

“So now let’s multiply.”

Principles to Action



What is Data Feminism in Action?

Model Card - Smiling Detection in Images

Model Details

- Developed by researchers at Google and the University of Toronto, 2018, v1.
- Convolutional Neural Net.
- Pretrained for face recognition then fine-tuned with cross-entropy loss for binary smiling classification.

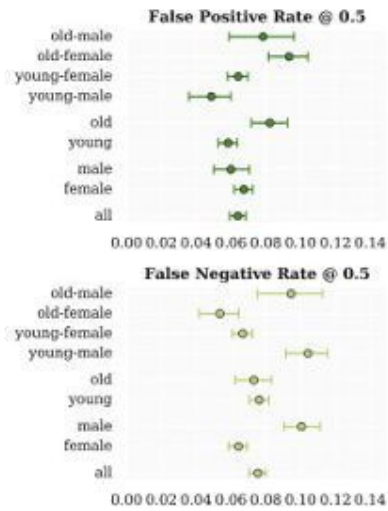
Intended Use

- Intended to be used for fun applications, such as creating cartoon smiles on real images; augmentative applications, such as providing details for people who are blind; or assisting applications such as automatically finding smiling photos.
- Particularly intended for younger audiences.
- Not suitable for emotion detection or determining affect; smiles were annotated based on physical appearance, and not underlying emotions.

Factors

- Based on known problems with computer vision face technology, potential relevant factors include groups for gender, age, race, and Fitzpatrick skin type; hardware factors of camera type and lens type; and environmental factors of lighting and humidity.
- Evaluation factors are gender and age group, as annotated in the publicly available dataset CelebA [36]. Further possible factors not currently available in a public smiling dataset. Gender and age determined by third-party annotators based on visual presentation, following a set of examples of male/female gender and young/old age. Further details available in [36].

Quantitative Analyses



**"REDLINING DESTROYED
THE POSSIBILITY OF AN
INVESTMENT WHEREVER
BLACK PEOPLE LIVED."
TAMER HISI COATES
"THE CASE FOR
"REPARATIONS" H"**



The Anatomy of a FEMINICIDE COUNTERDATA SCIENCE PROJECT

RESOLVING

Starting a monitoring effort

Background and motivation for why activists start a database of cases. Their theory of power and conceptual influences; their framing of the problem; how they encountered missing data; why they believe counting feminicides or gender-related killings may help to challenge the problem.

Travestido de Melody: Mendoza tendrá su primer juicio por crimen de odio

"O perigo da omissão": casos de feminicídio trazem à tona debates sobre como evitar que mais crimes aconteçam

Feminicide présumé dans le Népal

He's no good for you: Warning signs followed boyfriend charged in murder of Maine activist

Nuevo feminicidio en Argentina avisa pedido de reforma judicial

RESEARCHING

Finding + verifying information

Activists seek relevant information to add to their database. This can include sourcing existing datasets, mining media and other sources of information, and triangulating across sources to verify details. Such research either discovers new cases or adds information to existing cases in the database.

Feminicídio, mot de l'année du Post Robert

Feminicide présumé dans le Népal

2020 watafaqa manami qunqashuntsu

Alertan aumento de violaciones y agresiones por género en México

13° feminicídio présumé au Québec

Out of the Shadows: Violence Against Women

It's overwhelming: Community mourning after Black transgender woman killed in East Oak Cliff

Indígena brasileiro denuncia feminicídio contra mãe

A assassin a madre de víctima de tráfico infantil en Guatemala

RECORDING

Information extraction + classification

Activists transform unstructured data from various sources into structured datasets located in databases, spreadsheets and/or text documents. They classify cases according to diverse typologies. They manage data, including ethics, access and governance of the database.

