

Truth & Stereotypes

Greg Restall



THE UNIVERSITY OF
MELBOURNE

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Philosophy lecture

Philosophy
lectures are
interesting.

Stereotypes

Generics

Inference

Disagreement

Truth

STEREOTYPES

Philosophy lecture



Example Stereotypes

Bird





Example Stereotypes

Man

Example Stereotypes

Muslim

Acquiring Concepts

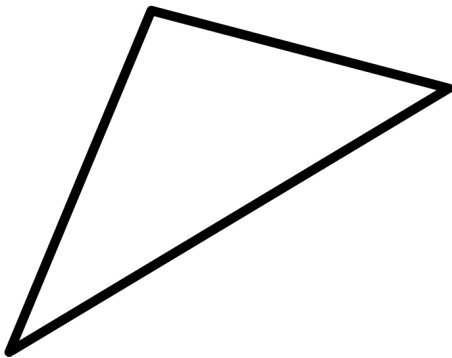
1. By *definition*

1. By *definition*
2. By *example*

Triangles

A triangle
is a plane figure,
with three sides,
each of which
is a straight line.

Triangles



Stereotypes are Unavoidable

Even *if* a concept is learned
by way of a definition
you can have a *stereotype* for it.

This is *not* your stereotypical triangle



Stereotypes can be *helpful*

Stereotypes can be *helpful*

Definitions are *hard*.

Definitions are *hard*.

Examples are *specific*.

Definitions are *hard*.

Examples are *specific*.

They can *respond* to experience.

Definitions are *hard*.

Examples are *specific*.

They can *respond* to experience.

They encode *expectations*.

Stereotypes can be *unhelpful*

Expectations don't always match reality.

Expectations don't always match reality.
They *can* blind us to what is really there.

Stereotypes can be *unhelpful*

Expectations don't always match reality.

They *can* blind us to what is really there.

They often *don't* respond to experience.

Stereotypes are “in your head” . . .

Stereotypes are “in your head” . . .
. . . but they aren’t *only* in our heads.

Stereotypes are kind of *social schema*.

Haslanger on Schemas

...schemas are understood to be representations of phenomena that organize our beliefs in a way that helps us form expectations and process new information. Groups form shared schemas that enable their members to respond similarly to circumstances they encounter. Schemas encode knowledge and also provide scripts that frame our interaction with each other and our environment; such scripts can guide group members through collective events or even organize a life.

— Sally Haslanger *Resisting Reality*, (Oxford, 2012)

One aspect of these social schemas is ...

... in our use of *language*.

... in our use of *language*.

Language is a *central* way
(though not the *only* way)
we share our representations,
our expectations, and our knowledge.

GENERIC

Fs are Gs

- ▶ All Fs are Gs
- ▶ Most Fs are Gs
- ▶ Some Fs are Gs
- ▶ The Fs I've seen are Gs
- ▶ Fs are usually Gs

- ▶ ~~All Fs are Gs~~
- ▶ Most Fs are Gs
- ▶ Some Fs are Gs
- ▶ The Fs I've seen are Gs
- ▶ Fs are usually Gs

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- ▶ ~~The Fs I've seen are Gs~~
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- ▶ ~~All Fs are Gs~~
- ▶ ~~Most Fs are Gs~~
- ▶ ~~Some Fs are Gs~~
- ▶ ~~The Fs I've seen are Gs~~
- ▶ ~~Fs are usually Gs~~

Fs are Gs

Philosophy lectures are interesting.

Birds fly.





Men are dangerous.



Opinion Rape and sexual assault

Imagine if men were afraid to walk home alone at night

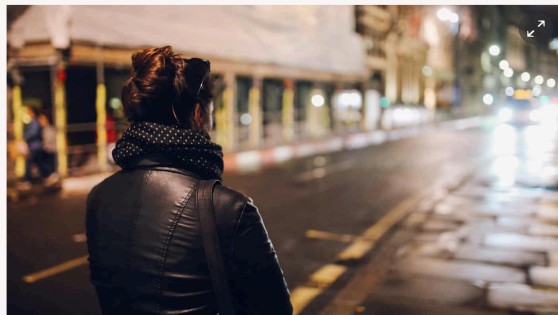
Katy Guest

There was uproar when women discussed an imaginary 9pm curfew on men, but the anger is misdirected

