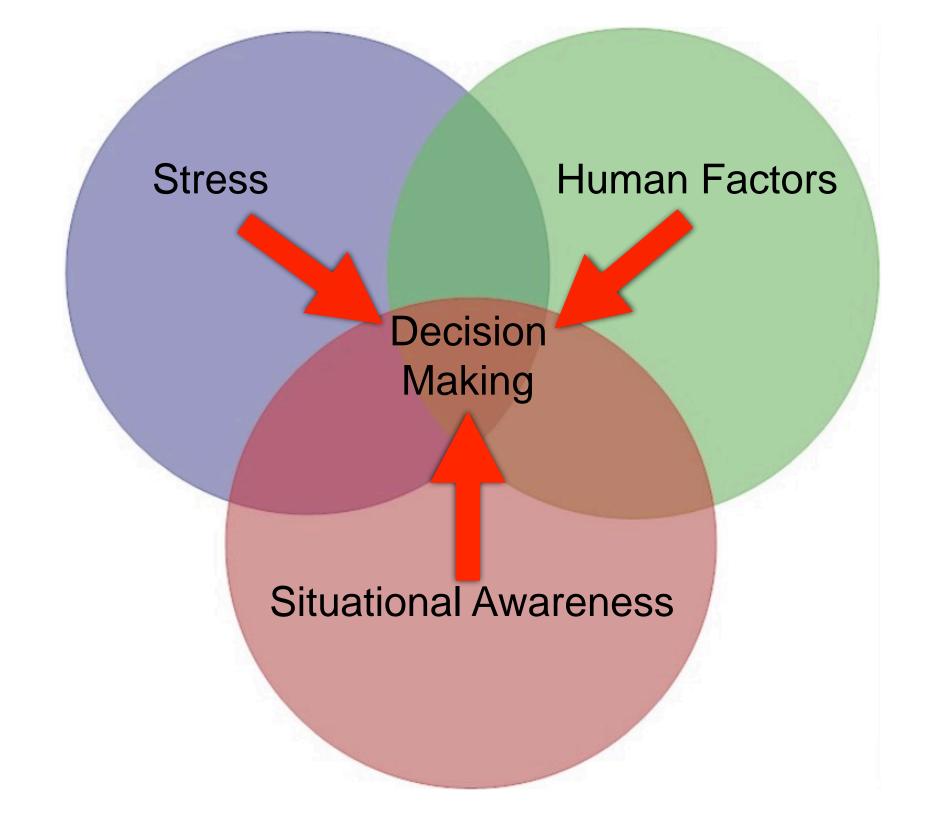


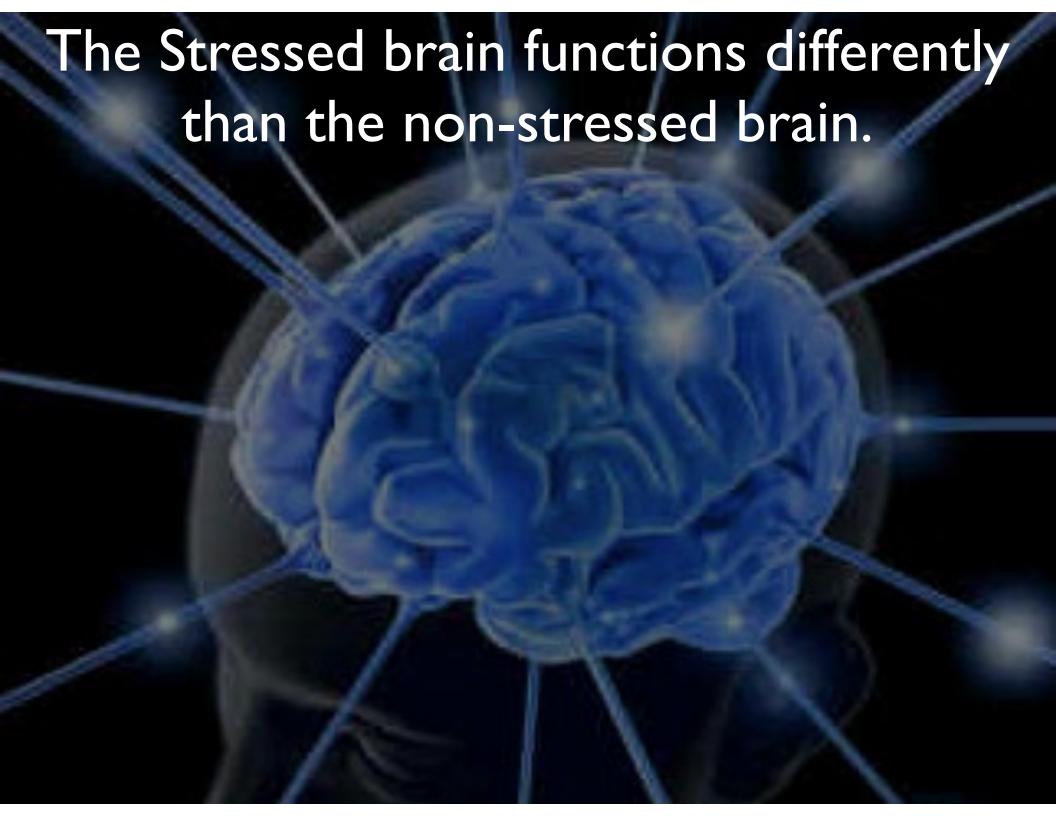


Improve your understanding of the challenges of high-risk decision making.

