

Question:

How do our *group identities* influence our ability to ...

- acquire true beliefs?
- make wise decisions?
- think for ourselves?

core
critical
thinking
values







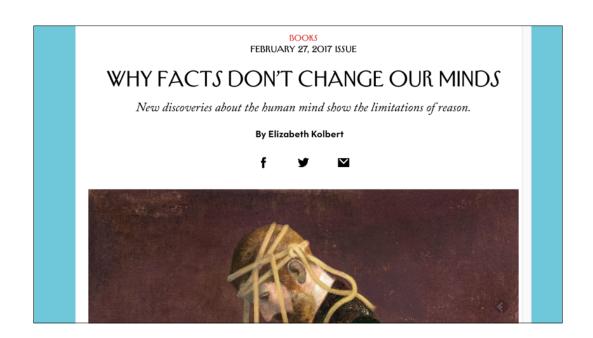


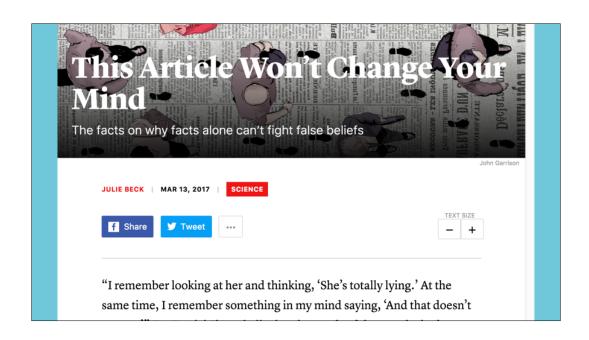
Francis Fukuyama surveys the West's new political terrain – and sees a wilderness of uprooted institutional landmarks.

Read – and keep – this and all of the 24 commentaries by world leaders and top thinkers featured in Fatal Attraction – The Year Ahead, 2017. Order here.

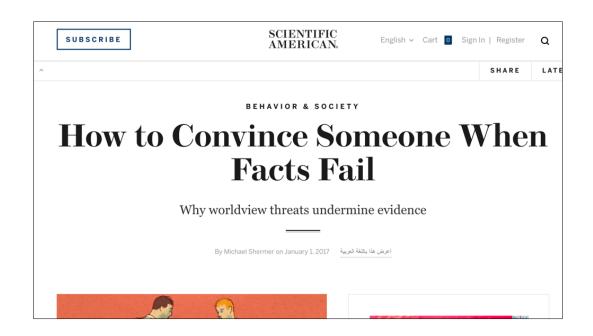
The Emergence of a Post-Fact World

One of the more striking developments of 2016 was the emergence of a "post-fact" world, in which virtually all authoritative information sources are challenged by contrary facts of dubious quality and provenance. In a world without gatekeepers, there is no reason to think that good information will win out over bad.









Op-Ed We're rarely rational when we vote because we're rarely rational, period



By Robert M. Sapolsky

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Christopher WittCommunication Matters

Public Speaking and Persuasion in a Post-Truth World

Christopher Witt - November 22, 2016 - 2 Comments



The US presidential campaign dragged on seemingly forever. And it was—even by political standards-ugly, dirty, and mean spirited. I'm glad

I wish I could draw some positive lessons about public speaking and persuasion from either of the



MAGAZINE

Advocacy

Persuasion in a "Post-Truth" World

To make progress on ideologically or politically sticky issues, social sector organizations must reshape their messaging to do more than cite facts; they must use smart storytelling and craft solutions that don't require those they want to reach to sacrifice their values.

SHARE

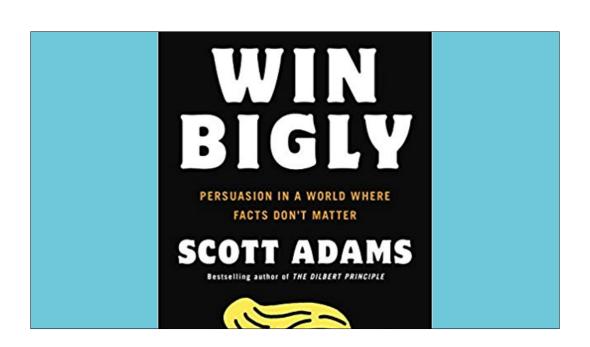
COMMENT

PRINT

ORDER REPRINTS

By Troy Campbell, Lauren Griffin, & Annie Neimand | Jan. 25, 2017

TA7









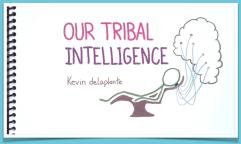
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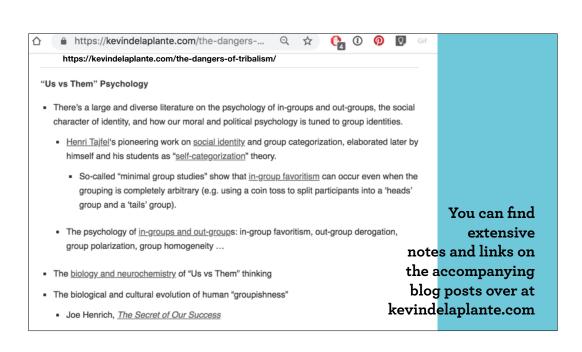


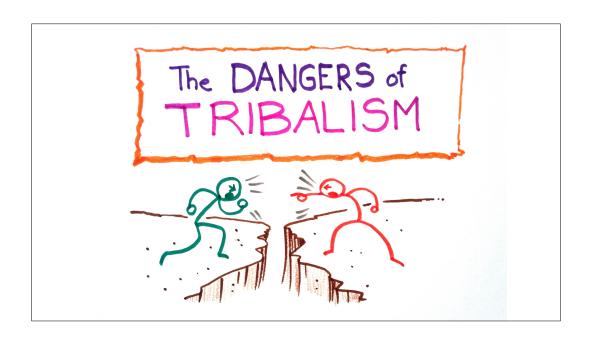


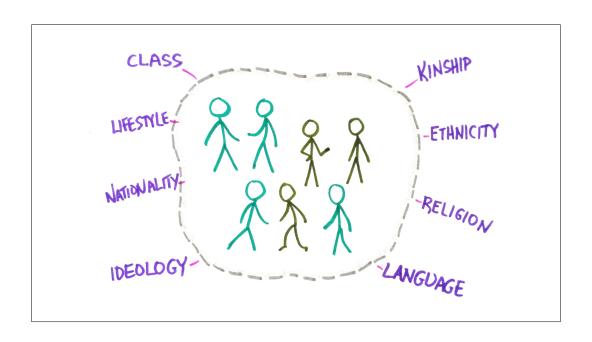
I started exploring these questions in a series of "sketchbook" videos