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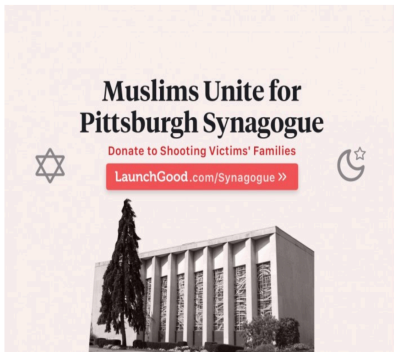


▲ 'If women found themselves in charge of the world, they would ... walk places, sometimes, without feeling scared.' Photograph: lechatnoir/Getty Images/iStockphoto

Muslims are peaceful.

Muslims Unite for Pittsburgh Synagogue

Support Shooting Victims with Short-Term Needs (Funeral Expenses, Medical Bills, Etc)



Pittsburgh, PA Causes

\$112,285

funded of \$125,000 goal



2572

supporters

8

days left

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4:45 PM.

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Africa

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The Guardian

Donald Trump

Jamie Grierson

@JamieGrierson

Sat 21 Oct 2017 00:40 AEDT

f

t

e

7,534

This article is over 1 year old

Trump links UK crime rise to 'spread of Islamic terror'


In latest Twitter outburst US president makes terrorism link even though annual figures cover all police-recorded offences



▲ Donald Trump: 'United Kingdom crime rises 13% annually amid spread of Radical Islamic terror. Not good.' Photograph: Getty

Donald Trump has erroneously linked a rise in recorded crime in England and Wales to the "spread of radical Islamic terror" in his latest outburst on Twitter.


most viewed in Australia



Live Lion Air crash: officials say 189 onboard lost flight JT610 - as it happened



The looming collapse of the housing market: bring it on! *First Dog on the Moon*



Indonesia plane crash: flight JT610 plunges into waters off Jakarta



Inequality 'not rising', says Liberal minister confronted by Newstart recipients



Geoffrey Rush accuser did not mention 'anything sexual' to cast member, court told



These are public claims

We *argue* about claims like these.

These are public claims

We *argue* about claims like these.

A lot.



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NotAllMen

From Wikipedia, the free encyclopedia

*The correct title of this article is **#NotAllMen**. The substitution or omission of the **#** is due to technical restrictions.*

#NotAllMen is a popular [Internet meme](#).^{[1][2]} It is a shortened [hashtag](#) version of the phrase **not all men are like that**,^[3] sometimes abbreviated **NAMALT**.

A [Time magazine](#) article on the subject states that "Not all men" was previously stated as an object of frustration, but in early 2014 it became usually used as an object of mockery. Intended to counter [generalizations](#) about men's behavior, the phrase has been criticized for deflecting conversations from uncomfortable topics, such as [sexual assault](#).^{[4][5]}

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But it's hard to see
what generics *say*.



Birds lay eggs

Birds lay eggs

All birds lay eggs?

Birds lay eggs

All birds lay eggs? — No. Male birds don't.

Birds lay eggs

All birds lay eggs? — No. Male birds don't.

Most birds lay eggs?

Birds lay eggs

All birds lay eggs? — No. Male birds don't.

Most birds lay eggs? — No. Many die before they they lay.



Mosquitos carry Ross River Fever

Mosquitos carry Ross River Fever

Only a *tiny fraction* of mosquitos
around the world carry RRF.

The *logic* of generics is just *weird*

The *logic* of generics is just *weird*

Birds lay eggs.

Birds lay eggs. — *True*

The *logic* of generics is just *weird*

Birds lay eggs. — *True*

Birds are female.

The *logic* of generics is just *weird*

Birds lay eggs. — *True*

Birds are female. — ???

The *logic* of generics is just *weird*

Birds lay eggs. — *True*

Birds are female. — ???

But *more* birds are female than lay eggs!

This is a puzzle

This is a puzzle

Generics are *pervasive*.