# Three MAJOR factors that influence decision making:

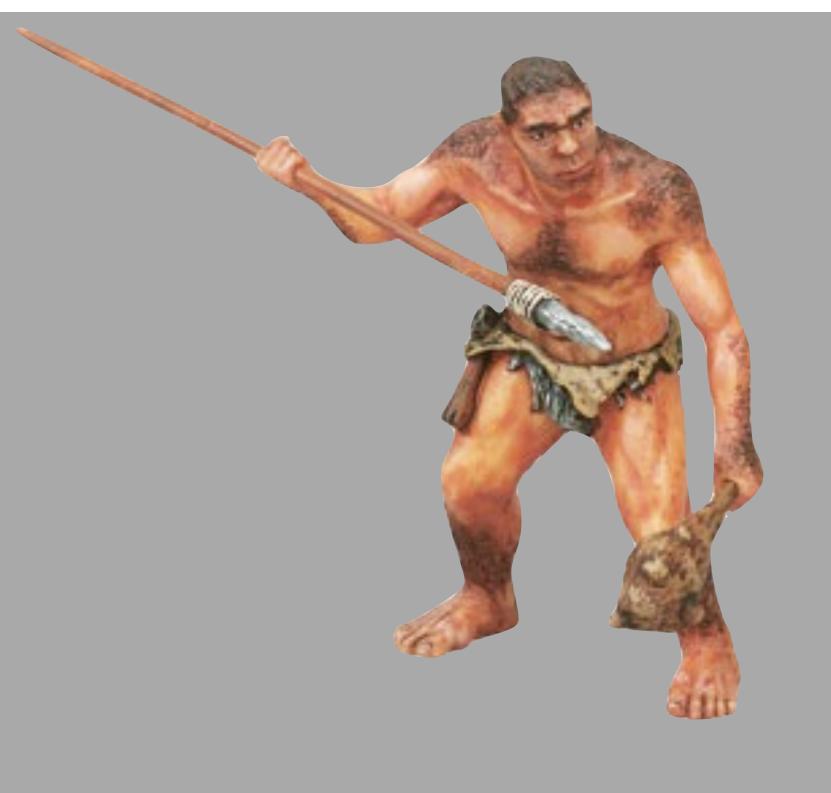






# Your brain is on drugs!

### Hereditary instincts kick in.





#### FIGHT or FLIGHT



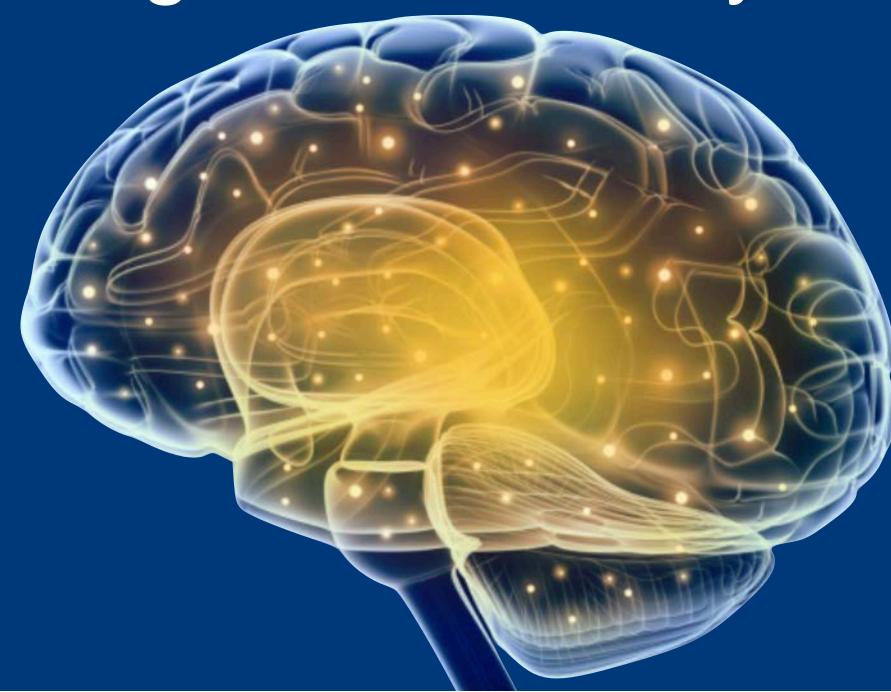
#### Freeze!

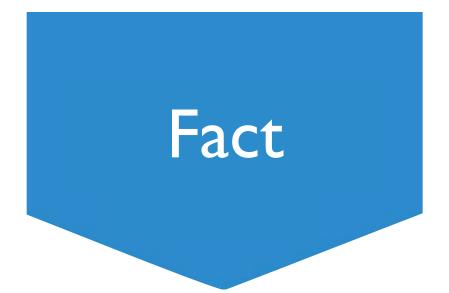


Rational (Conscious) judgment can be challenging.

Intuitive (subconscious) judgment can dominate.

#### Long Term Memory





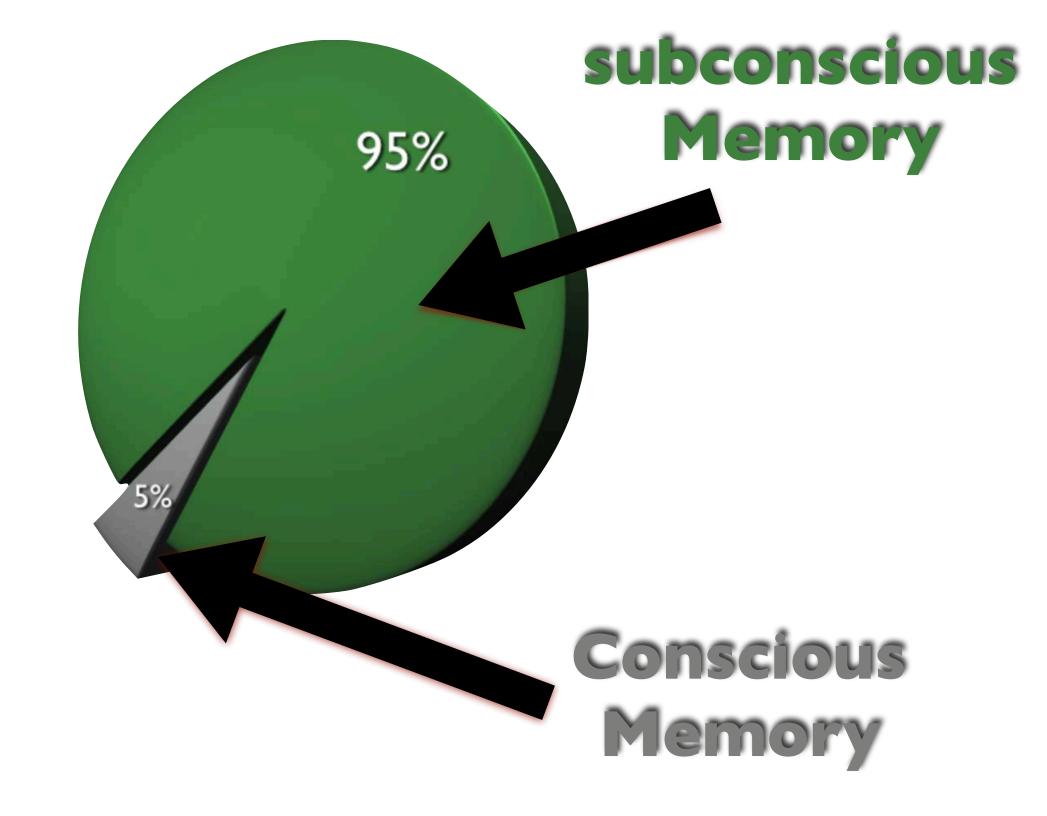
#### The capacity of long-term memory:

### 10 times all the information on the Internet.

# Fact

#### You can only consciously access:

## 5% of your long-term memory data base.





Memorized vs.
Novel Task

Task Performance

### Recall from subconscious memory



Can trigger the 6th sense.

