MUNI NED

MUNI MED

18

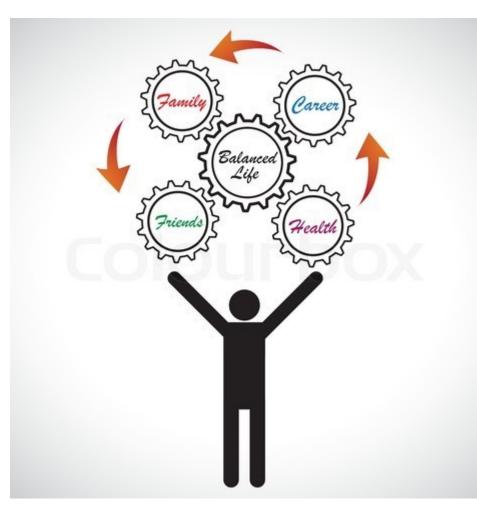
The Highest Functions of Nervous System - Psychological and Social Aspects of Brain Activity II

The conflict between the limbic system and the neocortex



MUNI

The conflict between the limbic system and the neocortex



http:// http://www.terryherring2013.com/wp-content/uploads/2014/03/life-balance.jpg

WHY? Where did you find that? I've been searching for it everywhere I created it myself OTHER

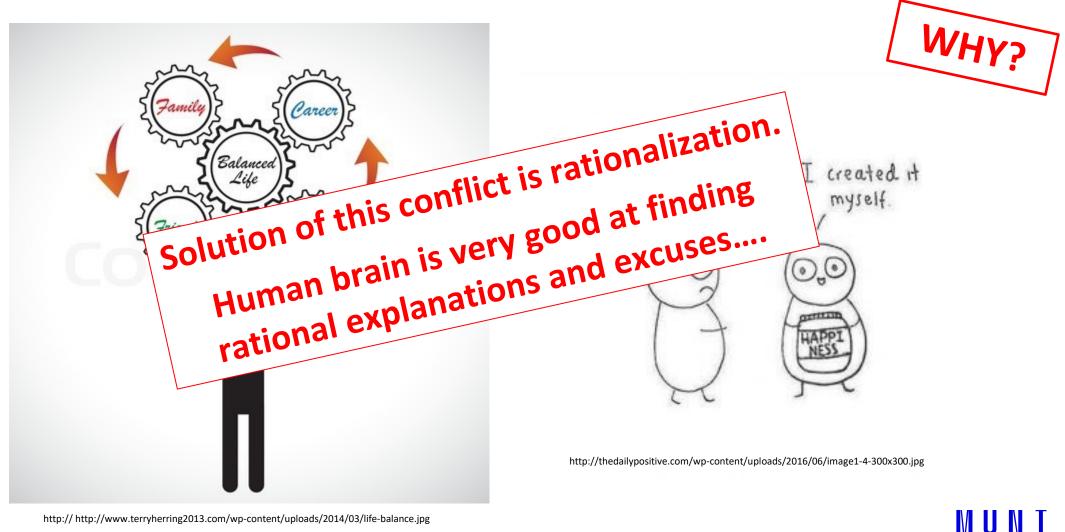
http://thedailypositive.com/wp-content/uploads/2016/06/image1-4-300x300.jpg

MUNI

MED

4 The Highest Functions of Nervous System II

The conflict between the limbic system and the neocortex

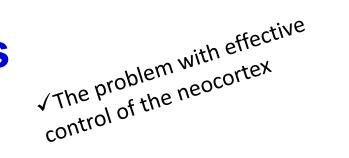


MED

http:// http://www.terryherring2013.com/wp-content/uploads/2014/03/life-balance.jpg

The Highest Functions of Nervous System II 5

Awareness / Mindfulness

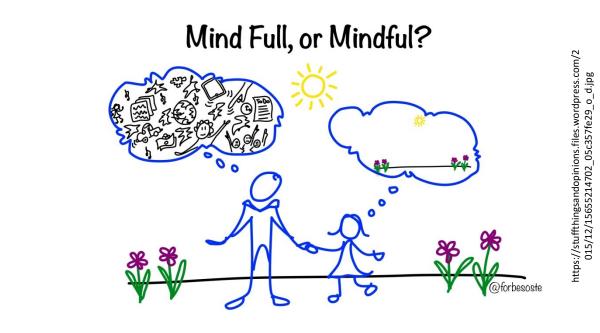


http://cognitive therapyonline.com/cbt4panic/wp content/uploads/2011/03/past-future.gif