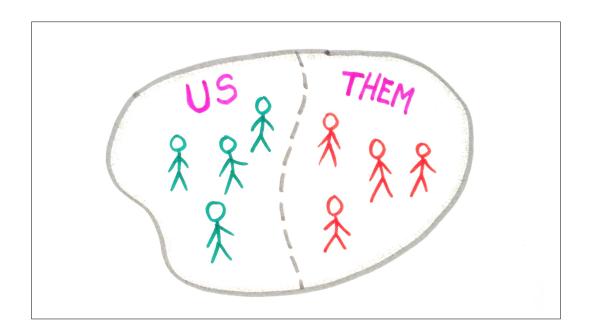


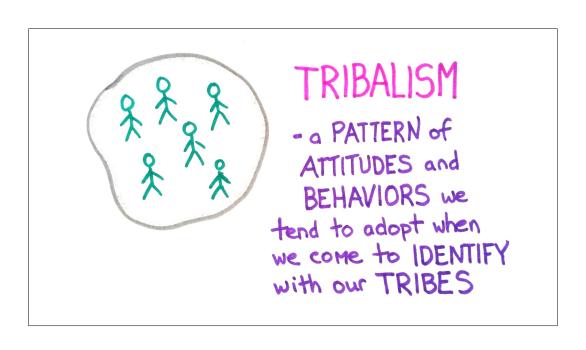


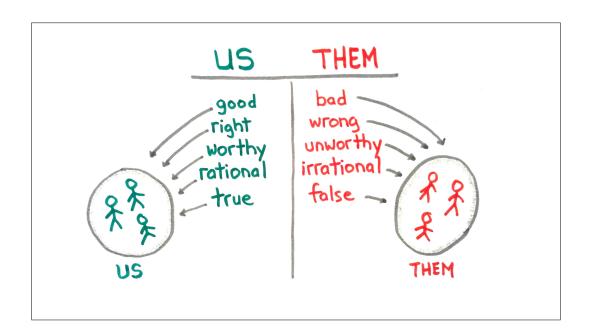












EPISTEMOLOGY:

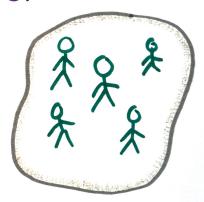
- study of the origins and nature of KNOWLEDGE
- "epistemological" "epistemic"

 ADJECTIVAL

 FORMS

Our tribal psychology is both

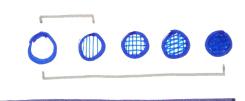
MORAL and EPISTEMIC



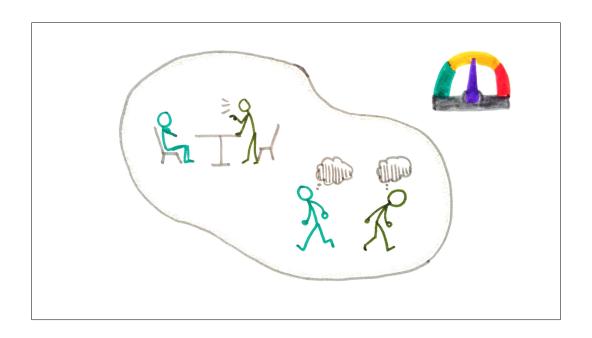
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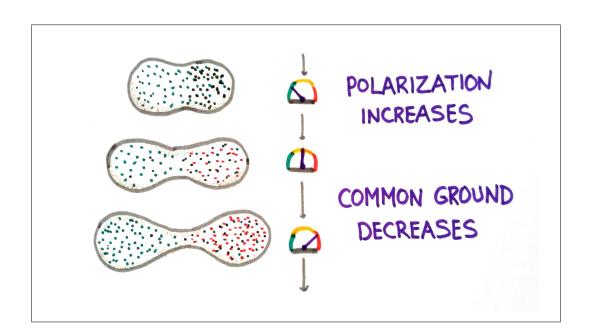
POLARIZATION

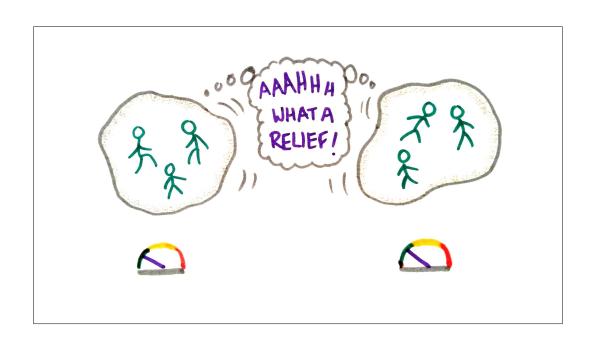
How LARGE/STRONG the (real or perceived) DIFFERENCES are