## Intuition Knowing...

Without knowing...

How you know.



#### How do we know...

If we don't know...

How we know?

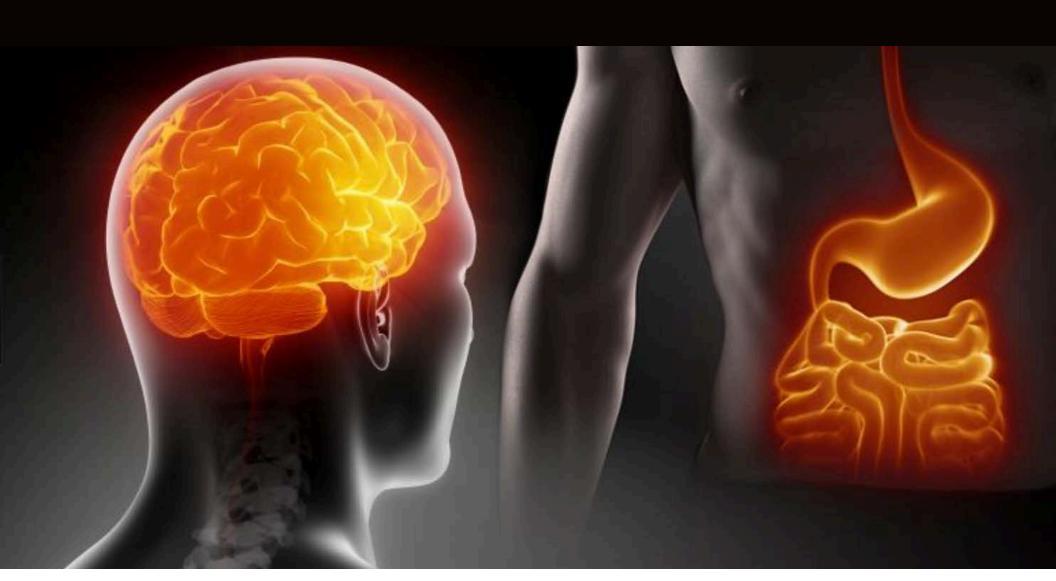


### Hair stands up on the back of your neck.

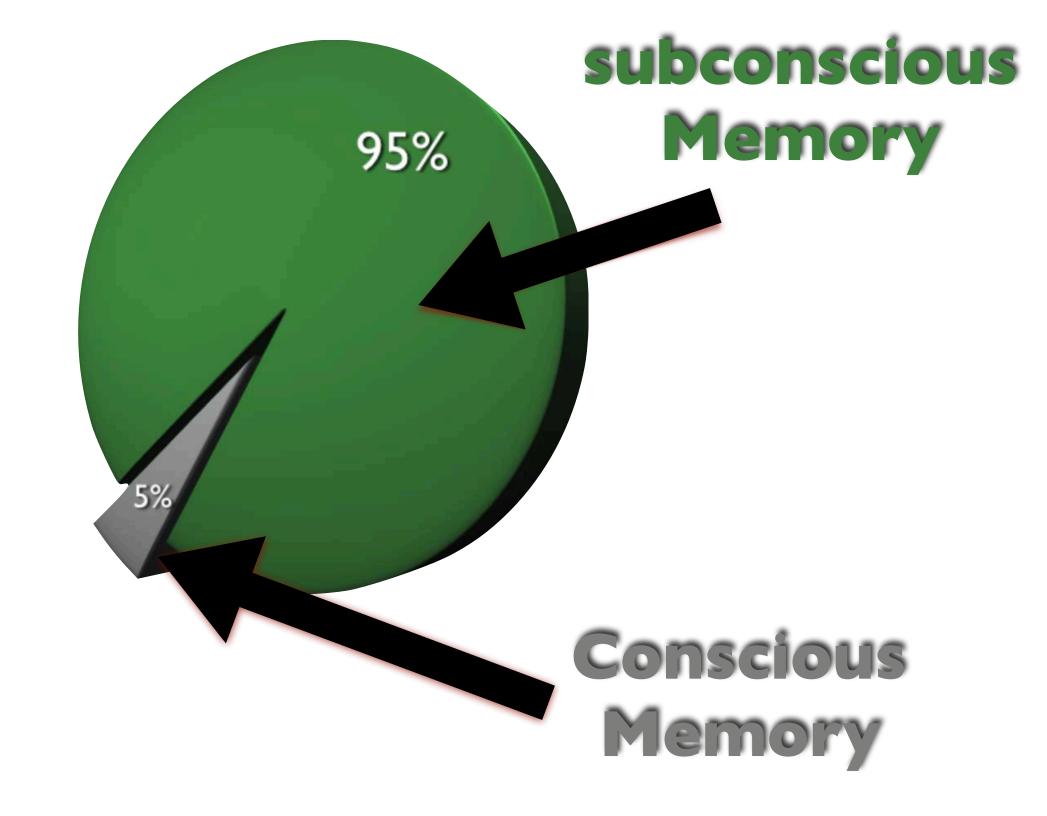
Voices in your head talk to you.

Impending feeling of doom.

### Gut Feeling









Your brain is exquisitely designed to sense danger. It uses primal "trip wires" (Alarm Bells)

## Attention is drawn toward perceived threats:

Loud **Bright** Moving Proximal

### Hyper vigilant.

## Struggle with complex problem solving.

#### **Human Factors:**

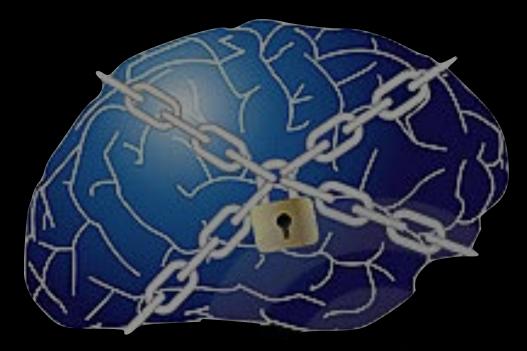


Predictable physical and psychological impacts of stress.