UNCHANGABLE

HERE NOW

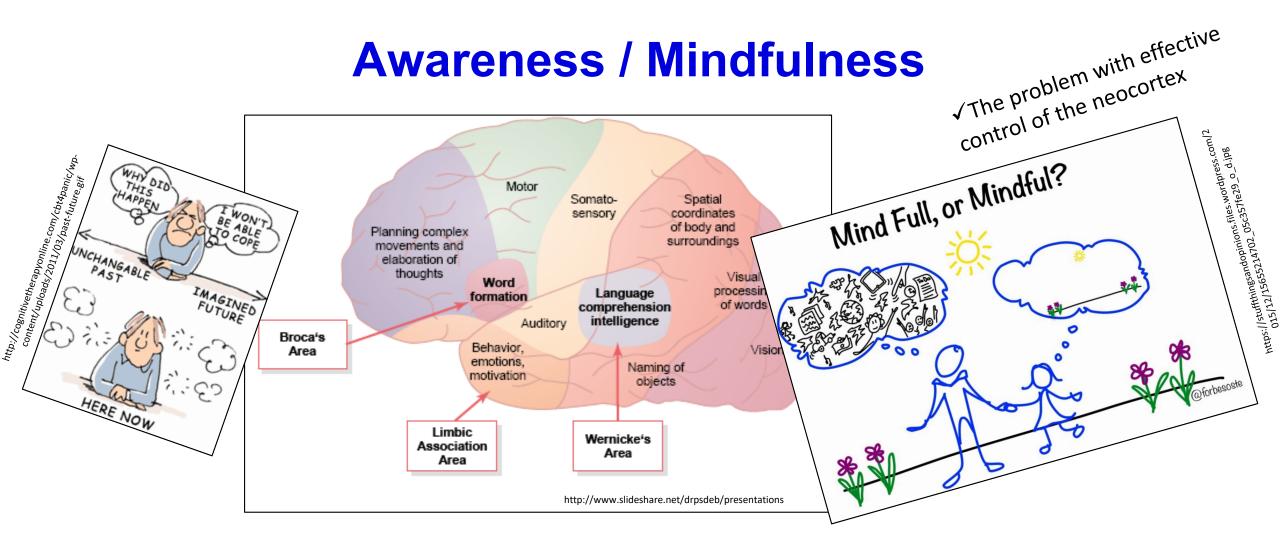
IMAGINED FUTURE



"When you are hungry, eat; when you are tired, sleep"

Zen Budhist quote

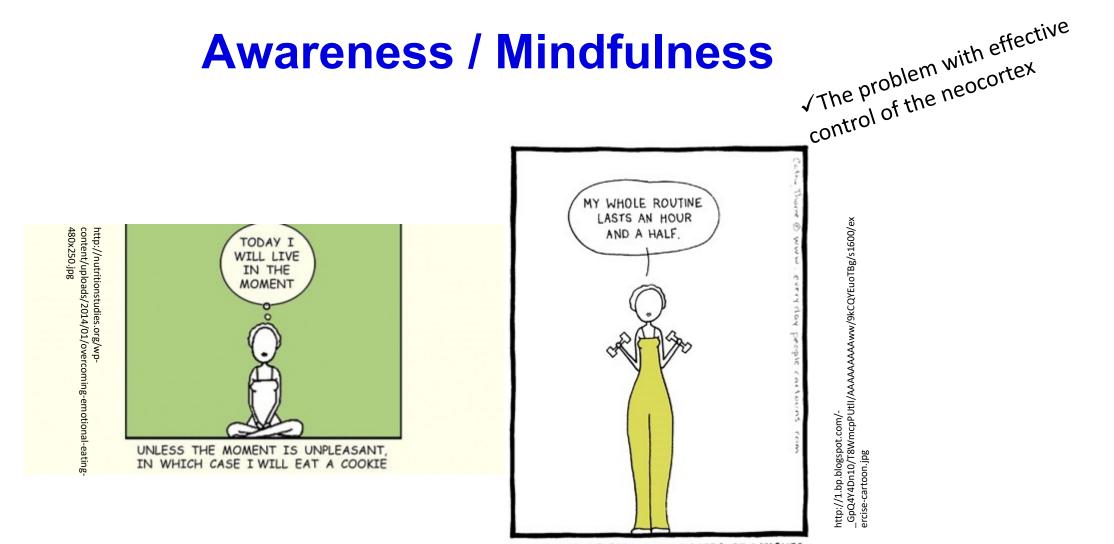
MUNI Med



"When you are hungry, eat; when you are tired, sleep"