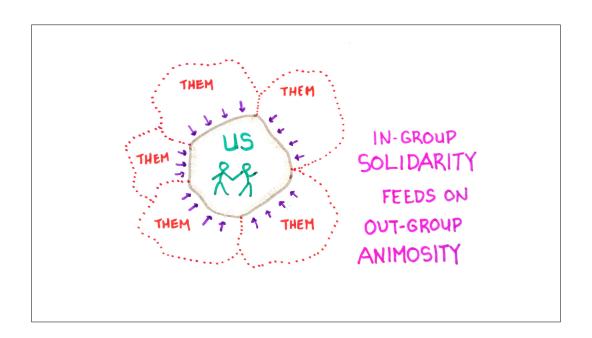




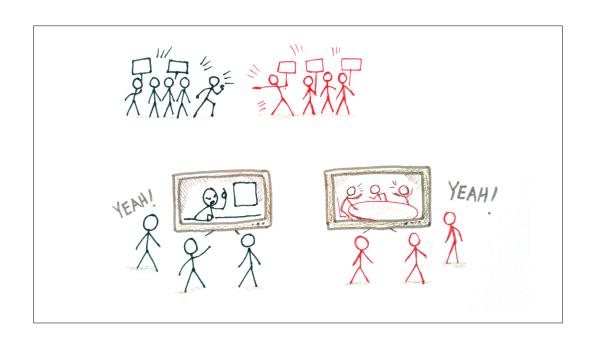


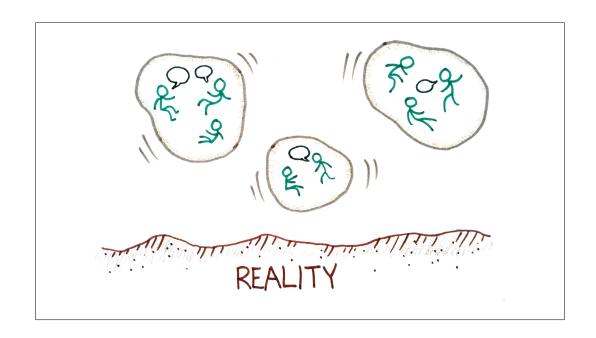


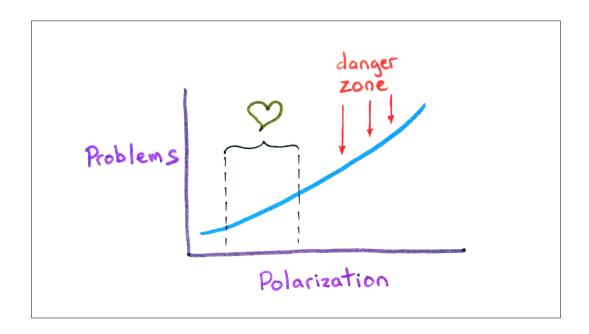


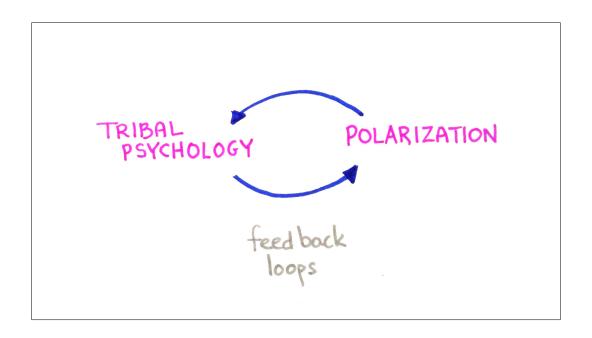


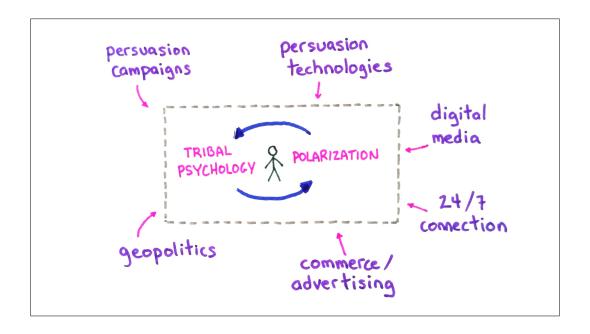












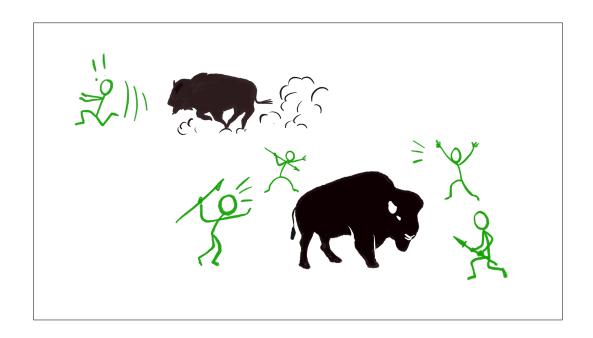
"Dangers of Tribalism": take-aways

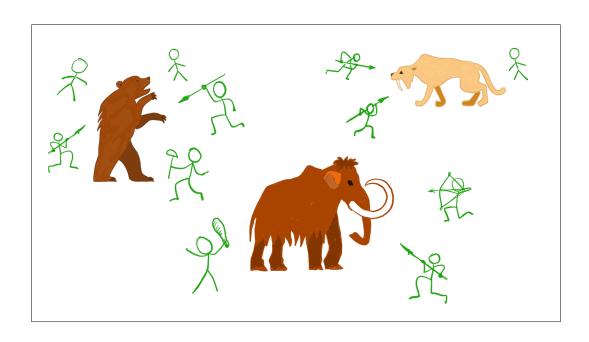
- tribal psychology is both a moral psychology and an epistemic psychology, and they are closely intertwined
- tribalism per se is not the real problem; tribalism in increasingly polarized environments is the real problem

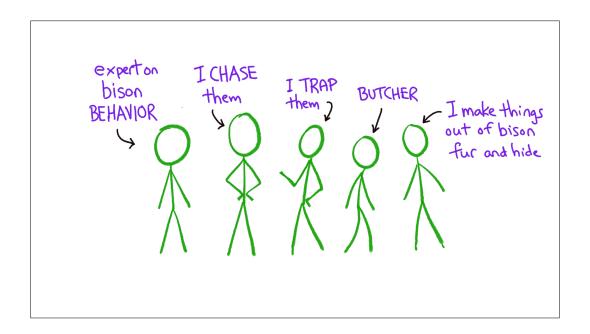
"Dangers of Tribalism": take-aways

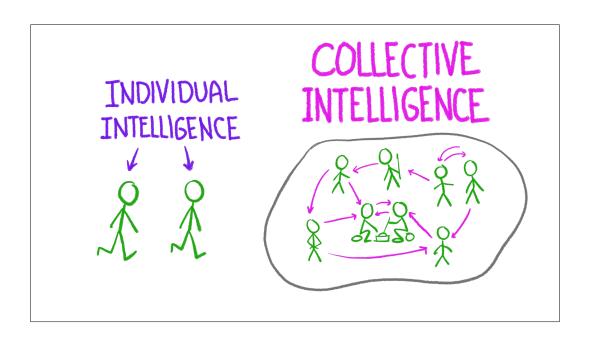
- from a diagnostic standpoint, our focus should be on exploring the factors that have lead to increased polarization
- this is a big project ... more complete explanations will be multi-level and multi-factorial