#### Heuristics

We can create rules and shortcuts to ease the cognitive load and stress of making decisions.

#### Your brain can be a stubborn.



Once it locks on to something like an action plan (or .99 cents)

it can be very difficult to change direction or see alternate solutions.

#### Shared Awareness

When two or more people have the same understanding about what is going on.

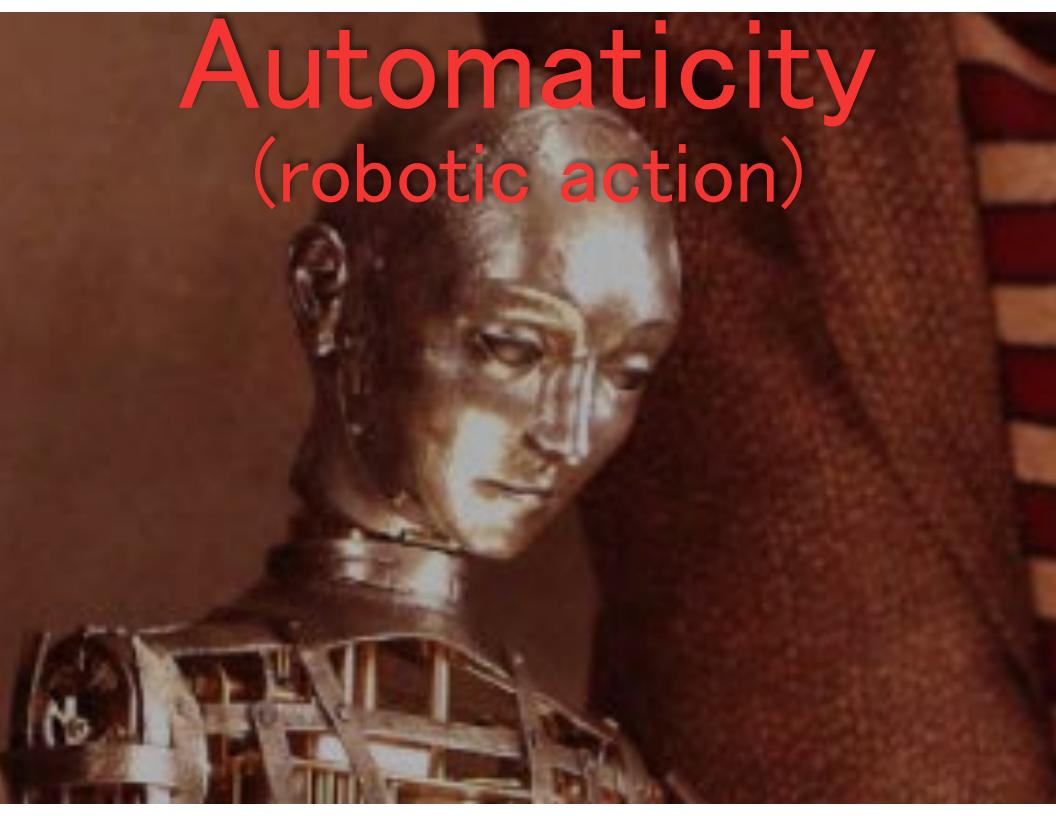
Revert to behaviors based on:

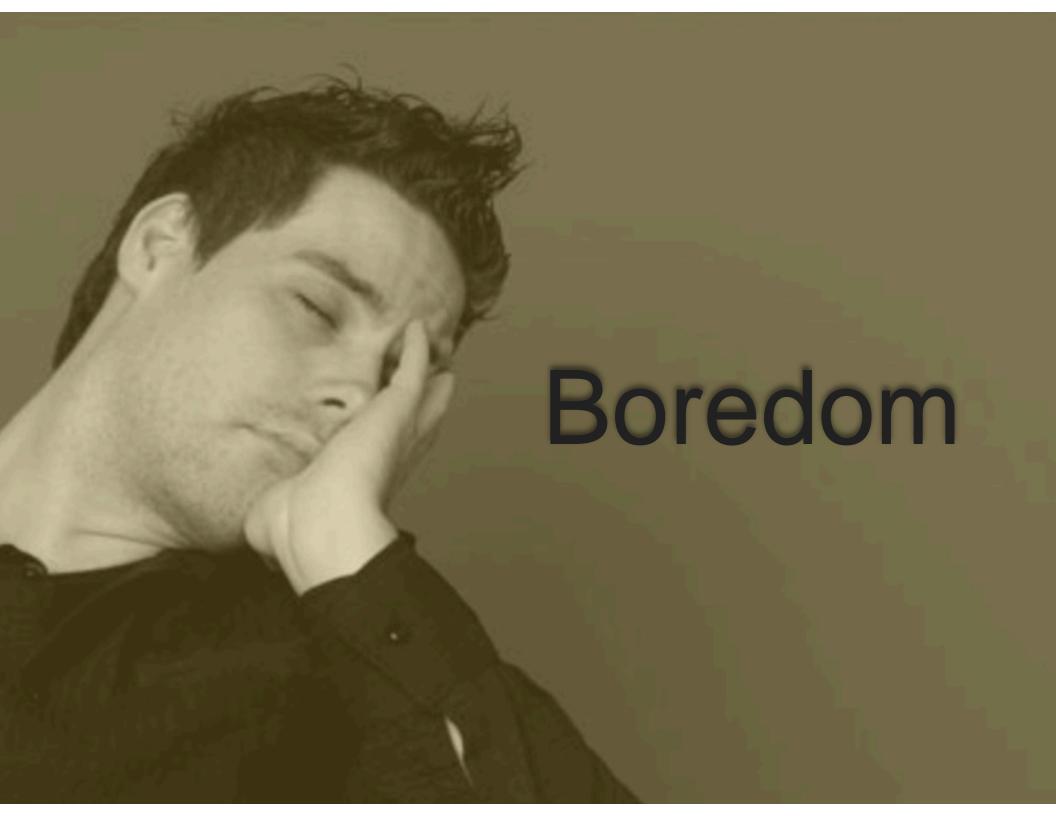
**Training** 

Routines

Muscle Memory

Habits.