Zen Budhist quote

MUNI

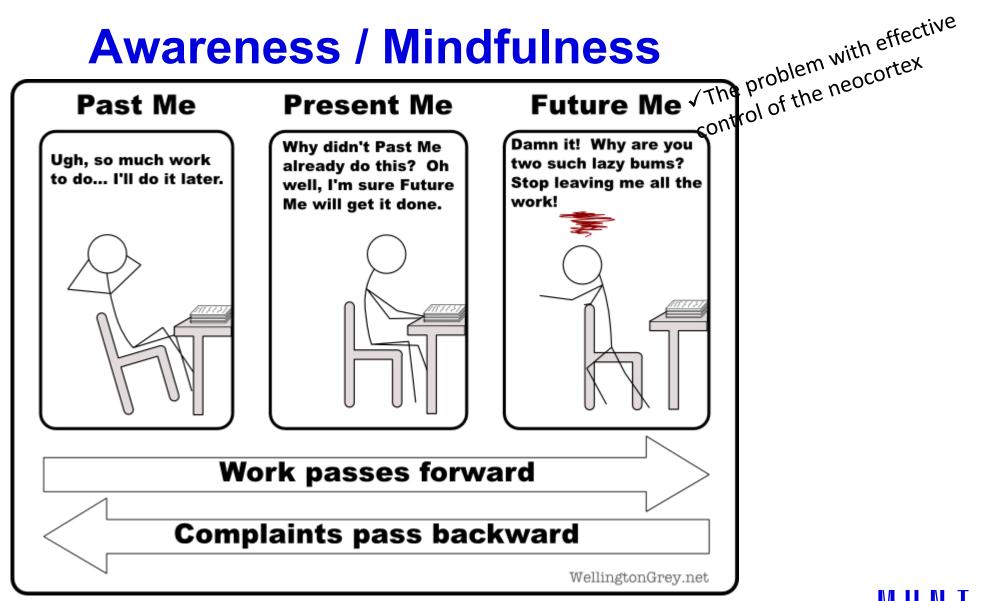


IS MINUTES OF CARDIO, IS MINUTES OF WEIGHTS, AND AN HOUR OF TALKING MYSELF INTO IT.

8 The Highest Functions of Nervous System II

MUNI MED

Awareness / Mindfulness



https://whatsinabrain.files.wordpress.com/2013/09/past-present-future.png

MUNT MED

Procrastionation

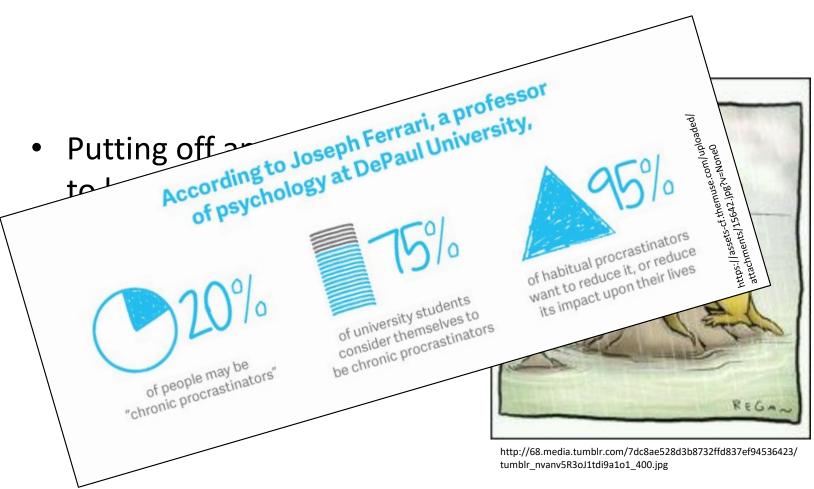
- Putting off an action to later time
- It is not a laziness!



http://68.media.tumblr.com/7dc8ae528d3b8732ffd837ef94536423/ tumblr_nvanv5R3oJ1tdi9a1o1_400.jpg