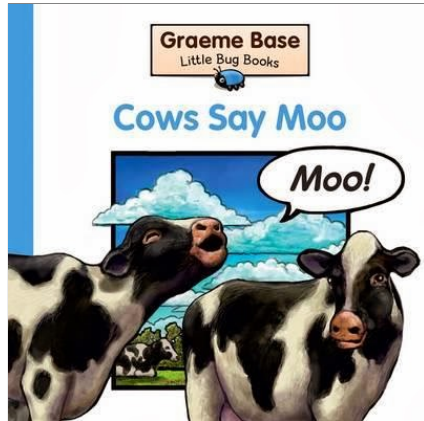
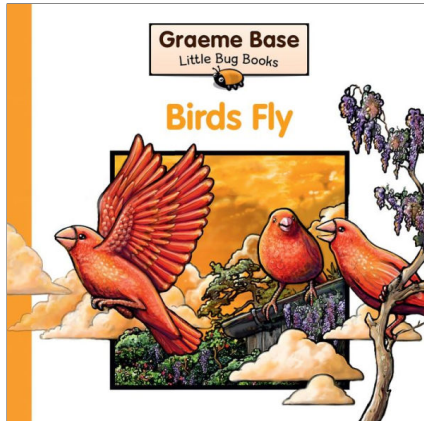
Generics are *pervasive*.

But it's difficult to
grasp how they work.

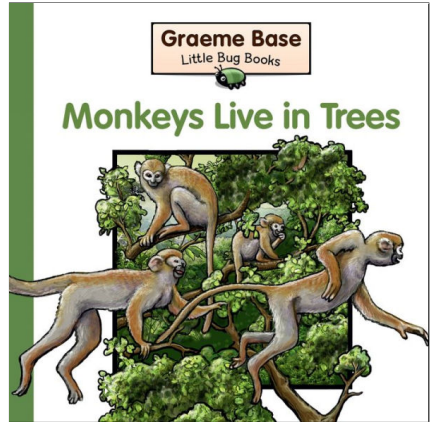
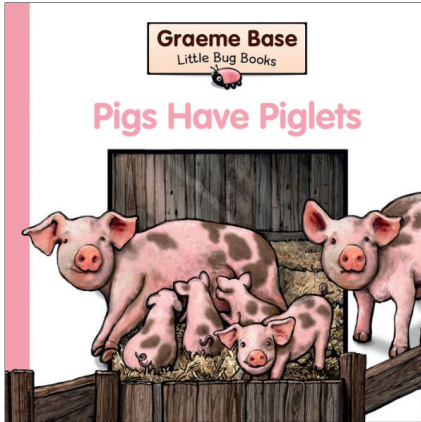
We acquire generics from an early age.

We learn with them

We learn with them



We learn with them



So how *do* they work?

So how *do* they work?

Can we shed any light
on the *arguments*
we have about generics?

INFERENCE

Inferring is an action

Inferring is an action

Consider the difference:

Inferring is an action

Consider the difference:

Tweety is a bird. Tweety flies.

Inferring is an action

Consider the difference:

Tweety is a bird. Tweety flies.

Tweety is a bird. *So*, Tweety flies.

Inferring is an action

Consider the difference:

Tweety is a bird. Tweety flies.

Tweety is a bird. *So*, Tweety flies.

There is a difference between making two assertions,
and making one assertion to *give a reason* for another.

Reason giving appears in question answering

Tweety is a bird. So, Tweety flies.

Tweety is a bird. So, Tweety flies.

ABELARD: Does Tweety fly?

ELOISE: Yes, she's a bird.

Reason giving can go in *both directions*

ABELARD: Does she have stripes?

ELOISE: Yes, she's a zebra.

Reason giving can go in *both directions*

ABELARD: Does she have stripes?

ELOISE: Yes, she's a zebra.

ABELARD: Is she a zebra?

ELOISE: Yes, she has stripes.

Reason giving can go in *both directions*

ABELARD: Does she have stripes?

ELOISE: Yes, she's a zebra.

ABELARD: Is she a zebra?

ELOISE: Yes, she has stripes.

Each direction can make sense,
given an appropriate context.

So can *explanation*

ELOISE: She has stripes.

ABELARD: Why?

ELOISE: She's a zebra.

So can *explanation*

ELOISE: She has stripes.

ABELARD: Why?

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ELOISE: She's a zebra.

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So can *explanation*

ELOISE: She has stripes.