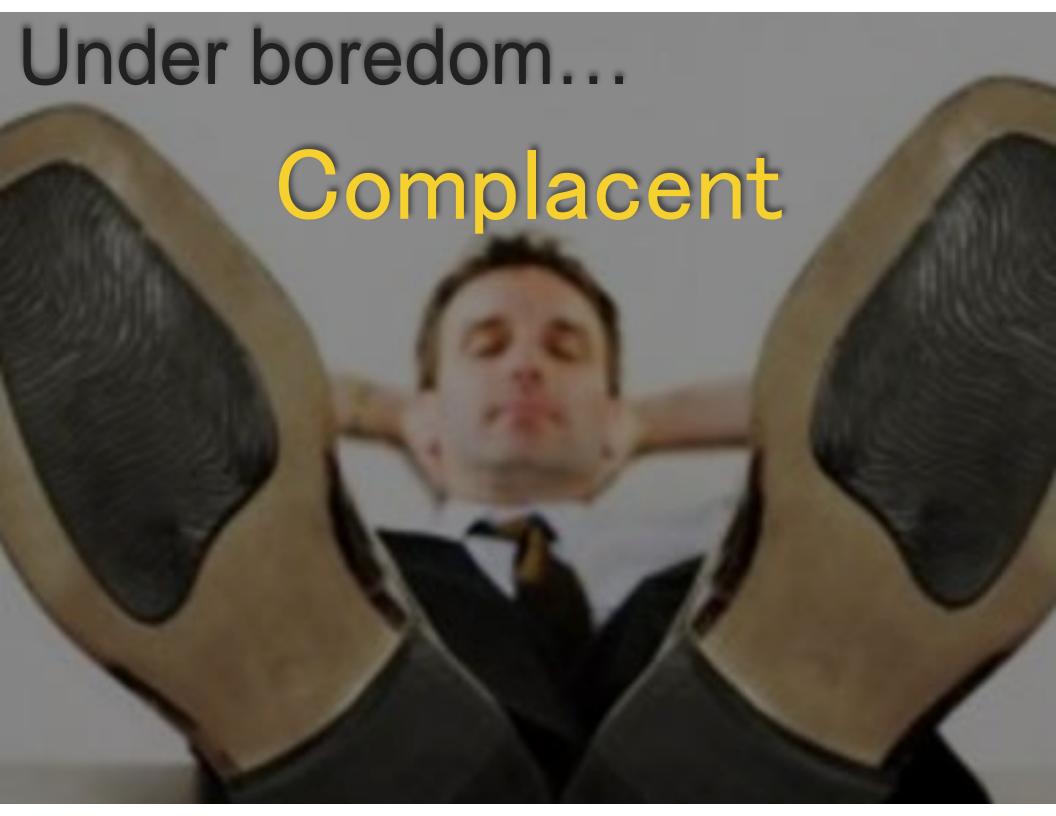


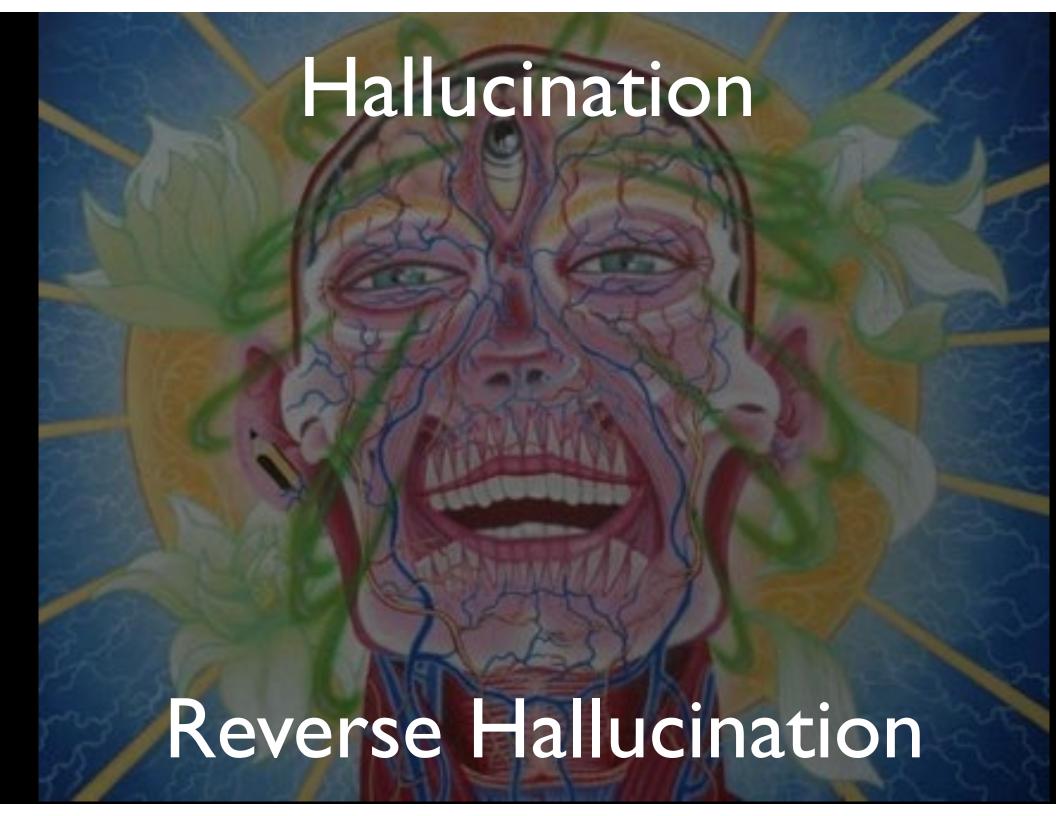
Under boredom...

## Hyper vigilant.

#### Under boredom...







## Your perceptions may not match reality.

And you may not know it.