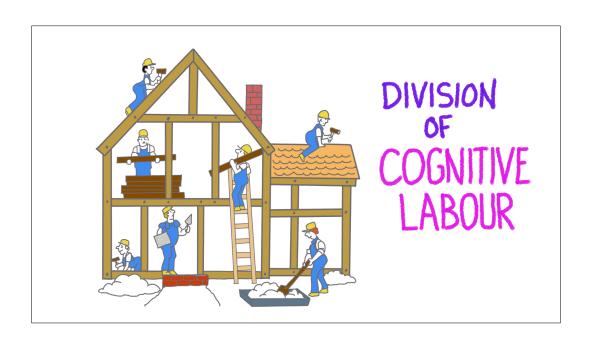


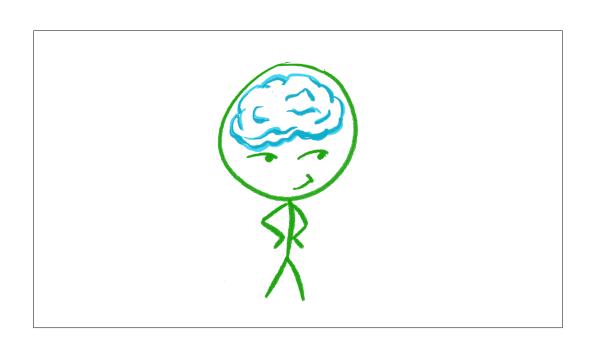


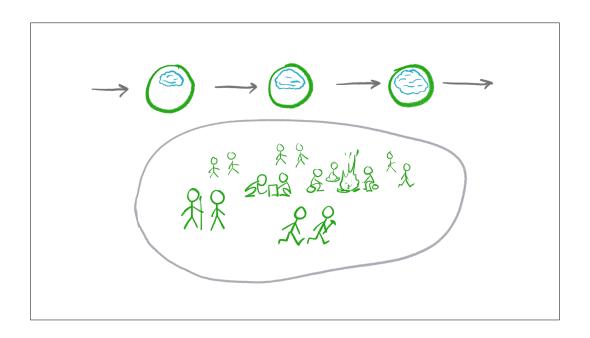


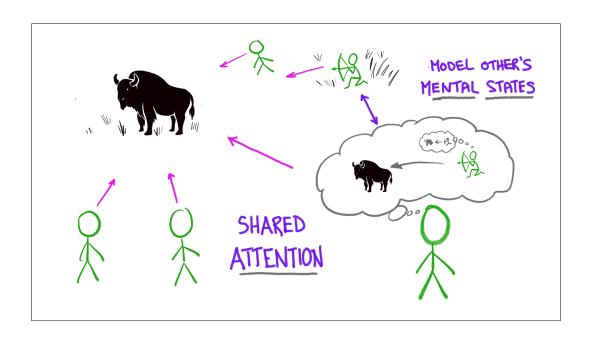


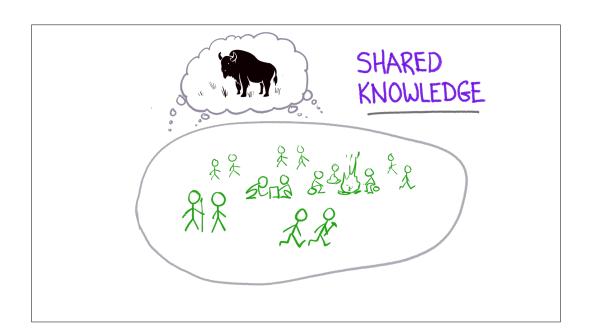


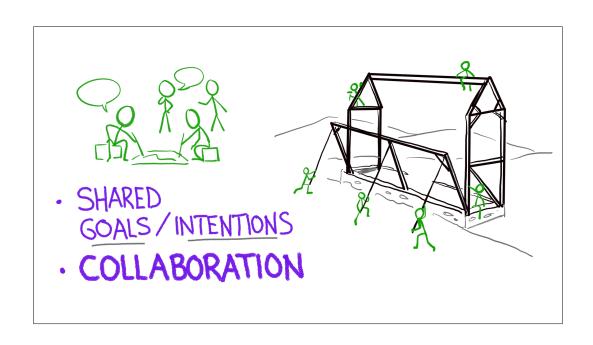


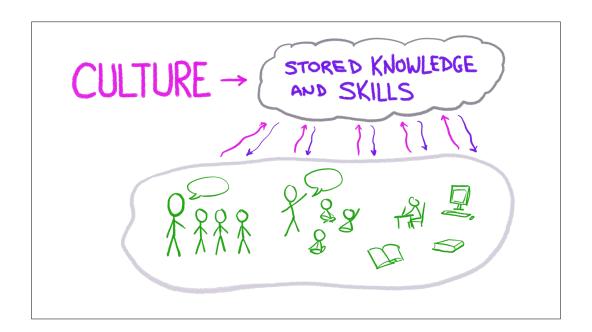


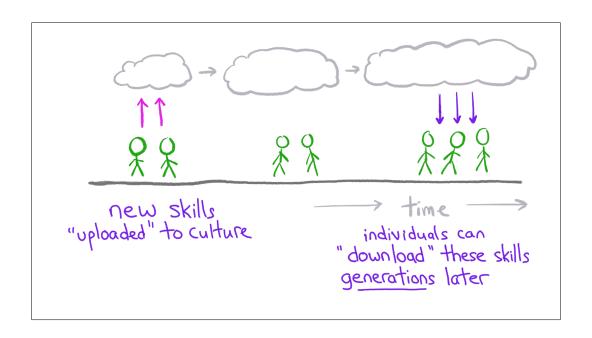


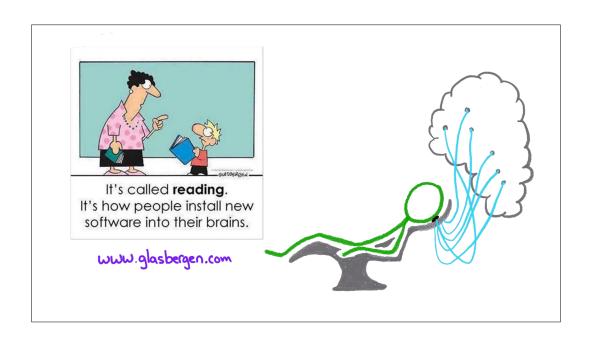


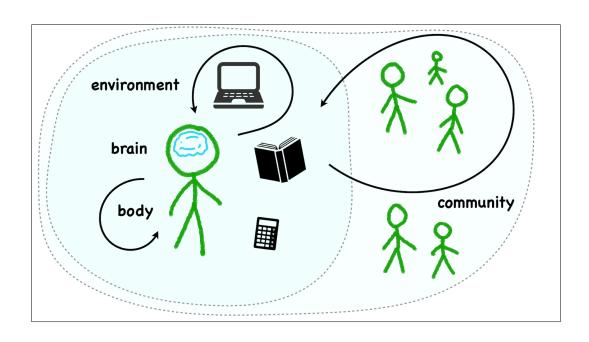


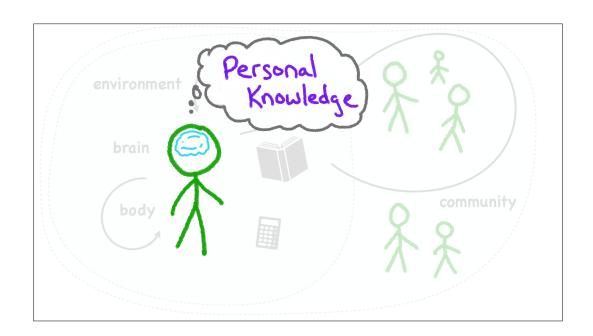








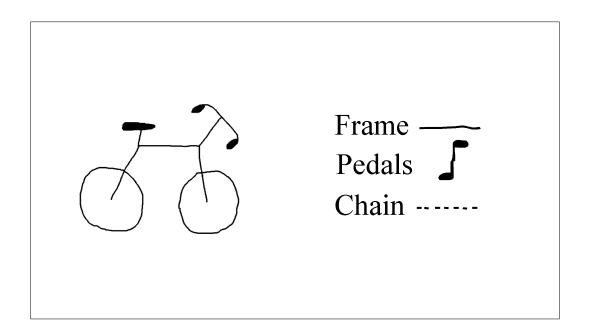


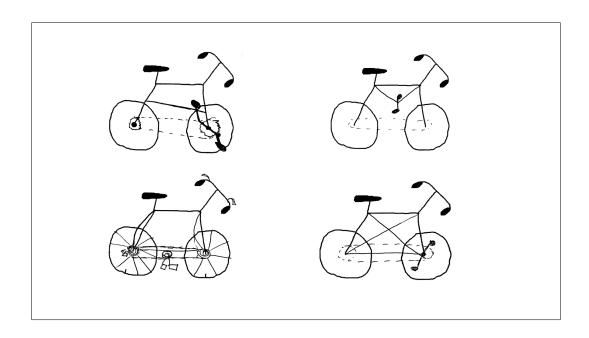


Do you know how a bicycle works?