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given an appropriate context.

What is inference?

Reason giving is *defeasible*, or *non-monotonic*:

Tweety is a bird. So, Tweety flies.

What is inference?

Reason giving is *defeasible*, or *non-monotonic*:

Tweety is a bird. So, Tweety flies.

Tweety is a bird. *Tweety is a penguin*. So, ~~Tweety flies~~.

Claim: *Generics make inferences explicit*

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Tweety is a bird. So, Tweety flies.

— **Birds fly.**

Claim: *Generics make inferences explicit*

Tweety is a bird. So, Tweety flies.

— **Birds fly.**

She's a zebra. So, she has stripes.

Claim: *Generics make inferences explicit*

Tweety is a bird. So, Tweety flies.

— **Birds fly.**

She's a zebra. So, she has stripes.

— **Zebras have stripes.**

Claim: *Generics make inferences explicit*

Tweety is a bird. So, Tweety flies.

— **Birds fly.**

She's a zebra. So, she has stripes.

— **Zebras have stripes.**

She has stripes. So, she's a zebra.

Claim: *Generics make inferences explicit*

Tweety is a bird. So, Tweety flies.

— **Birds fly.**

She's a zebra. So, she has stripes.

— **Zebras have stripes.**

She has stripes. So, she's a zebra.

— **Striped things are zebras.**

Claim: *Generics make inferences explicit*

Tweety is a bird. So, Tweety flies.

— **Birds fly.**

She's a zebra. So, she has stripes.

— **Zebras have stripes.**

She has stripes. So, she's a zebra.

— **Striped things are zebras.**

— **Striped horses are zebras.**

I can *make explicit* my preparedness to infer that something is a G from the fact that it's an F (or to *explain* being G by way of being F) by saying

Fs are Gs.

This explains many of the distinctive features of generics

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- ▶ *Exceptions: **Birds fly.** (Yes! Despite penguins.)*

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 - ▶ **Tweety is a bird** is a good reason for **Tweety flies**, even if this does not apply to all birds.

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- ▶ *Weird logic of generics: **Birds lay eggs.*** (Yes!) **Birds are female.** (No!)

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Is Tweety female? Yes, **Tweety is a bird.** (????)

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 - ▶ **Does Tweety lay eggs?** Yes, **Tweety is a bird.** (Good!)
Is Tweety female? Yes, **Tweety is a bird.** (???)
Or, **Tweety lays eggs** since **Tweety is a bird.** (Good!)
Tweety is female since **Tweety is a bird.** (???)

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- ▶ *Low rate generics with striking properties: **Mosquitos transmit RRF.***
 - ▶ We are happy to explain **This transmits RRF** by granting **this is a mosquito.**

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Tweety is female since **Tweety is a bird.** (???)
- ▶ *Low rate generics with striking properties: Mosquitos transmit RRF.*
 - ▶ We are happy to explain **This transmits RRF** by granting **this is a mosquito.** (*Remember this:* it will come up again.)

Inference and explanation
are *very* basic practices.

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are *very* basic practices.

(How often do kids ask “*why*”?)

Inference and explanation
are *very* basic practices.

(How often do kids ask “*why*”?)

So it's not surprising that generics
are *everywhere* in our thought and talk.

Inference and explanation
are *very* basic practices.

(How often do kids ask “*why*”?)

So it's not surprising that generics
are *everywhere* in our thought and talk.

The inferences associated with
a concept form part of its *schema*.

DISAGREEMENT



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NotAllMen

From Wikipedia, the free encyclopedia

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Not all Men!

ELOISE Men are violent.

Not all Men!

ELOISE Men are violent.

ABELARD No, not *all* men.

Not all Men!

ELOISE Men are violent.

ABELARD No, not *all* men.

ELOISE ???

Not all Men!

ELOISE Men are violent.

ABELARD No, not *all* men.

ELOISE ???

ABELARD *Actually*, the majority of men are non-violent.

Not all Men!

ELOISE Men are violent.

ABELARD No, not *all* men.

ELOISE ???

ABELARD *Actually*, the majority of men are non-violent.

ELOISE ???

Not all Muslims!

ELOISE Muslims are terrorists.

Not all Muslims!

ELOISE Muslims are terrorists.

