

Truth & Stereotypes

Greg Restall



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Philosophy lecture

Philosophy
lectures are
interesting.

My Plan

Stereotypes

Generics

Inference

Disagreement

Truth

STEREOTYPES

Philosophy lecture



Example Stereotypes

Bird





Example Stereotypes

Man

Example Stereotypes

Muslim

Acquiring Concepts

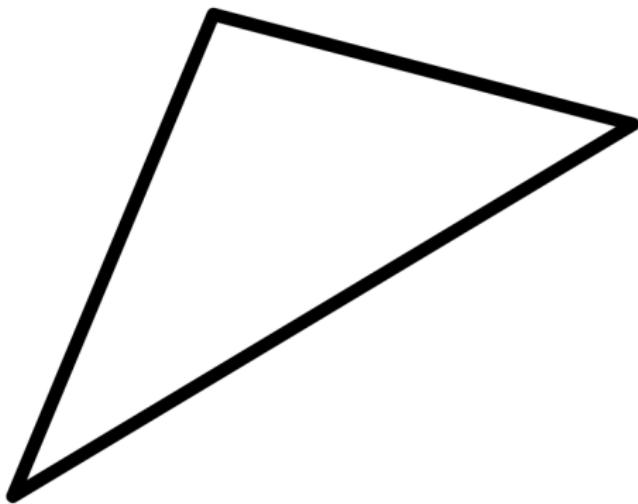
1. By *definition*

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*.

Stereotypes can be *helpful*

Definitions are *hard*.

Examples are *specific*.

Stereotypes can be *helpful*

Definitions are *hard*.

Examples are *specific*.

They can *respond* to experience.

Stereotypes can be *helpful*

Definitions are *hard*.

Examples are *specific*.

They can *respond* to experience.

They encode *expectations*.

Stereotypes can be *unhelpful*

Stereotypes can be *unhelpful*

Expectations don't always match reality.

Stereotypes can be *unhelpful*

Expectations don't always match reality.

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

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*.

One aspect of these social schemas is ...

... in our use of *language*.

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

GENERICs

Generics

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
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- ▶ All F_s are G_s
- ▶ Most F_s are G_s
- ▶ Some F_s are G_s
- ▶ The F_s I've seen are G_s
- ▶ F_s are usually G_s

Fs are Gs

Example Generics

Philosophy lectures are interesting.

Example Generics

Birds fly.





Example Generics

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

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

Example Generics

Muslims are peaceful.



I



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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

SUPPORT



PARTIAL FUNDING

This campaign will collect all funds raised by Nov 7, 2018
4:45 PM.



Muslims Unite for Pittsburgh Synagogue

Donate to Shooting Victims' Families

[LaunchGood.com/Synagogue >>](https://LaunchGood.com/Synagogue)



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Muslims Unite to Help Pittsburgh Synagogue



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Donald Trump

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

Jamie Grierson
@JamieGrierson
Sat 21 Oct 2017 00.40 AEDT

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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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- 1 Origin
- 2 2014 Isla Vista killings
- 3 Bengaluru incident
- 4 Usage
- 5 See also
- 6 Notes
- 7 References
- 8 External links

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 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.

The *logic* of generics is just *weird*

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*.