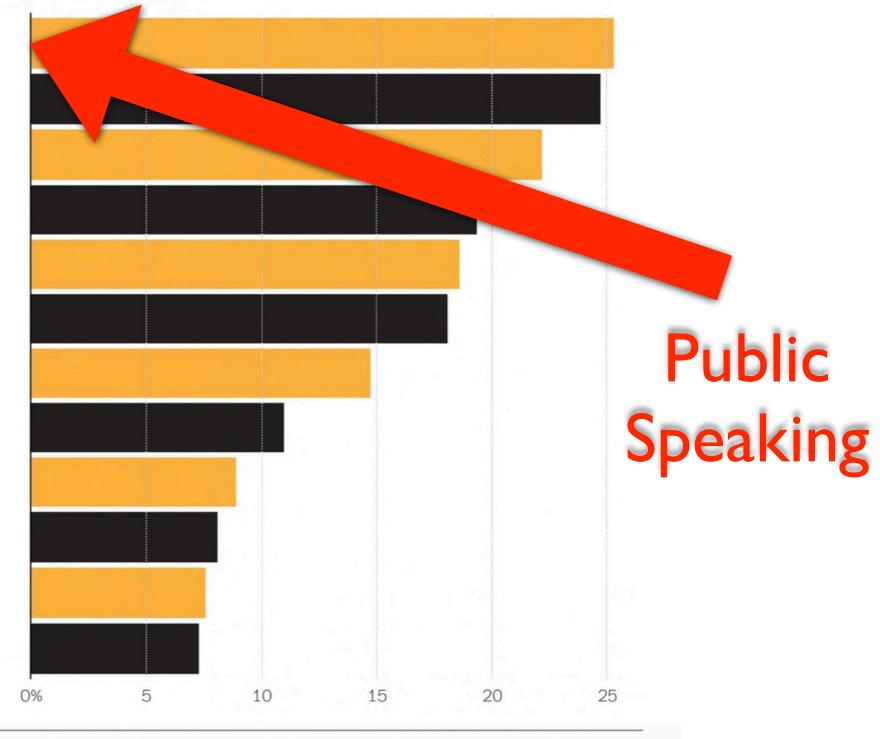


### Motion Induced Blindness





## What do people fear most?



### Embarrassment

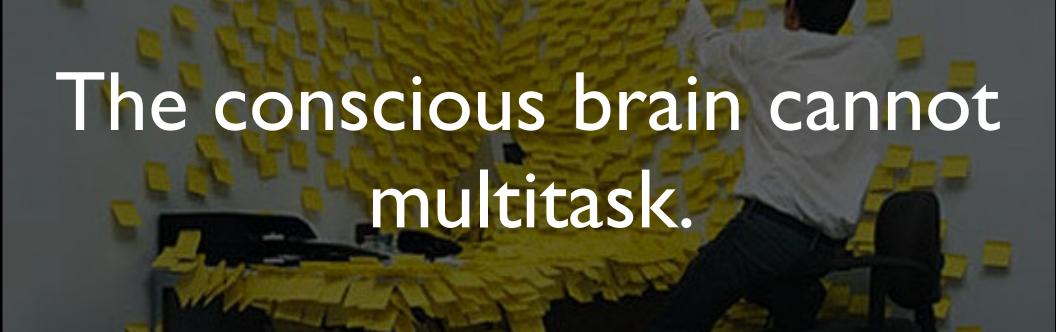
Ridicule

Consequence

Judgment

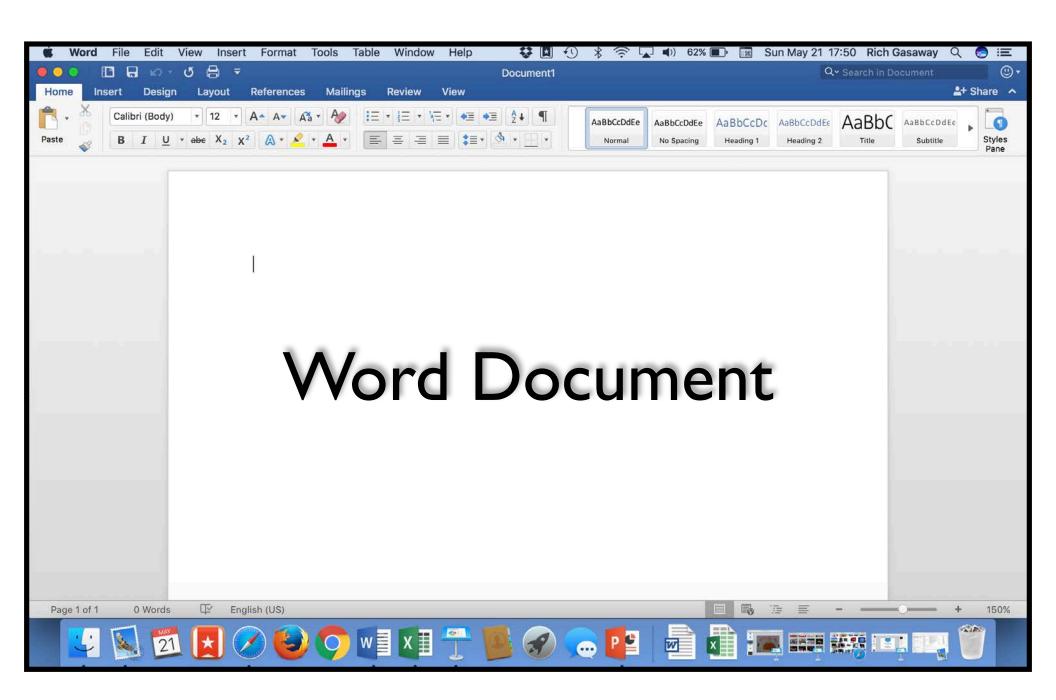
## Multitasking

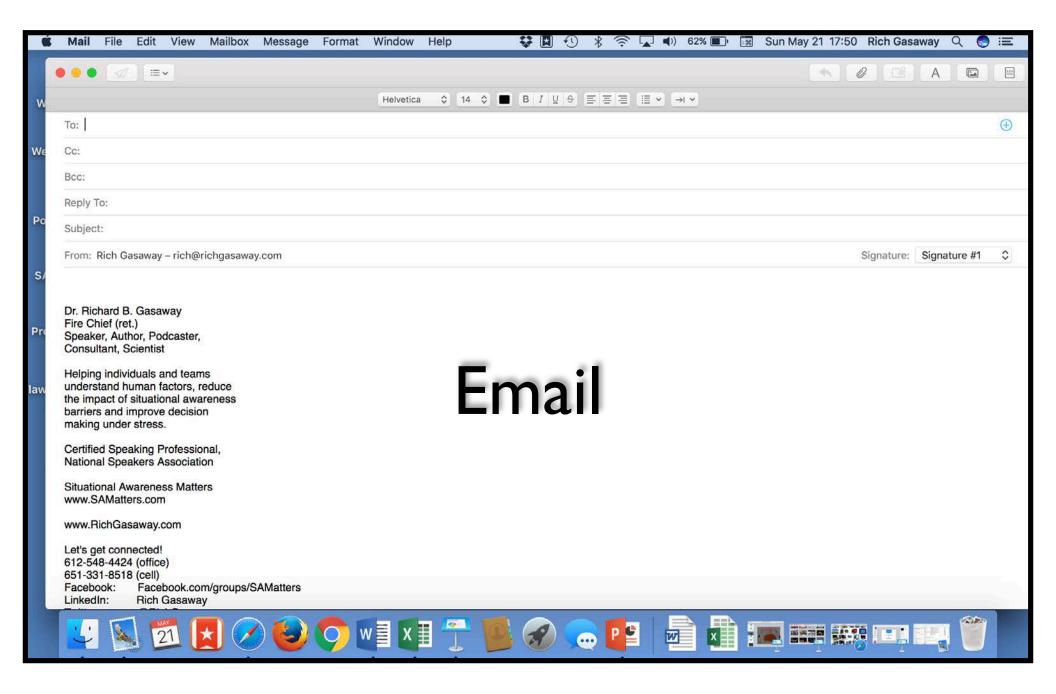




This includes paying attention in a

dynamically changing environment.







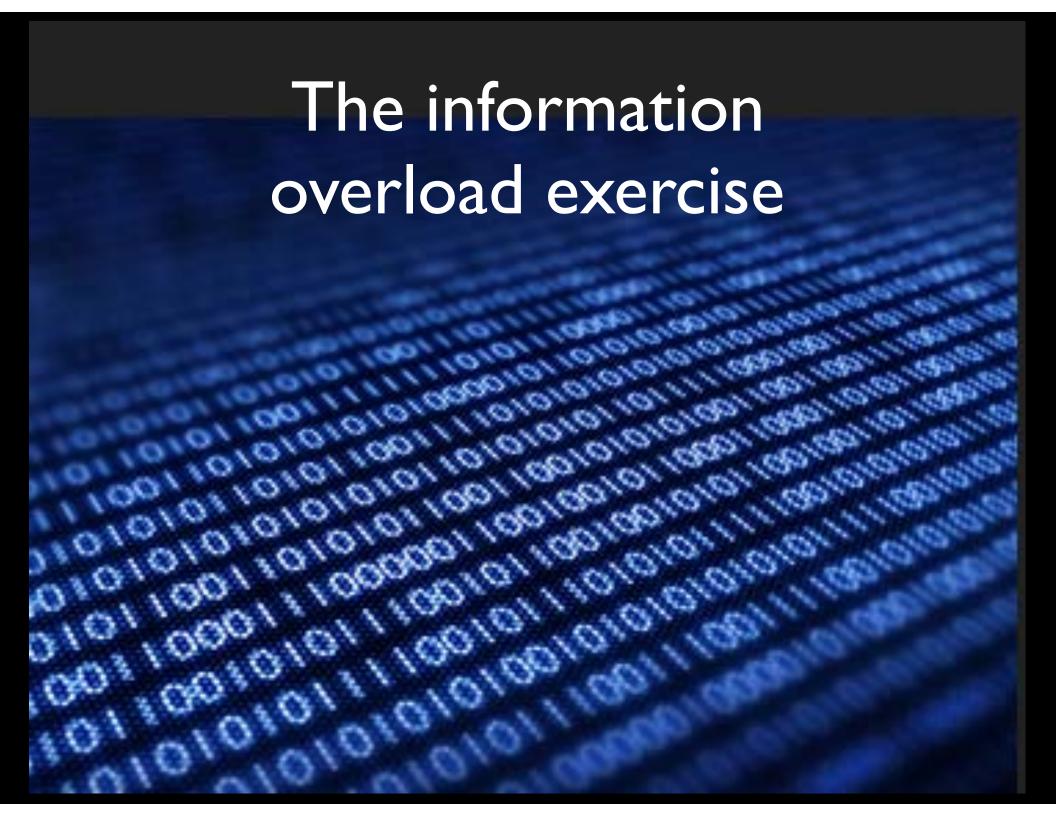
Your working memory has a very limited capacity.

We're not good at remembering a lot of detailed information.

## Your brain prioritizes incoming information.

And for the most part, you cannot control what it keeps and what it dumps.

HIGH PRIORITY



## Confabulation



#### Situational awareness

Ability to perceive AND understand

What is happening around you...

In relation to how time is passing.

And then

Be able to accurately predict future events...

In time to avoid bad outcomes.

