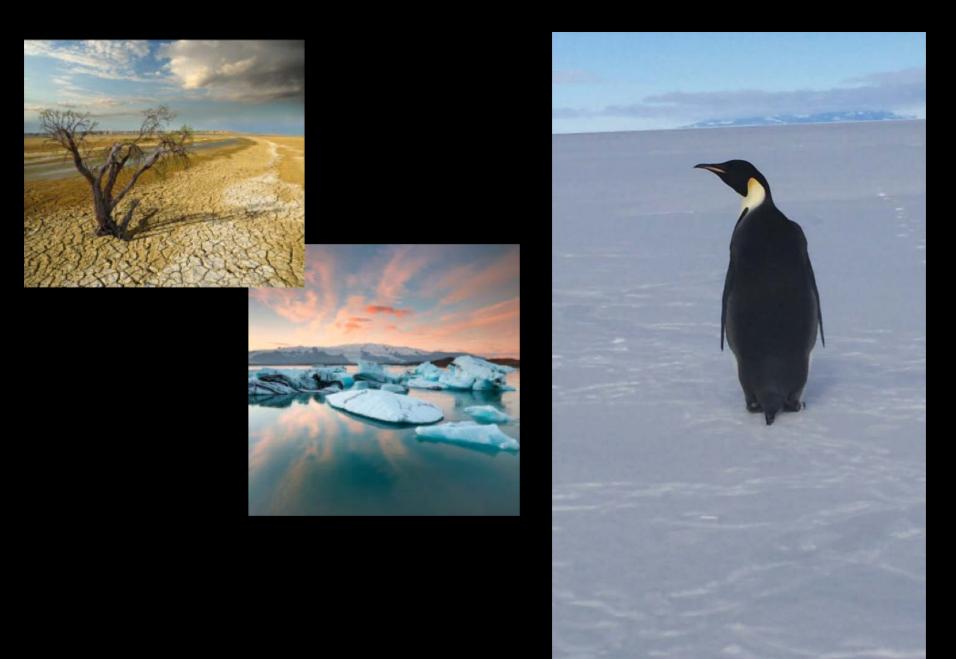
International Science Collaborations



Ingredients for Success









Ingredients for success

Listen to learn



Encourage all opinions

Problems are best solved when there is diversity of opinion and experience in the process

- (1) Problem identification
- (2) Structuring the problem
- (3) Looking for possible solutions
- (4) Making a decision
- (5) Implementation





Diversity: The case for improved performance

There's evidence from other industries that if you have just a male team, you can have a flawed product.



 Air bags: Early air bags based on the male body as the norm, were often deadly to women and children.



• Heart valves: Early heart valves were sized to fit male hearts.



 Voice-recognition systems: Early voice recognition systems were calibrated to selected voices, leaving other voices largely unheard.



Define expectations and roles





Battle the biases









Battle the biases



Sherry Boger

Head of Intel Products Vietnam, HCMC

Battle the biases



Kumud Srinivasan

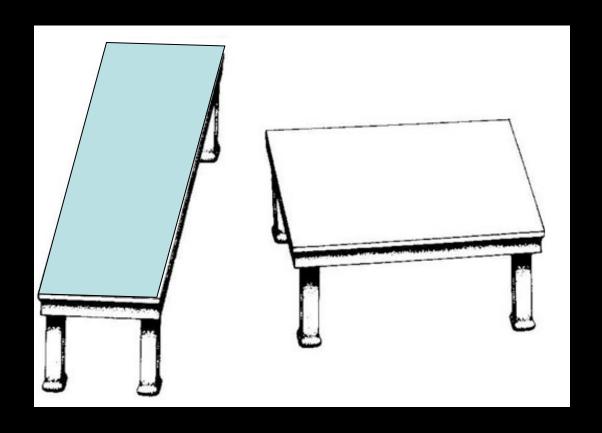
President, Intel India, Delhi, India

Inherent Bias Test

Are these table tops the same dimensions?

YES!

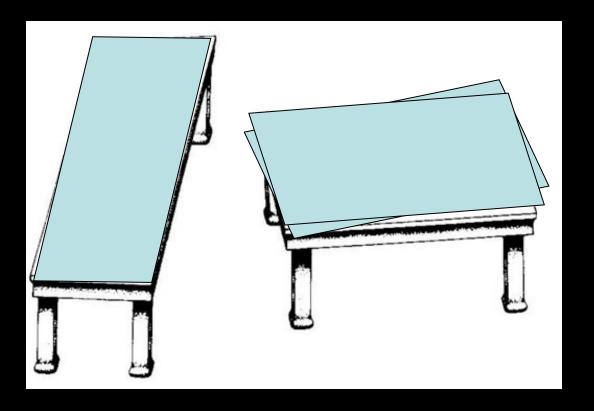
But your brain "tricks" you into thinking they' re different.



From Brian Nosek, University of Virginia.

Inherent Bias Test

Are these table tops the same dimensions?



From Brian Nosek, University of Virginia.

Implicit Association Test

So let's try a test to see if we as scientists have inherent biases about gender and science.