MUNI MED

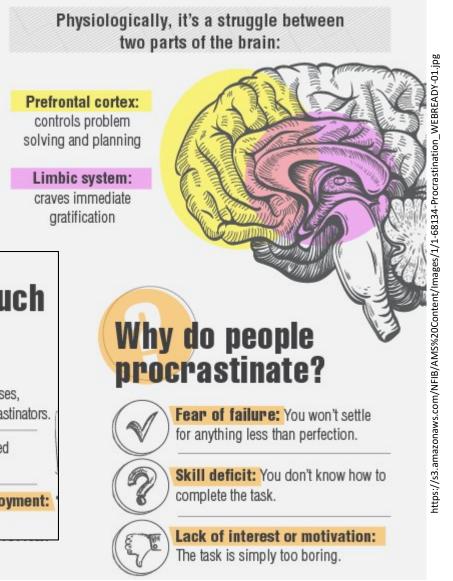
Procrastionation



MUNI MED

Procrastination





MUNI

MED

Why is procrastination such a bad idea?

It can ...

... hurt your health: Chronic procrastinators suffer more illnesses, get less exercise, sleep less and drink more alcohol than non-procrastinators.

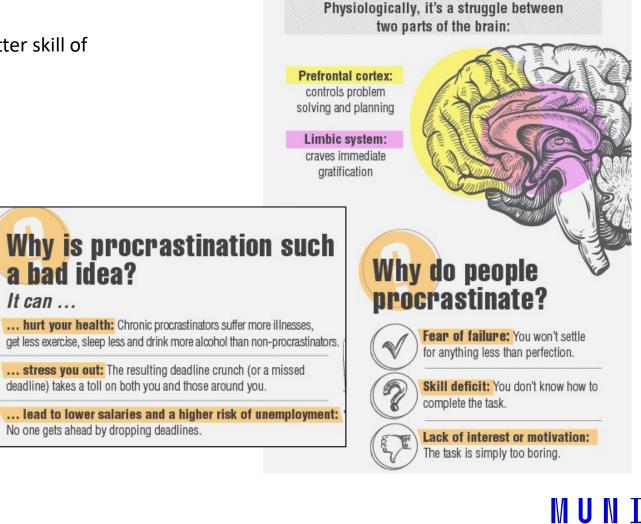
... stress you out: The resulting deadline crunch (or a missed deadline) takes a toll on both you and those around you.

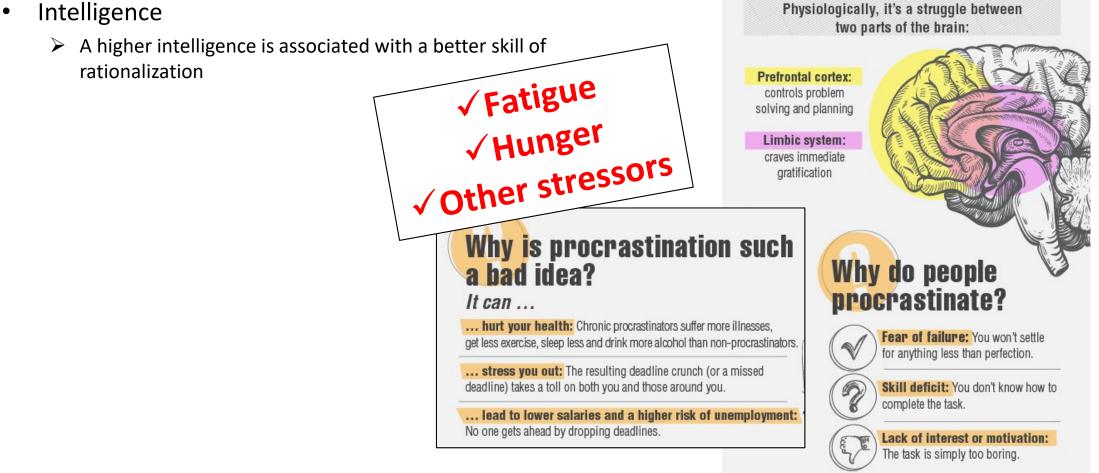
... lead to lower salaries and a higher risk of unemployment: No one gets ahead by dropping deadlines.