ABELARD No, not *all* Muslims.

Not all Muslims!

ELOISE Muslims are terrorists.

ABELARD No, not *all* Muslims.

ELOISE ???

Not all Muslims!

ELOISE Muslims are terrorists.

ABELARD No, not *all* Muslims.

ELOISE ???

ABELARD *Actually*, the vast majority of Muslims are peaceful.

Not all Muslims!

ELOISE Muslims are terrorists.

ABELARD No, not *all* Muslims.

ELOISE ???

ABELARD *Actually*, the vast majority of Muslims are peaceful.

ELOISE ???

Not all Sharks!

ELOISE Sharks are dangerous.

Not all Sharks!

ELOISE Sharks are dangerous.

ABELARD No, not *all* sharks.

Not all Sharks!

ELOISE Sharks are dangerous.

ABELARD No, not *all* sharks.

ELOISE ???

Not all Sharks!

ELOISE Sharks are dangerous.

ABELARD No, not *all* sharks.

ELOISE ???

ABELARD *Actually*, the vast majority of sharks are harmless.

Not all Sharks!

ELOISE Sharks are dangerous.

ABELARD No, not *all* sharks.

ELOISE ???

ABELARD *Actually*, the vast majority of sharks are harmless.

ELOISE ???

Not all Mosquitos!

ELOISE Mosquitos carry Ross River Fever.

Not all Mosquitos!

ELOISE Mosquitos carry Ross River Fever.

ABELARD No, not *all* mosquitos.

Not all Mosquitos!

ELOISE Mosquitos carry Ross River Fever.

ABELARD No, not *all* mosquitos.

ELOISE ???

Not all Birds!

ELOISE Birds fly.

Not all Birds!

ELOISE Birds fly.

ABELARD No, not *all* birds.

Not all Birds!

ELOISE Birds fly.

ABELARD No, not *all* birds.

ELOISE ???

What can we do about
these disagreements?

Option 1

Don't use generics!

Don't use generics!

Use explicit quantifiers,
like *all*, *some*,
at least 20%, etc . . .

Good luck with that!

Use generics,
while being aware
of what they are,
and what they aren't.

Remember: Generics make inference explicit

If I say that *birds fly*,

If I say that *birds fly*,
I am shaping my *expectations*,
and my *explanations*,

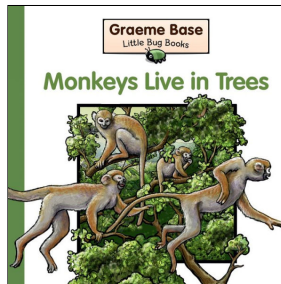
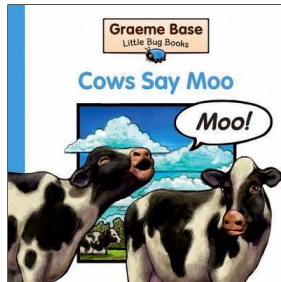
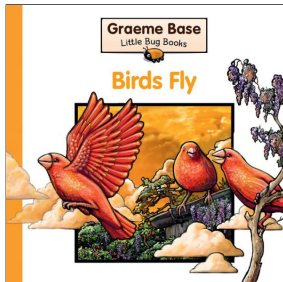
If I say that *birds fly*,
I am shaping my *expectations*,
and my *explanations*,
and I'm putting it out there
to shape yours, too.

Inference
(offering a *reason*),
is a *social practice*,
like all speech acts.

It doesn't all come from your head

The *words, concepts, and schemas*,
you use are *learned*,
both *explicitly* and *implicitly*.

Explicit learning



We often simply *absorb*
(or *accommodate*)
what's taken to count
as an explanation
or as an answer to a question.

If I say *Tweety's a bird*, so *Tweety flies*.

If I say *Tweety's a bird*, so *Tweety flies*.

It's *one* thing to agree or disagree
with the two claims I made.

If I say *Tweety's a bird*, so *Tweety flies*.

It's *one* thing to agree or disagree
with the two claims I made.

It's another thing to agree
or disagree with the **so**.

Expectations
and explanations
are highly *local*.