1 2 3 4 5 6 7

On a scale of 1 to 7, how well do you understand how bicycles work?







IMPORTANT:

The point is **NOT** that we're **ignorant**.

The point is that we're MORE ignorant than we THINK we are.

THE "ILLUSION OF EXPLANATORY DEPTH"

ROZENBLIT L, KEIL F. The misunderstood limits of folk science: an illusion of explanatory depth. Cognitive Science. 2002 26(5) 521-562.

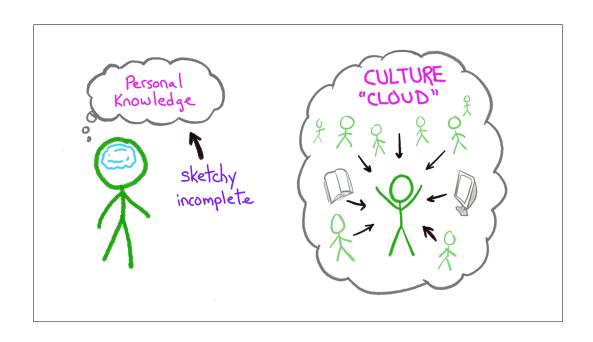
COMPOUND INTEREST

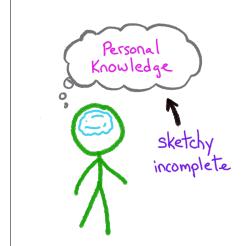
GMOS

STRUCTURE OF ATOMS

GREENHOUSE EFFECT

SIGNS & SYMPTOMS OF DEPRESSION

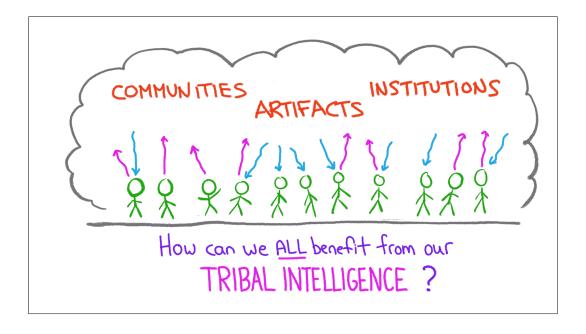




Unfortunately ...

many cognitive tasks really do require a certain depth of personal knowledge

- -> overconfidence
- → bad consequences



"Tribal Intelligence": take-aways

 human "ultrasociality", and our distinctively human intelligence, is a product of the co-evolution of human brains and human culture, within groups, to enable cooperation and collaboration

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"Tribal Intelligence": take-aways

• division of cognitive labor is central to human intelligence and problem-solving

"Tribal Intelligence": take-aways

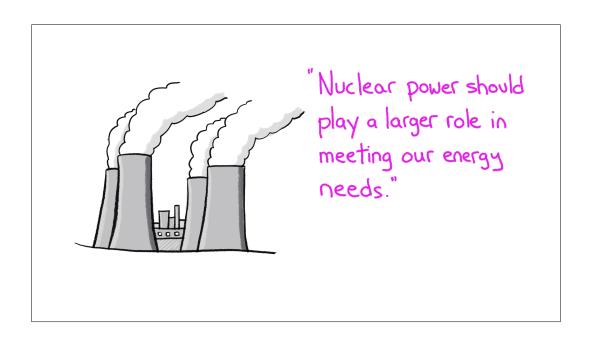
- we're prone to various OVERCONFIDENCE biases that cause us to overestimate the extent and depth of our personal knowledge
 - the "knowledge illusion" (or, the "illusion of explanatory depth")

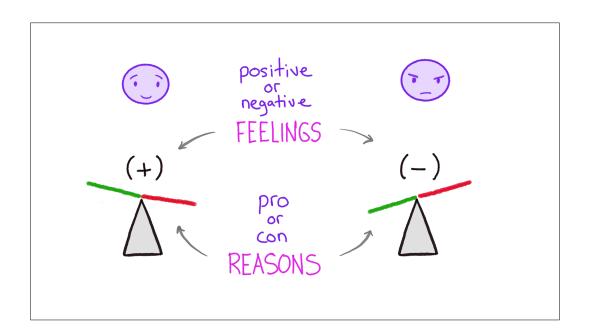
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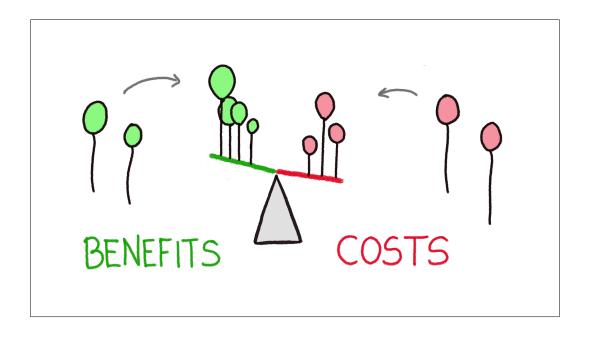
"Tribal Intelligence": take-aways

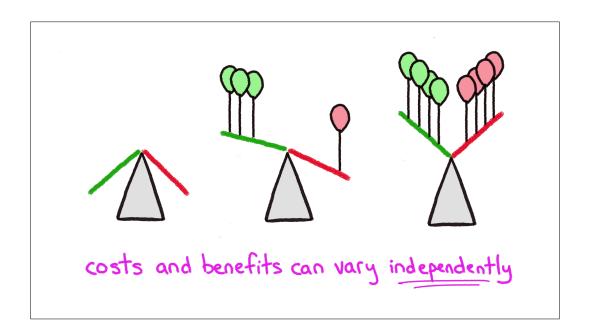
- ethics and critical thinking issue:
 - the knowledge stored in the "culture cloud" is an important epistemic resource, and (I would argue) a public good
 - if we care about critical thinking, we need to work to give more people greater access to this epistemic resource

