

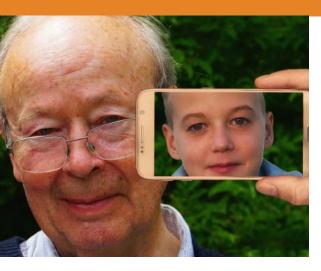






MYTH BUSTING

BRAIN MYTHS







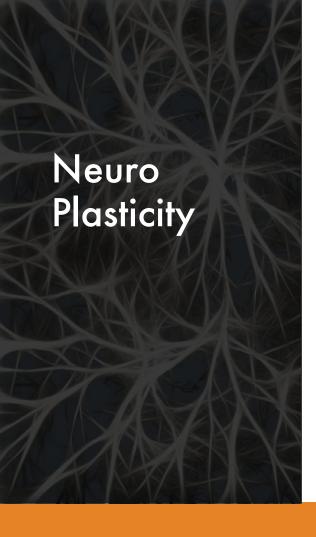
After puberty, the brain is in decline

We only use 10% of our brain

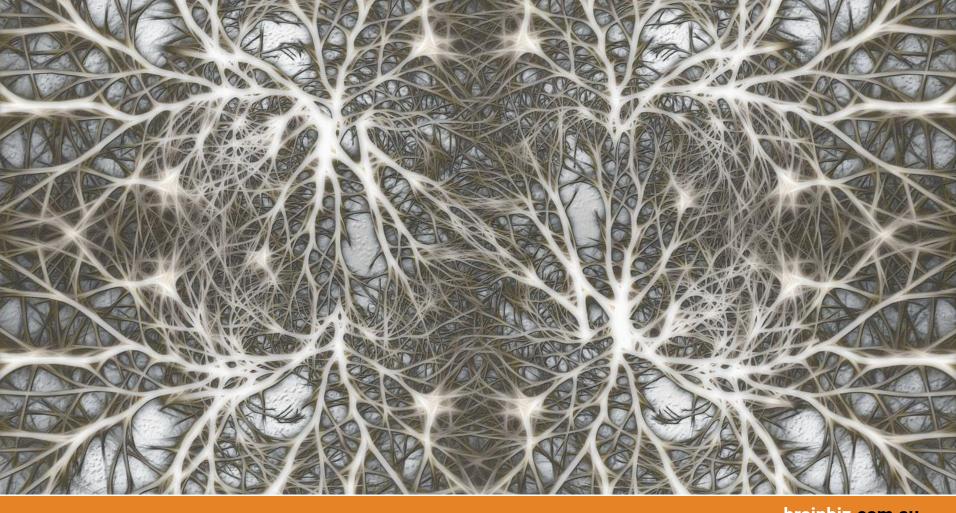
We are excellent multi-taskers



NEUROPLASTICITY







brainbiz.com.au



THREAT v REWARD

ANXIOUS

PROTECTIVE

REACTIONARY

PESSIMISTIC



CAN'T THINK

CAN'T INNOVATE

CATASTROPHISE

GENERALISE



THREAT STATE





REWARD STATE



MORE COGNITIVE RESOURCES

BETTER PROBLEM SOLVING



MORE CREATIVE
IDEAS & INSIGHTS

DOPAMINE SEROTONIN



ASSOCIATION



PATTERN RECOGNITION



ASSOCIATION NETWORKS

EFFORT CONSERVATION



ERROR DETECTION

NORMALISING



SOCIAL



SOCIAL



HUMAN INFANT SURVIVAL

TRIGGERS MOST
THREATS & REWARDS



SOCIAL PAIN



PHYSICAL PAIN



6 CAPACITY



QUESTION

In a lake there is a patch of lily pads.

Every day the patch doubles in size.

If it takes 48 days for the patch to cover the entire lake, how long would it take for the patch to cover half the lake?