Grandpa

Man

Girl

Aunt

Wife

Uncle

Grandma

Son

Daughter

Woman

Son

Aunt

Father

Grandma

Father

Wife

Brother

Man

Daughter

Woman

Liberal Arts Science

Physics

Philosophy

English

Humanities

Engineering

Astronomy

Latin

Arts

Chemistry

Biology



Philosophy

Music

Geology

Biochemistry

Humanities

Neuroscience

English

Humanities

Art

Engineering

or Science

Female

or

Liberal Arts

Boy

(Practice)

or Science

Female

or

Liberal Arts

English

(Practice)

or Science

Female

or

Liberal Arts

Aunt

(Practice)

or Science Female

or

Liberal Arts

Art



or Science

Female

or Liberal Arts

Man

or Science

Female

or Liberal Arts

Chemistry

or Science Female

or

Liberal Arts

Grandpa

or Science Female

or

Liberal Arts

Humanities

or Science

Female

or Liberal Arts

Aunt

or Science

Female

or Liberal Arts

History

or Science

Female

or

Liberal Arts

Latin

or Science

Female

or Liberal Arts

Sister

or Science Female

or

Liberal Arts

Astronomy

or Science

Female or

Liberal Arts

Father

or Science Female

or

Liberal Arts

Engineering

or Science

Female

or Liberal Arts

Biology

or Science Female

or

Liberal Arts

Mother

or Science

Female

or

Liberal Arts

Boy

or Science

Female

or Liberal Arts

Physics

or Science

Female

or

Liberal Arts

History

or Science Female

or

Liberal Arts

Husband

or Science Female

or

Liberal Arts

Biochemistry

or Science

Female

or Liberal Arts

Girl

or Science

Female

or Liberal Arts

Zoology

or Science

Female or

Liberal Arts

Wife

or Science

Female

or

Liberal Arts

Latin

or Science Female

or

Liberal Arts

Nephew

or Science

Female

or Liberal Arts

Geology

or Science

Female

or Liberal Arts

Philosophy

or Science Male

or

Liberal Arts

Chemistry

or Science

Male

or

Liberal Arts

Girl

or Science

Male

or

Liberal Arts

Latin

Female or

Science

Male or

Liberal Arts

Uncle

or Science Male

or

Liberal Arts

History

or Science

Male

or

Liberal Arts

Biology

or Science Male

or

Liberal Arts

English

or Science

Male

or

Liberal Arts

Son

Female or Science

Male or Liberal Arts

Father

or Science Male

or

Liberal Arts

Engineering

Female or

Science

Male or Liberal Arts

Husband

Female or

Science

Male or Liberal Arts

Grandpa

or Science Male

or

Liberal Arts

Music

or Science

Male

or

Liberal Arts

Humanities

or Science Male

or

Liberal Arts

Neuroscience

Female or

Science

Male or

Liberal Arts

Uncle

Female or

or Science

Male

or

Liberal Arts

Physics

Female or

Science

Male or Liberal Arts

Mother

or Science

Male

or

Liberal Arts

Economics

Female or

Science

Male or Liberal Arts

Grandma

Female or

or Science Male or Liberal Arts

Niece

or Science

Male

or

Liberal Arts

Dance

or Science

Male

or

Liberal Arts

Economics

Female or

Science

Male or Liberal Arts

Man

or Science

Male

or

Liberal Arts

Music

STOP

or Liberal Arts Male

or

Science

History

or Liberal Arts Male

or

Science

Statistics

or Liberal Arts Male

or

Science

Biochemistry

or Liberal Arts Male

or

Science

Woman

or Liberal Arts Male

or

Science

Philosophy

or Liberal Arts Male

or

Science

Husband

or Liberal Arts Male

or

Science

Biochemistry

or Liberal Arts Male

or

Science

Wife

or Liberal Arts Male

or

Science

Son

or Liberal Arts Male

or

Science

Arabic

or Liberal Arts Male

or

Science

Mathematics

or Liberal Arts Male

or

Science

Grandma

or Liberal Arts Male

or

Science

Nephew

or Liberal Arts Male

or

Science

Biology

or Liberal Arts Male

or

Science

Astronomy

or Liberal Arts Male

or

Science

Mother

or Liberal Arts Male

or

Science

Arts

or Liberal Arts Male

or

Science

Daughter

or Liberal Arts Male

or

Science

Engineering

or Liberal Arts Male

or

Science

Husband

or Liberal Arts Male

or

Science

Physics

or Liberal Arts Male

or

Science

Religion

or Liberal Arts Male

or

Science

Father

or Liberal Arts Male

or

Science

Arabic

or Liberal Arts Male

or

Science

Niece

or Liberal Arts Female

or

Science

Art History

or Liberal Arts Female

or

Science

Brother

or Liberal Arts Female

or

Science

Biochemistry

or Liberal Arts Female

or

Science

Grandpa

or Liberal Arts Female

or

Science

English

or Liberal Arts Female

or

Science

Physics

or Liberal Arts Female

or

Science

Uncle

or Liberal Arts Female

or

Science

Mother

or Liberal Arts Female

or

Science

Engineering

or Liberal Arts Female

or

Science

Latin

or Liberal Arts Female

or

Science

Grandma

or Liberal Arts Female

or

Science

Biology

or Liberal Arts Female

or

Science

Daughter

or Liberal Arts Female

or

Science

Chemistry

or Liberal Arts Female

or

Science

Nephew

or Liberal Arts Female

or

Science

Neuroscience

or Liberal Arts Female

or

Science

Music

or Liberal Arts Female

or

Science

Aunt

or Liberal Arts Female

or

Science

Philosophy

or Liberal Arts Female

or

Science

Architecture

or Liberal Arts Female

or

Science

Uncle

or Liberal Arts Female

or

Science

Engineering

or Liberal Arts Female

or

Science

Music

Male or

Liberal Arts

Female

or

Science

Daughter

Female

or Liberal Arts Male

or

Science

Theatre



Build trust



Celebrate successes!



Thank you!