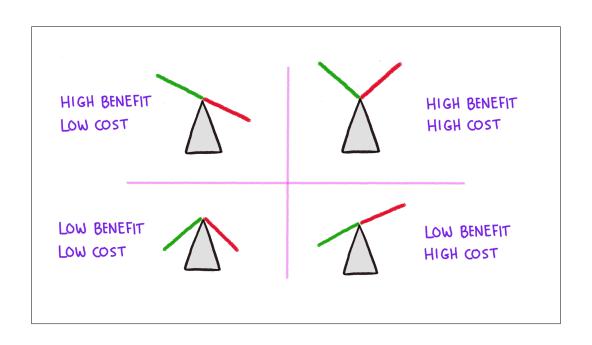


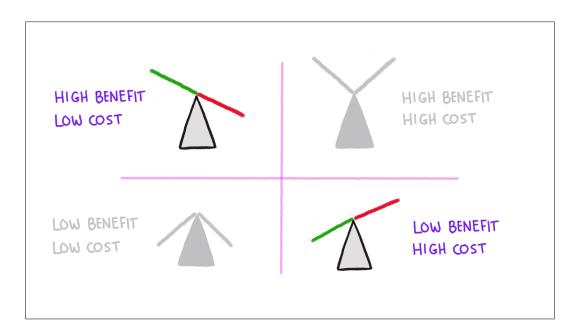


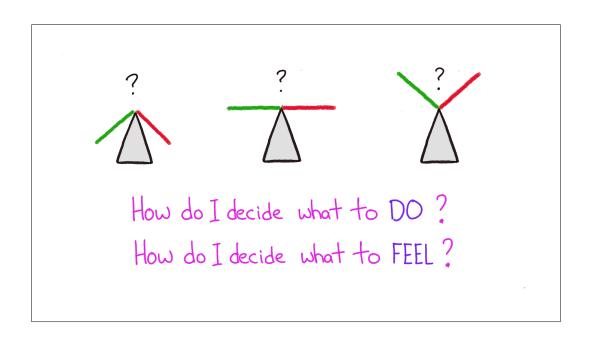


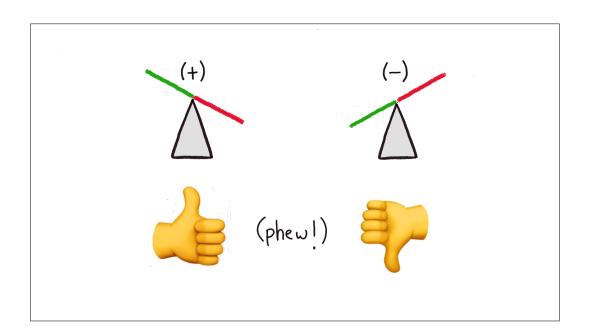






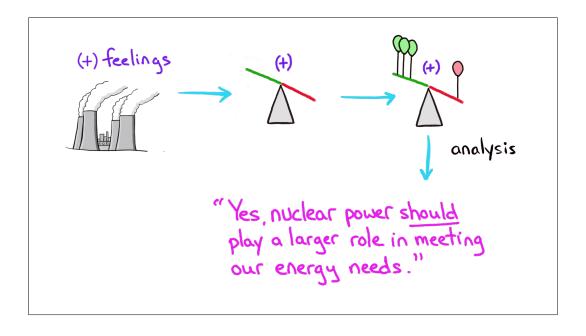


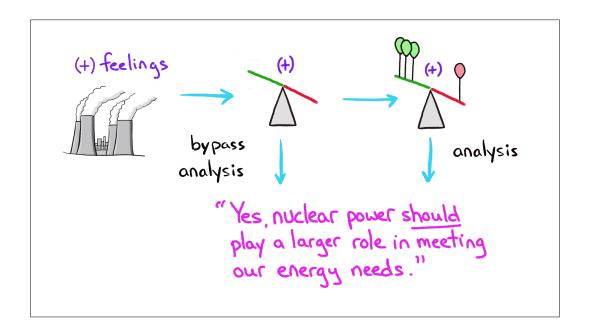












SUBSTITUTION

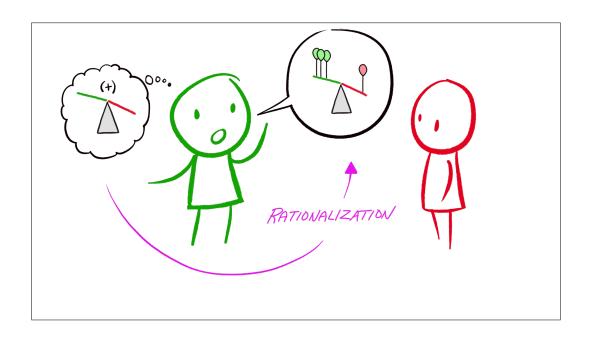


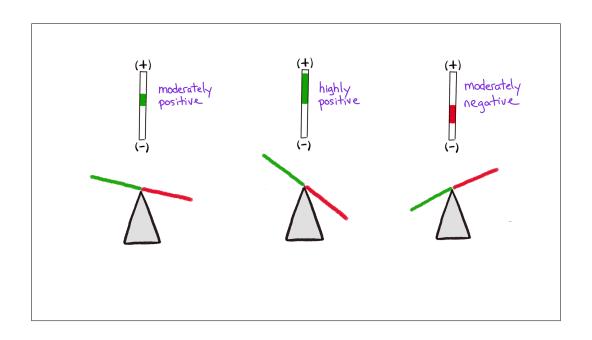
Hard Question:

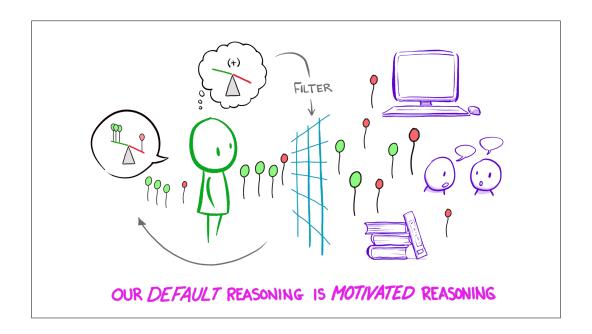
"Should nuclear power play a larger role in meeting our energy needs?"

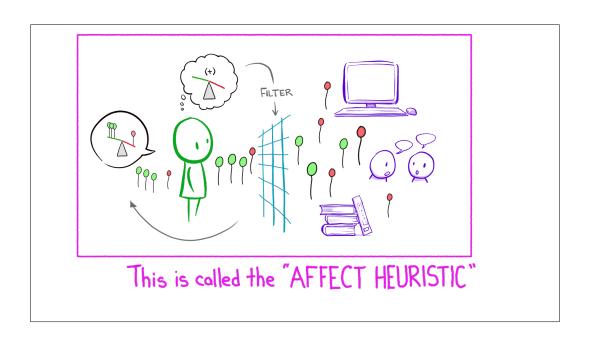
Easy Question:

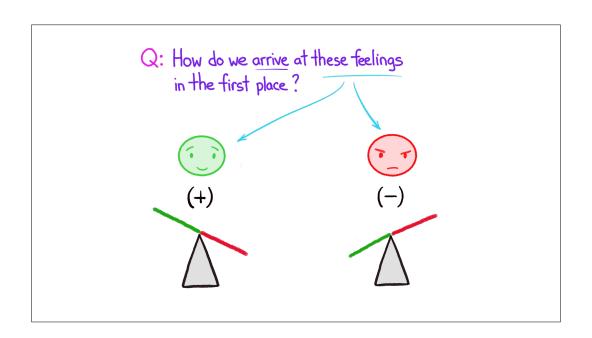
"What do I FEEL about nuclear power?"