Opinion Rape and sexual assault

Imagine if men were afraid to walk home alone at night

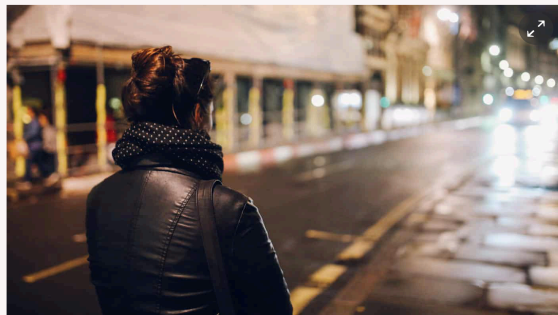
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There was uproar when women discussed an imaginary 9pm curfew on men, but the anger is misdirected

Mon 8 Oct 2018 20:26 AEDT



13,580



▲ 'If women found themselves in charge of the world, they would ... walk places, sometimes, without feeling scared.' Photograph: lechatnoir/Getty Images/iStockphoto

Q: How did you get injured?

Contexts for explanation

Q: How did you get injured?

A: I was in the park at night.
A man attacked me.

Contexts for explanation

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Contexts for explanation

Q: How did you get injured?

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Q: How did you get Ross River Fever?

Contexts for explanation

Q: How did you get injured?

A: I was in the park at night.
A man attacked me.

Men are dangerous.

Q: How did you get Ross River Fever?

A: My bed netting wasn't secure.
I was bitten by mosquitos overnight.

Contexts for explanation

Q: How did you get injured?

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Men are dangerous.

Q: How did you get Ross River Fever?

A: My bed netting wasn't secure.
I was bitten by mosquitos overnight.

Mosquitos carry Ross River Fever.

Q: How did you get injured?

Contexts for explanation

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A: I was in the park at night.

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A: My bed netting wasn't secure. I was in FNQ,
and I was bitten by a mosquito of genus *Culex* overnight.

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Desperate people in need are dangerous.

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Mosquitos of genus Culex, in FNQ, carry Ross River Fever.

Available Descriptions

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- ▶ *Muslim, or person prone to violent responses to tension, radicalised by an ideology, or . . . ?*

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we'd probably not say “*mosquitos carry RRF.*”

Instead, we'd say “***pink*** *mosquitos carry RRF.*”

Importance

We *really* want explanations for things
we want to *avoid* or *control*.

Violence, terrorism, disease, and so on.

Which Generics Make Sense? . . . and to whom?

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 - It makes a difference to treat men as dangerous.
 - It makes a difference to *me* to know that (many) women experience men as dangerous.
 - It makes a difference to *Muslims* to be stereotyped as terrorists.

Shifting people's generic judgements
involves shifting their practices of
explanation and *expectation*.

TRUTH

Can generics be *true*?

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Well, it's *true* that men are dangerous
if (and only if) men *are* dangerous.

Can generics be *objectively* true?

Can generics be *objectively* true?

It's true that I am standing
if (and only if) I am standing.

Disagreement?

ELOISE I am standing.

ABELARD I am not standing.

Disagreement?

ELOISE I am standing.

ABELARD I am not standing.

ELOISE Men are dangerous.

ABELARD Men are not dangerous.

Disagreement?

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ELOISE Men are dangerous.

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ELOISE *Homer Hudson Chocolate Rock Icecream* is delicious.

ABELARD *Homer Hudson Chocolate Rock Icecream* is not delicious.

What disagreement means

We can *disagree* with generics, because our practice of *inferring* and *explaining* is social.

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and not just for *me*.

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If I offer something up as a reason,
I'm offering it as a reason for *you*
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We're in this practice of interpreting and understanding the world *together*.

From here . . .

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But it gives us a place to *start*.

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To get *better* with our generics and stereotypes,
we all have to learn how to *explain* and to *understand*,
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Not just to those like us, but
also those very different from us.

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That is not merely a *theoretical* goal.

... to where?

... to where?

What would the world be like,
for that to be *possible*?

... to where?

What would the world be like,
for that to be *possible*?

And what can we do
to help it along the way?

THANK YOU!

Thank you!

SLIDES: <http://consequently.org/presentation/2018/truth-and-stereotypes/>

FEEDBACK: @consequently on *Twitter*,
or *email* at restall@unimelb.edu.au