47 days

Daniel Kahneman, Thinking, Fast & Slow

COGNITIVE LOAD

Unconscious

Automatic

24/7

Fast

Parallel

System 1

Neocortex

Limbic System

Conscious

Awake

Linear

Slow

Lazy

Limited

System 2

DESKTOP v OPERATING SYSTEM



CONSERVING COGNITIVE ENERGY

Difficult tasks

Difficult people

Strategising

Decisions

Hunger

Sleep deprivation

DEPLETERS

ENERGISERS

Glucose

Down time

Meditation

Exercise

Socialising

Laughter



MEMORY

ABOUT YOUR MEMORY











DECISIONS

STRATEGIC DECISION MAKING



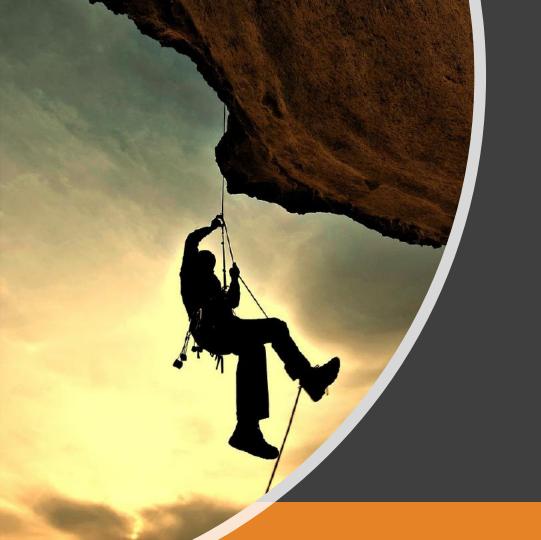
Porter's 5 Forces

How the decision feels to you

How others will react to it



MOTIVATION



MOTIVATING TEAMS

GOALS

Channel attention

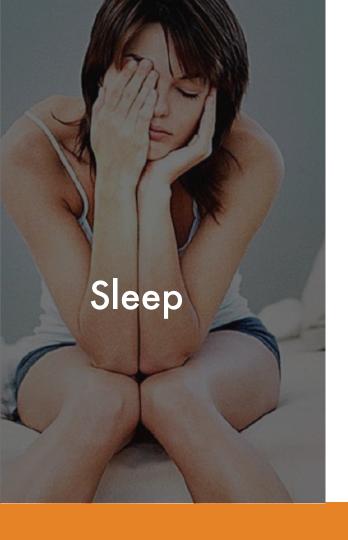
Focus the default brain state

Create a radar for goal relevant information



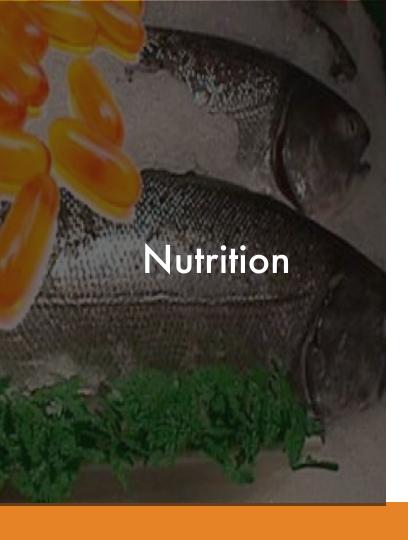


PHYSICAL



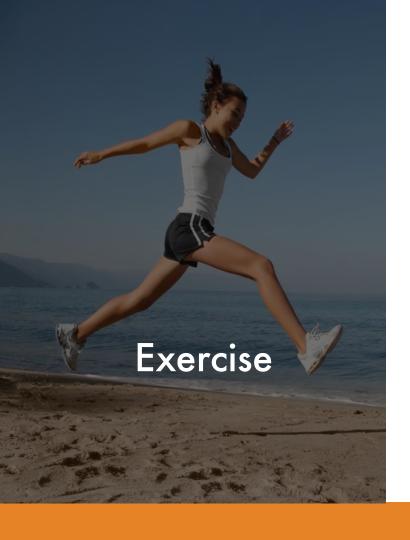
acute sleep deprivation v chronic partial sleep restriction

- recovery slower chronic
- younger perform poorer
- women perform better
- ability to accurately detect emotions declines
- memories and learning are consolidated during sleep



Below normal blood sugar = 20% reduction in performance

- iron improves cognitive performance
- flavonoids protect the brain from neurotoxins
- fish oil supports brain development



Increases

BDNF = neurogenesis & neuroplasticity

- Best exercise builds fitness & strength
- Spike & rest
- Beware excess



PRESENTER



Sylvia Vorhauser-Smith

CEO, BrainBiz

Connect with me





ON MY BOOK SHELF