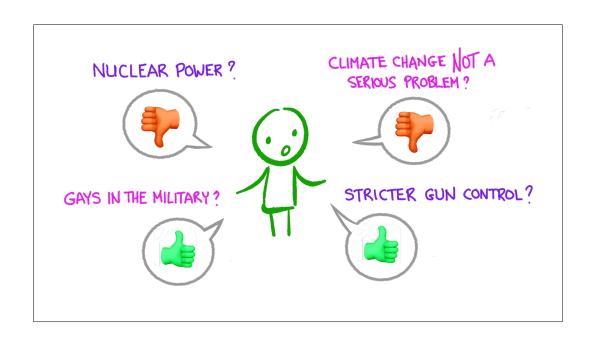












Where do these attitudes come from?

A: Our GROUP affiliations Our TRIBAL identities



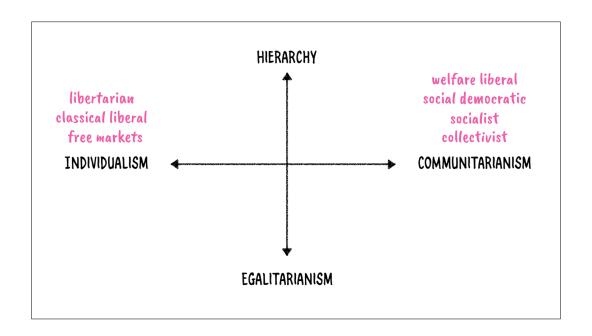
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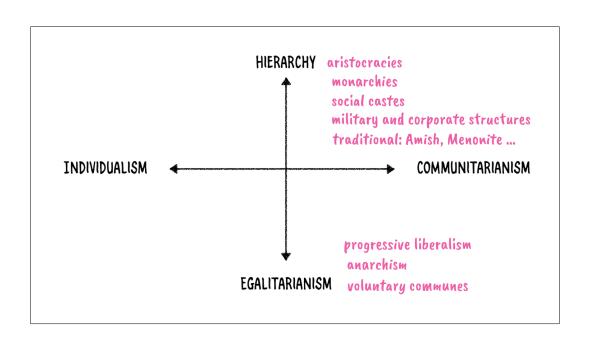
"CULTURAL COGNITION"

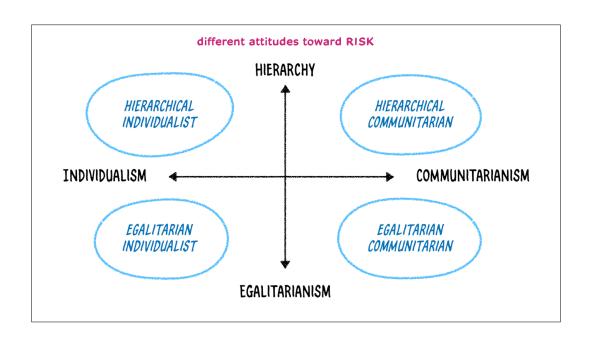
We look to the prevailing views within our cultural group to help us think about and shape our attitudes toward social and political issues

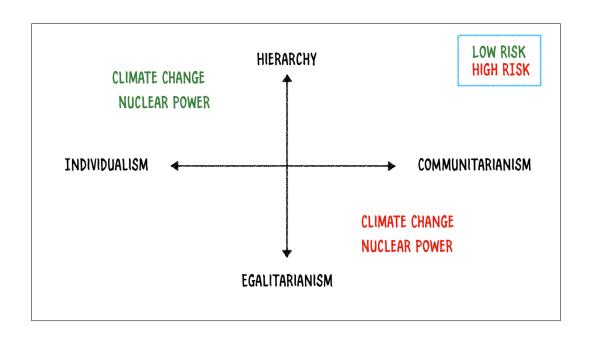


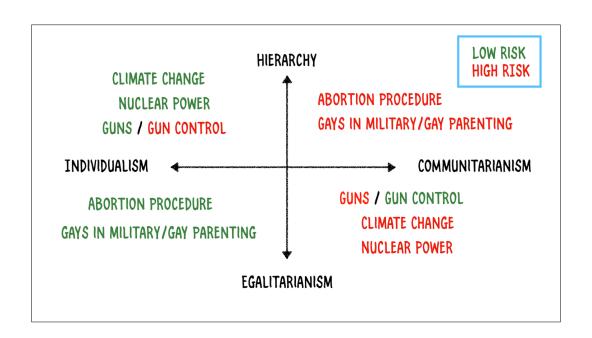
DAN KAHAN





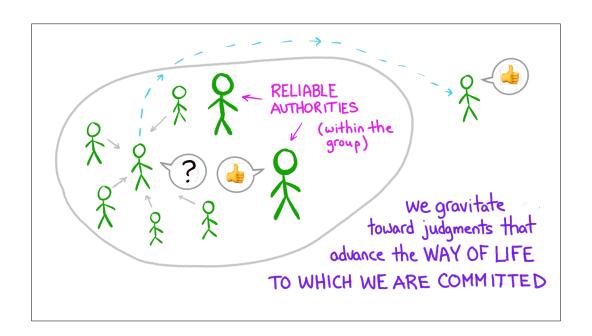


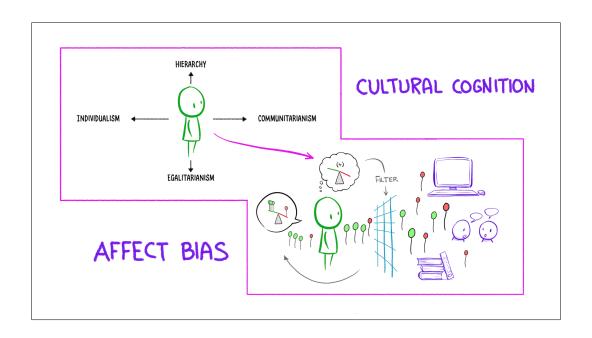


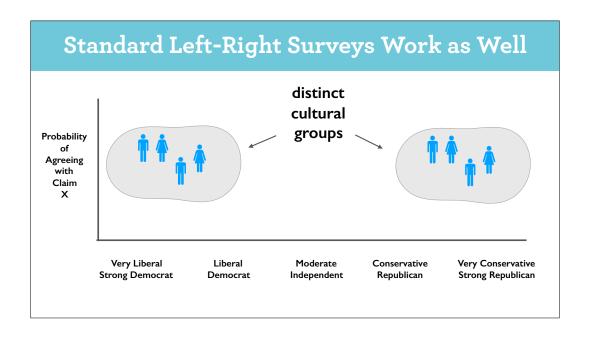


Your cultural group identity is a stronger predictor of your attitudes toward these issues than

. race
. gender
. socio-economic status
. region of the country
. political party affiliation







Important: We also use cultural cognition to judge who is a reliable authority



Robert Linden

Position: Professor of Meteorology,
Massachusetts Institute of Technology
Education: Ph.D., Harvard University
Memberships:

- American Meteorological Society
- National Academy of Sciences

Question: Is this scientist an expert on global warming?

