic axes
- Automatically identify meaningful corpus splits based on word vector variation
- Indirect associations with gender and sexuality made where stories contain queer relationships, but do not mention queer identity labels

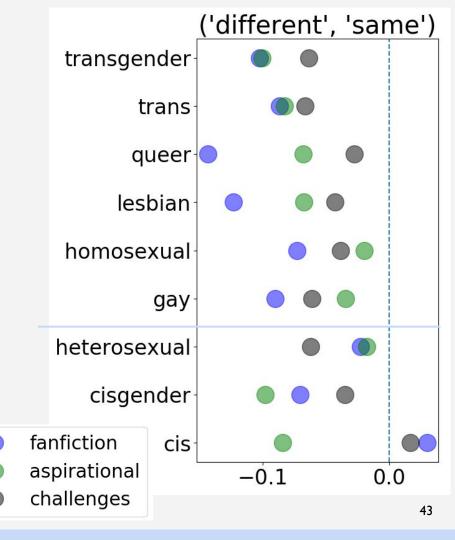
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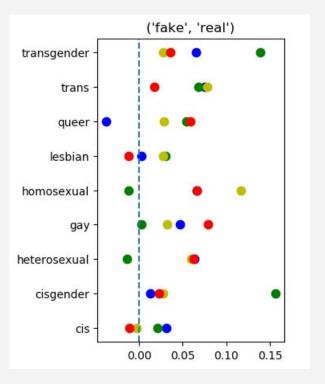
Luke Breitfeller mbreitfe@andrew.cmu.edu Michael Miller Yoder yoder@cs.cmu.edu

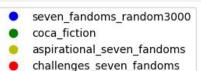
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 - Identity labels often in sharper, negative contexts:
 "Was it so awful to have a lesbian for a daughter?"







- 'Transgender' unexpected aspirational closer to *fake* than challenges corpus
- Could expect terms to be more "real" in challenges since occur in more serious contexts, or could expect negative attitudes around them which might tend things toward *fake*
 - Challenges corpus more real than aspirational for 'transgender', 'queer', 'gay'
 - Challenges corpus more fake than aspirational for 'trans', 'lesbian', 'homosexual'
- Hegemonic terms more toward fake than non-hegemonic terms are (not sure)