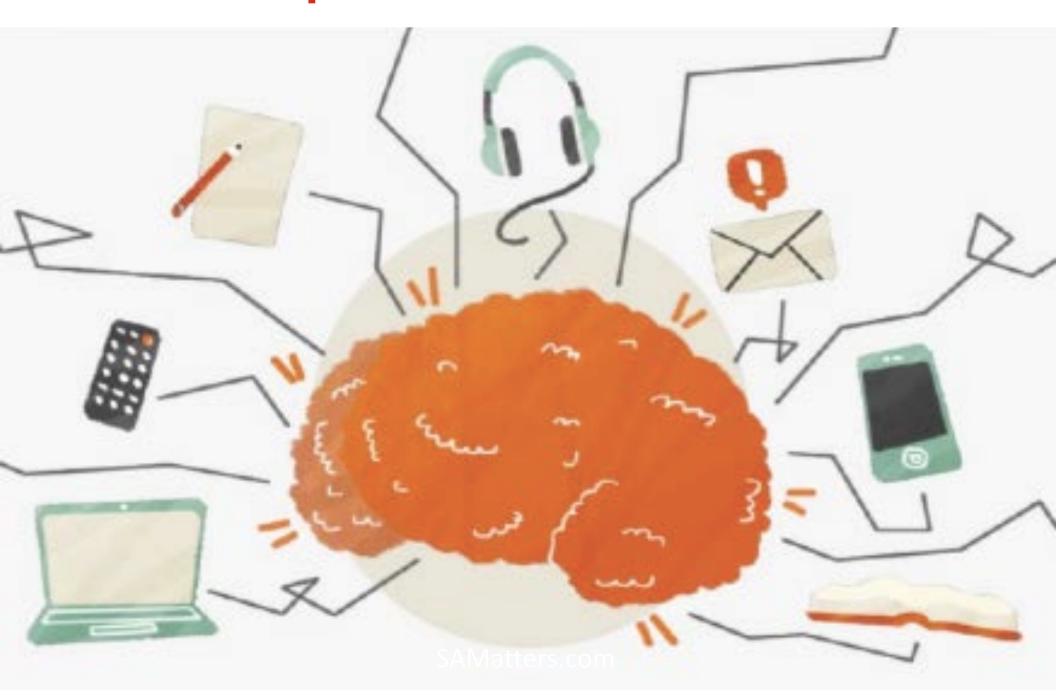
### **Human Factors**







### Consequence of Multitasking



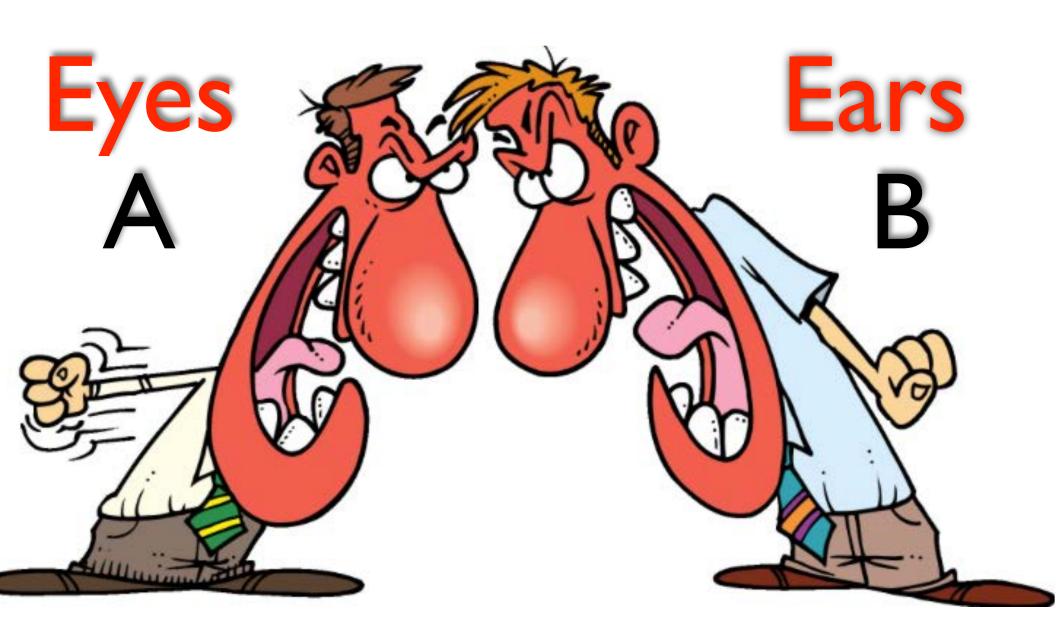


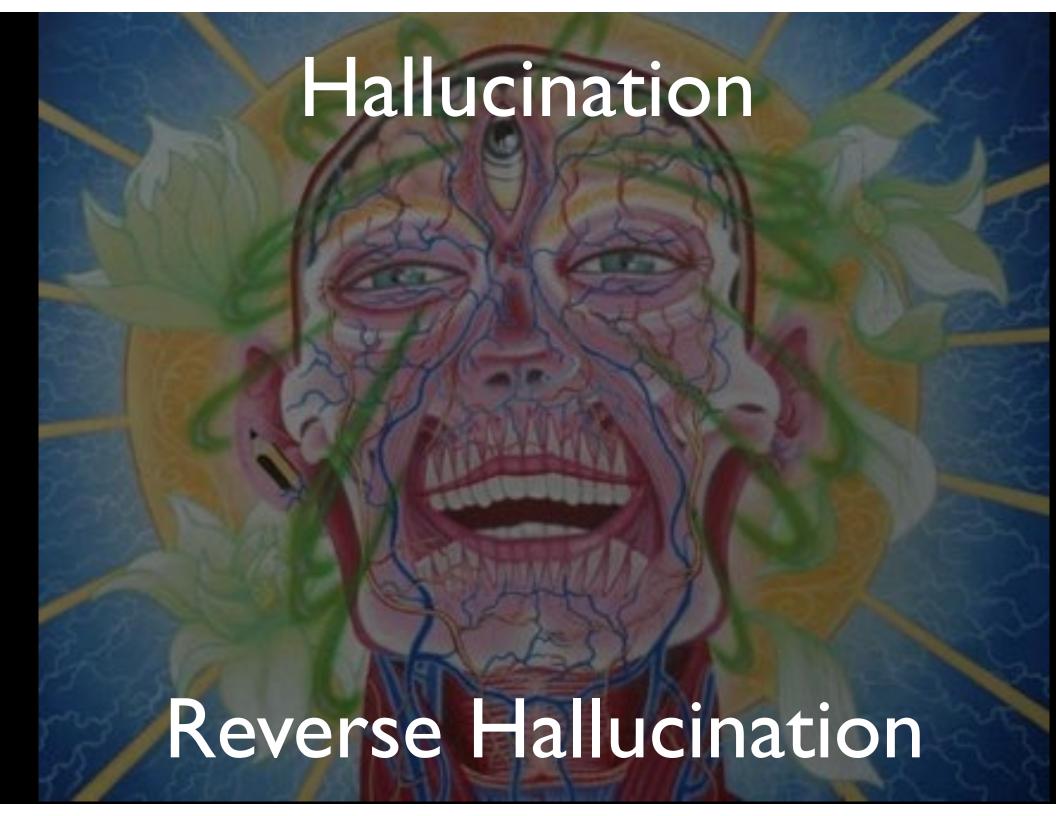


## Confabulation



## Sensory Conflict





#### Handout

## text samatters to 22828

You will also receive the SAMatters monthly newsletter.

# SAMATTERS!

Dr. Richard B. Gasaway SAMatters.com Rich@RichGasaway.com 612-548-4424



Helping your team see the bad things coming... in time to avoid bad outcomes.

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Gasaway Consulting Group, LLC 1769 Lexington Avenue North, Suite 177 St. Paul, MN 55113-6522 Phone: 612-548-4424

If you are interested in hosting a program, please contact Dr. Gasaway at www.RichGasaway.com or rich@RichGasaway.com