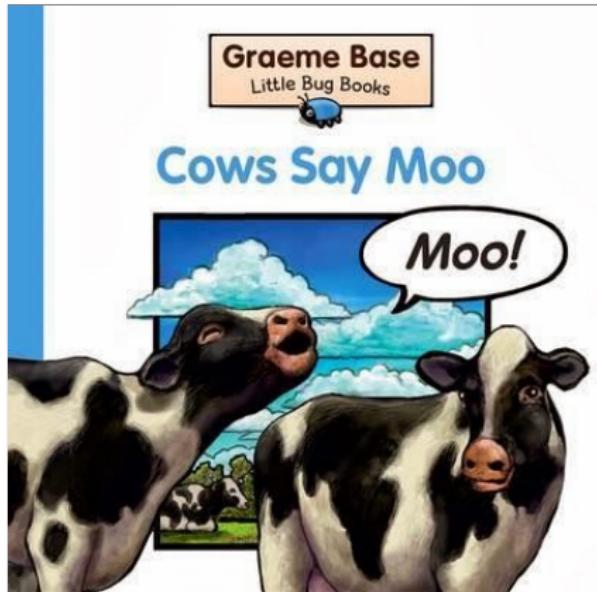
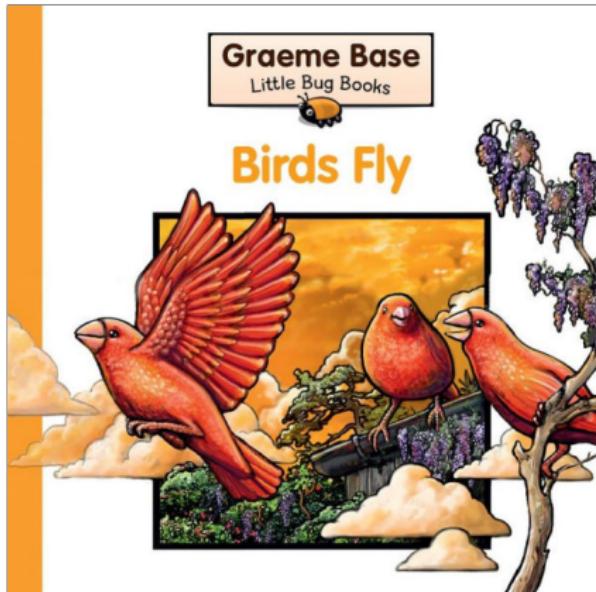
Generics are *pervasive*.

But it's difficult to
grasp how they work.

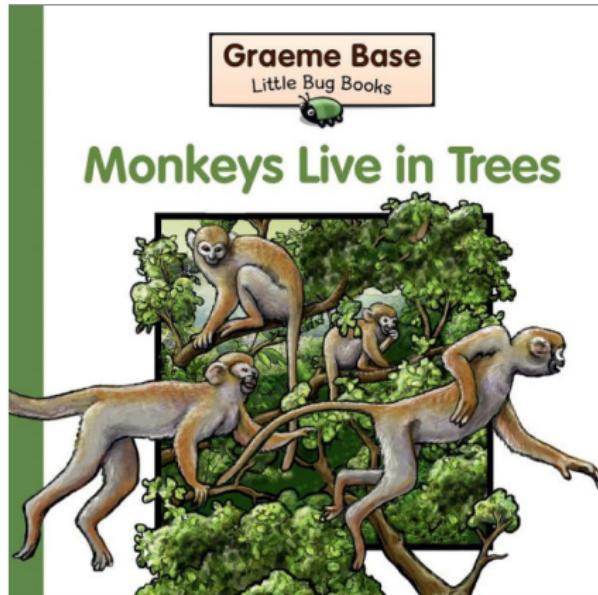
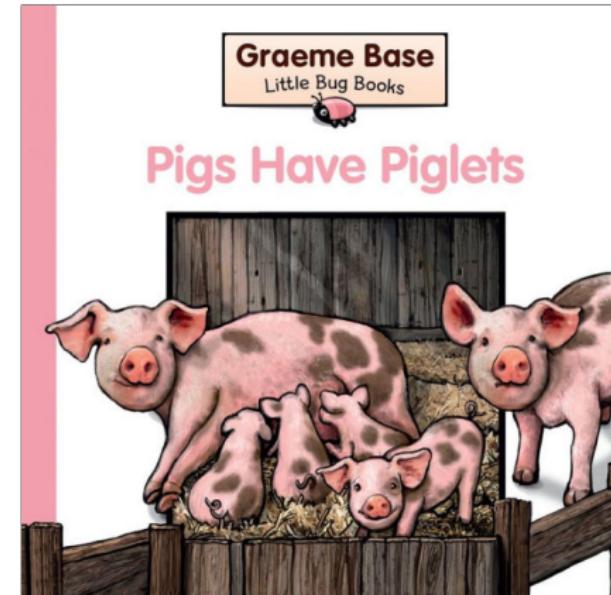
We acquire generics from an early age.

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

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?

ELOISE: She's a zebra.

ELOISE: She's a zebra.

ABELARD: Why?

ELOISE: She has stripes.

So can explanation

ELOISE: She has stripes.

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ELOISE: She's a zebra.