HER AGE	HER RACE / ETHNICITY	ABOUT HER	RELATIONSHIP	HER AGE	DETAIL
3	Black / African American		Father / Stepfather / Mother's ...	38	NEED LEGAL OUTCOME DATE OF DEATH
38	White	She was an emergency room...	Husband	57	NEED LEGAL OUTCOME DATE OF DEATH
52	White	She was a sex worker which I a...	Unknown / Unreleased	34	NEED LEGAL OUTCOME DATE OF DEATH
10	Latina	She was in a domestic violence...	Son / Stepson / Partner's Son / ...	18	NEED LEGAL OUTCOME DATE MISSING
30	White	She focused her life on motherho...	Ex-husband	31	NEED LEGAL OUTCOME DATE OF DEATH
14	Black / African American		Acquaintance / Friend	12	NEED LEGAL OUTCOME DATE OF DEATH
29	White	She was a domestic violence...	Ex-boyfriend / Domestic partner	49	NEED LEGAL OUTCOME DATE OF DEATH
41	White	Her obituary said, "Victim was a ...	Husband	41	COMPLETED DATE OF DEATH
71	White	She served as president of the ...	Husband	71	NEED LEGAL OUTCOME DATE MISSING

REFUSING + USING

Where data go, who uses them

Reform / Working with state to formulate new laws, policies and practices

Remember / Memorializing killed people; Grieving in public

Revolt / Protesting, mobilizing; Performing resistance in public space

Reframe / Storytelling that challenges stigma; Reframing violence as structural

Repair / Supporting families and communities who have lost beloved members





Seven Principles



Examine Power



Challenge Power



Elevate emotion and embodiment



Rethink binaries and hierarchies



Embrace pluralism



Consider context



Make labor visible

Small Group: Ethical Considerations in Data

Scenario: Developing a Health Monitoring App

You are part of a team developing a health monitoring app to help users track their heart health. The app collects data such as heart rate, activity levels, sleep patterns, and user-reported stress levels. The data will be analyzed to provide personalized health recommendations and risk alerts for conditions like heart disease.

Key Considerations:

- The app will primarily use wearable fitness tracker data but will also ask users to self-report certain behaviors and symptoms.
- The app is funded by a healthcare company that wants to use aggregated data to inform new product development.
- It will be marketed to a general audience, but the initial dataset comes from a clinical trial with participants who are mostly middle-aged men.

Spend 3 minutes comparing your previous response to your current response, is anything surprising?


Formal Ways to Engage

- Volunteer your time and skill:
 - [Data for Black Lives](#)
 - [Code for Philly](#)
 - [Philly's Social Justice Hackathon](#)
 - [Philly Community Wireless](#)
- Organize (or attend) community or campus events around data justice and co-liberation.
 - Workshops
 - Hackathons
- [OpenDataPhilly](#)



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Everyday Engagement

- Utilize ethical frameworks when choosing datasets for future classes and projects
 - Continually question the assumptions and methodologies of data that you encounter
 - Create and share accessible visualizations
 - Read and share blogs, articles, and more from organizations that follow guiding principles in which you believe
- 
- A series of four blue curved line segments in the bottom right corner, arranged in a diagonal pattern from bottom-left to top-right.

What's your next step?

Data Feminism in Action: Zines

Manifesto-no

Example Zines:

- [Data for Gender Equality Zine](#)
- [Data Feminism Book Club Visual Notes](#)
- [Feminist Zine Archive](#)
- [Queer Zine Archive](#)

Some suggested topics:

- What is Data Feminism?
- Design Justice
- Manifest-no
- The Data I Didn't Consent To
- My Community, My Data
- How to Read a Data Viz like a Feminist
- What My Data Says
- A Love Letter to Slow, Messy, Caring Data Work
- If I Were an Algorithm...
- How to Start a Counterdata Project

Resources

- [Design Justice Network Principles](#)
- [Data Feminism Principles](#)
- [Counting Feminicide: Data Feminism in Action](#)
- [Data for Black Lives](#)
- [Our Data Bodies](#)
- [Data Detox Kit](#)
- [A People's Guide to Tech \(\\$\)](#)
- [Collective Actions](#)