Position: Professor of Meteorology, MIT **Education**: PhD, Harvard **Memberships**:

- American Meterological Society
- National Academy of Sciences

Important: We also use cultural cognition to judge who is a reliable authority



Robert Linden

Position: Professor of Meteorology,
Massachusetts Institute of Technology
Education: Ph.D., Harvard University
Memberships:

- American Meteorological Society
- National Academy of Sciences

Now: Give some subjects a claim that the expert endorses ...

"It is now beyond reasonable scientific dispute that human activity is causing global warming and other dangerous forms of climate change ..."

... and ask them to answer whether they think he's an expert or not.

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Important: We also use cultural cognition to judge who is a reliable authority



Robert Linden

Position: Professor of Meteorology,
Massachusetts Institute of Technology
Education: Ph.D., Harvard University
Memberships:

- American Meteorological Society
- National Academy of Sciences

And give another group of subjects a different quote ...

"Judged by conventional scientific standards, it is premature to conclude that human CO2 emotions — so-called greenhouse gases — cause global warming ..."

... and ask them to answer whether they think he's an expert or not.

Result: Judgments of expertise are determined by the cultural norms of the group

Is this scientist an "expert" on global warming?



Education: Ph.D., Harvard University

- Memberships:

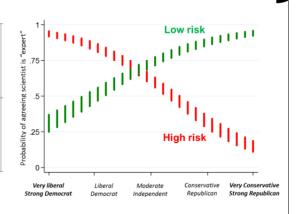
 American Meteorological Society
- · National Academy of Sciences

"High risk"

"It is now beyond reasonable scientific dispute that human activity is causing 'global warming' and other dangerous forms of climate change....

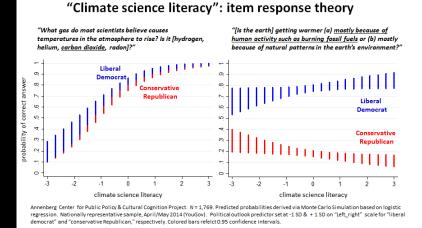
"Low risk"

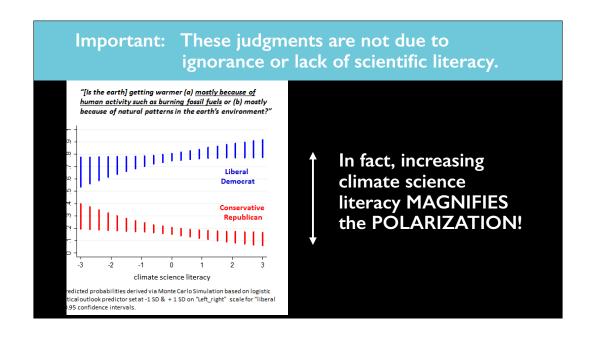
"Judged by conventional scientific standards, it is premature to conclude that human C0₂ emissions—so-called 'greenhouse gasses' cause global warming. . . .

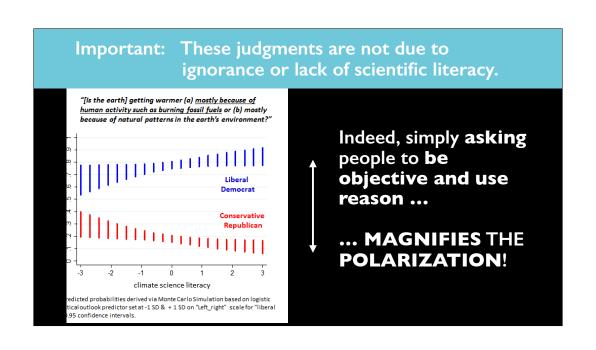


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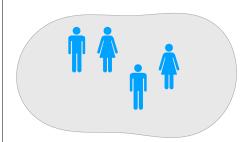
These judgments are not due to Important: ignorance or lack of scientific literacy.







Cultural Cognition: Upshot



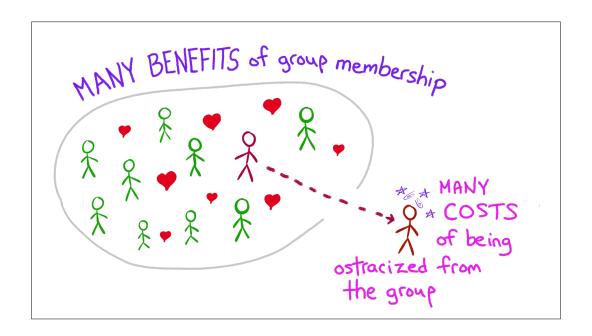
When a claim becomes **entangled or coupled** with the core beliefs of a cultural group's **identity**, it becomes **highly resistant to change** by traditional "rational" means:

- facts
- evidence
- argument
- statements of consensus opinion

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Why is our psychology structured this way?

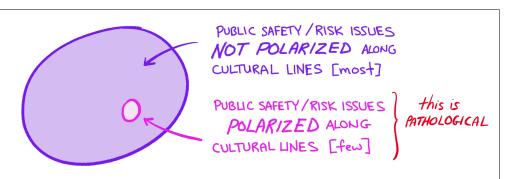
A: It's an adaptive strategy (at the individual level) if we take human "group ishness" Seriously





MOST public safety issues AREN'T attached to a political or cultural worldview

- · are medical X-rays safe?
- · is second-hand smoke dangerous to your health?
- · are genetically modified foods safe?
- is it safe to use nanotechnology in consumer products?



- Q: . WHAT DETERMINES WHICH ISSUES BECOME BONDED TO A CULTURAL OR TRIBAL WORLDVIEW ?
 - · HOW DOES THIS BONDING HAPPEN ?
 - Q: . CAN WE PREVENT THIS FROM HAPPENING?
 - · CAN WE DISENTANGLE WHAT IS ALREADY ENTANGLED?

"Tribal Trust": take-aways

- our *default* reasoning is MOTIVATED reasoning
- affect bias: our FEELINGS influence our judgments of benefit and risk
- cultural cognition: our CULTURAL IDENTITIES and VALUES influence how we feel and whose judgment to trust

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"Tribal Trust": take-aways

- not all issues are coupled to cultural worldviews (in fact, relatively few are)
- but once they are, they're very hard to decouple
- there are people working on this "decoupling" problem