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Each direction can make sense,
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.**

Making inference explicit

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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- ▶ *Exceptions: Birds fly.* (Yes! Despite penguins.)
 - ▶ **Tweety is a bird** is a good reason for **Tweety flies**, even if this does not apply to all birds.

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- ▶ *Exceptions: Birds fly.* (Yes! Despite penguins.)
 - ▶ **Tweety is a bird** is a good reason for **Tweety flies**, even if this does not apply to all birds.
- ▶ *Weird logic of generics: Birds lay eggs.* (Yes!) **Birds are female.** (No!)

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

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 - ▶ **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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 - ▶ **Or, Tweety lays eggs since Tweety is a bird.** (Good!)
 - ▶ **Tweety is female since Tweety is a bird.** (???)
- ▶ **Low rate generics with striking properties: Mosquitos transmit RRF.**

This explains many of the distinctive features of generics

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

This explains many of the distinctive features of generics

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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.** (*Remember this:* it will come up again.)

Inference and explanation
are *very* basic practices.

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(How often do kids ask “*why*”?)

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(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

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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- 3 Bengaluru incident
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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 . . .

Option 1

Good luck with that!

Option 2

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*,

Remember: Generics make inference explicit

If I say that *birds fly*,

I am shaping my *expectations*,
and my *explanations*,

Remember: Generics make inference explicit

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.

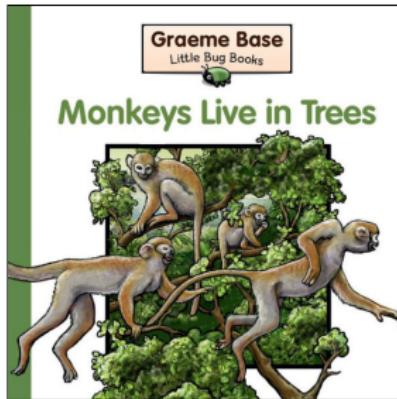
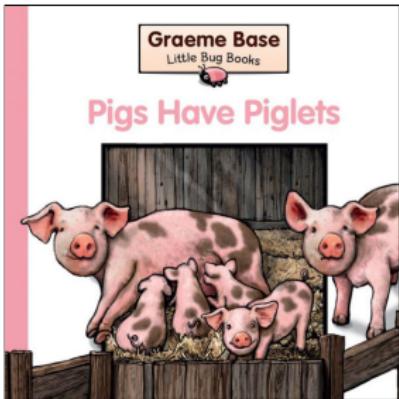
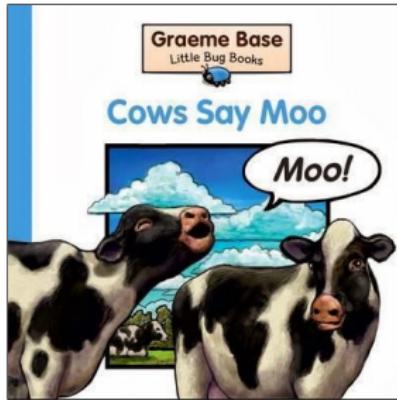
Inference, like *all* speech acts, takes a village

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.

Implicit learning

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

Katy Guest

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

Contexts for explanation

Q: How did you get injured?

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

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Men are dangerous.

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Q: How did you get Ross River Fever?

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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.

Contexts for explanation

Q: How did you get injured?

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A man attacked me.

Men are dangerous.

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Mosquitos carry Ross River Fever.

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Contexts for explanation

Q: How did you get injured?

A: I was in the park at night.

A desparate person, short on money tried to rob me.

Q: How did you get injured?

A: I was in the park at night.

A desperate person, short on money tried to rob me.

Desperate people in need are dangerous.

Q: How did you get injured?

A: I was in the park at night.

A desparate person, short on money tried to rob me.

Desperate people in need are dangerous.

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 desparate person, short on money tried to rob me.

Desperate people in need are dangerous.

Q: How did you get Ross River Fever?

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

Q: How did you get injured?

A: I was in the park at night.

A desparate person, short on money tried to rob me.

Desperate people in need are dangerous.

Q: How did you get Ross River Fever?

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

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

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

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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.

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 - 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?

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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?

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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

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If I offer something up as a reason,
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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,
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Not just to those like us, but
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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,
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