12 The Highest Functions of Nervous System II

It can

- Intelligence •
 - > A higher intelligence is associated with a better skill of rationalization

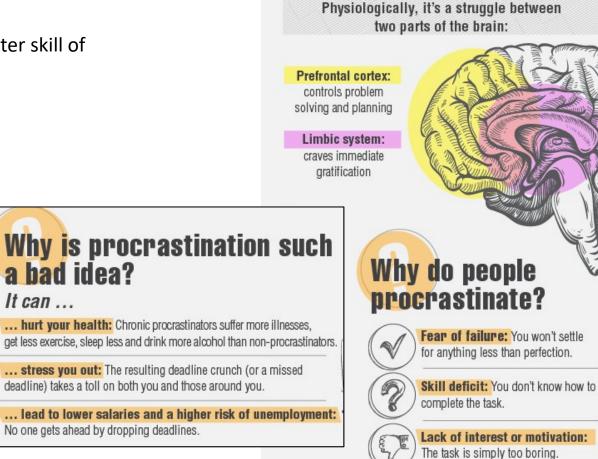




14

MUNI

- Intelligence
 - A higher intelligence is associated with a better skill of rationalization
- A task has low meaning
 - > Why to do it?
- A task is boring
 - I do not like it
- A task is difficult
 - How to start?
- A task is frustrating
 - I cannot move on...



astination_WEBREADY-01.jpg https://s3.amazonaws.com/NFIB/AMS%20Content/Images/1/

MUNI

- Intelligence
 - > A higher intelligence is associated with a better skill of rationalization
- A task has low meaning
 - Why to do it? \geq
- A task is boring
 - I do not like it
- A task is difficult
 - How to start?
- A task is frustrating •
 - I cannot move on... \geq
- Bad organization
 - I have to do it ina a different way
- Lacking in rewards(mainly intrinsic)
 - It does not bring me anything



Why is procrastination such a bad idea? It can

... hurt your health: Chronic procrastinators suffer more illnesses, get less exercise, sleep less and drink more alcohol than non-procrastinators.

... stress you out: The resulting deadline crunch (or a missed deadline) takes a toll on both you and those around you.

... lead to lower salaries and a higher risk of unemployment: No one gets ahead by dropping deadlines.

Why do people procrastinate?

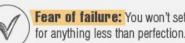
Physiologically, it's a struggle between two parts of the brain:

Prefrontal cortex: controls problem

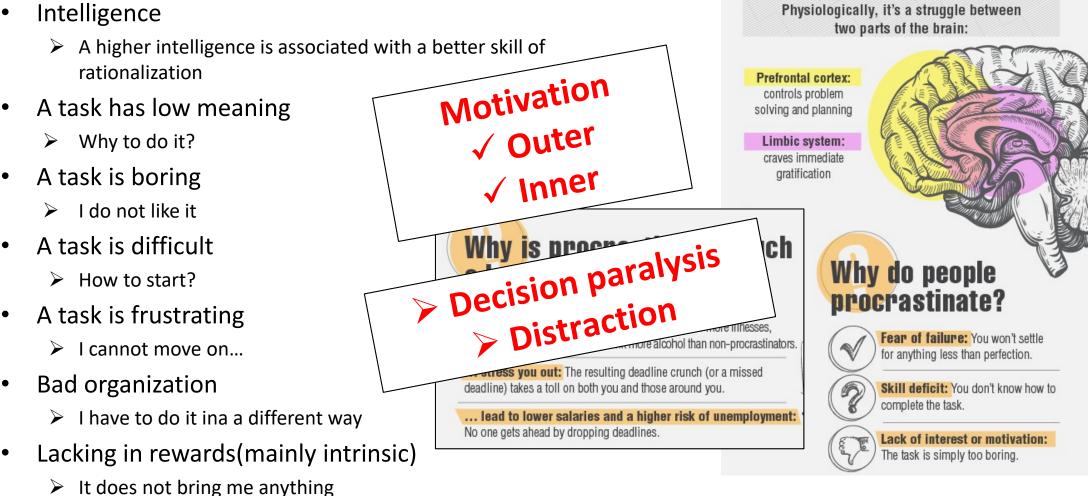
solving and planning

Limbic system: craves immediate

gratification



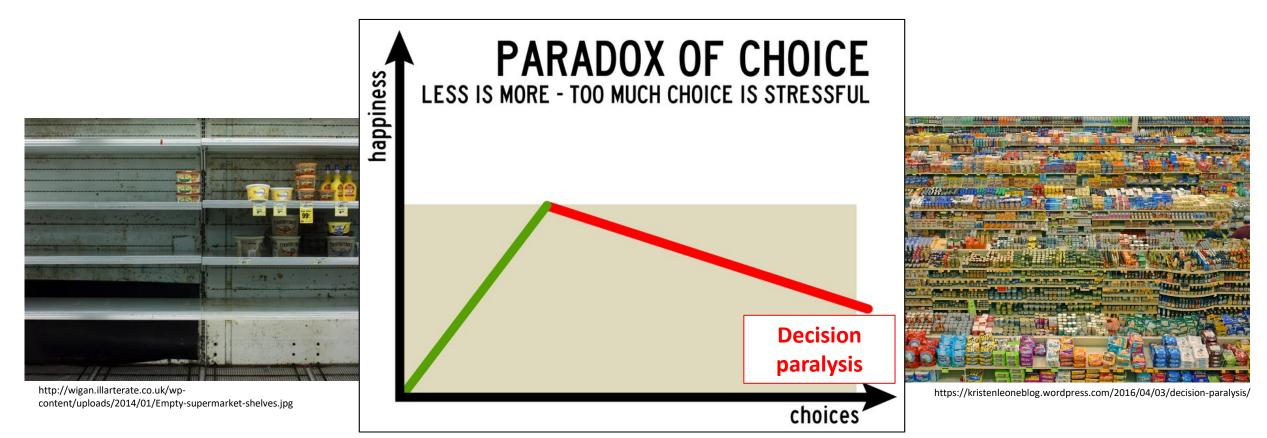
Skill deficit: You don't know how to complete the task.



astination_WEBREADY-01.jpg

https://s3.amazonaws.com/NFIB/AMS%20Content/Images/1/

More choice does not make us more happy



https://11tx7b411ycc3zja3v2vhqz9-wpengine.netdna-ssl.com/wp-content/uploads/2015/07/paradox-of-choice.jpg

MUNI

Distraction

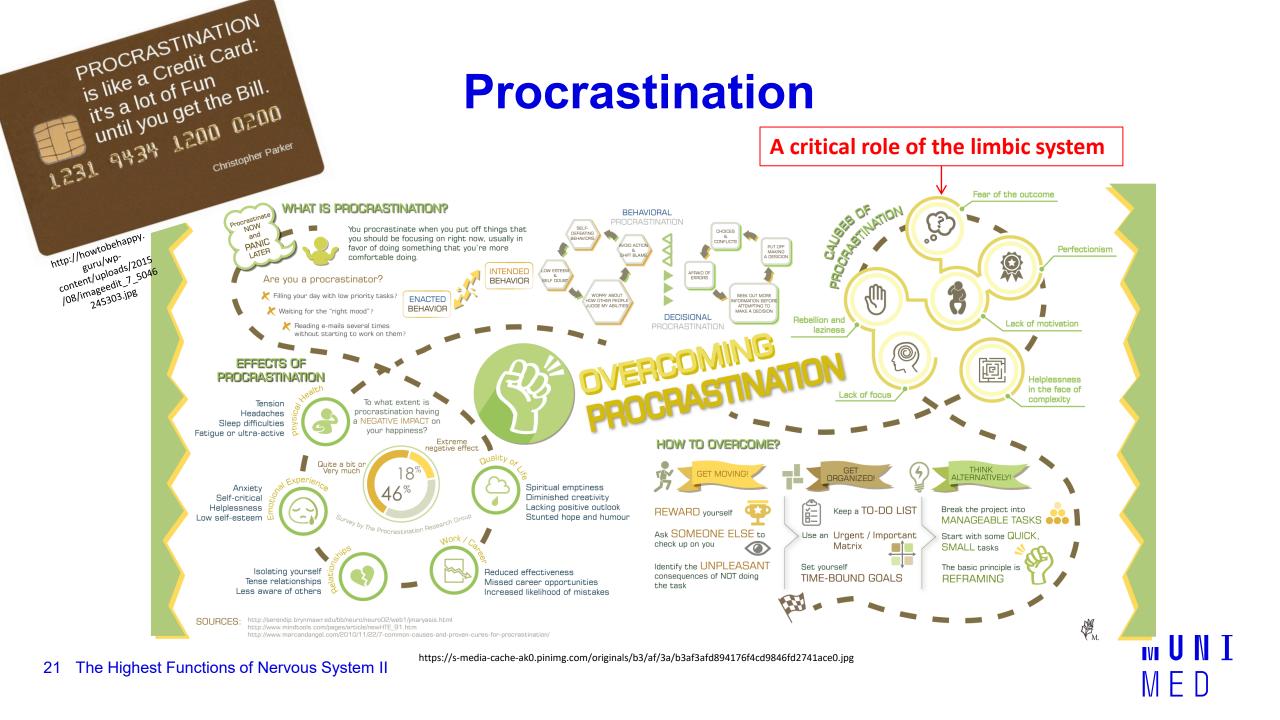


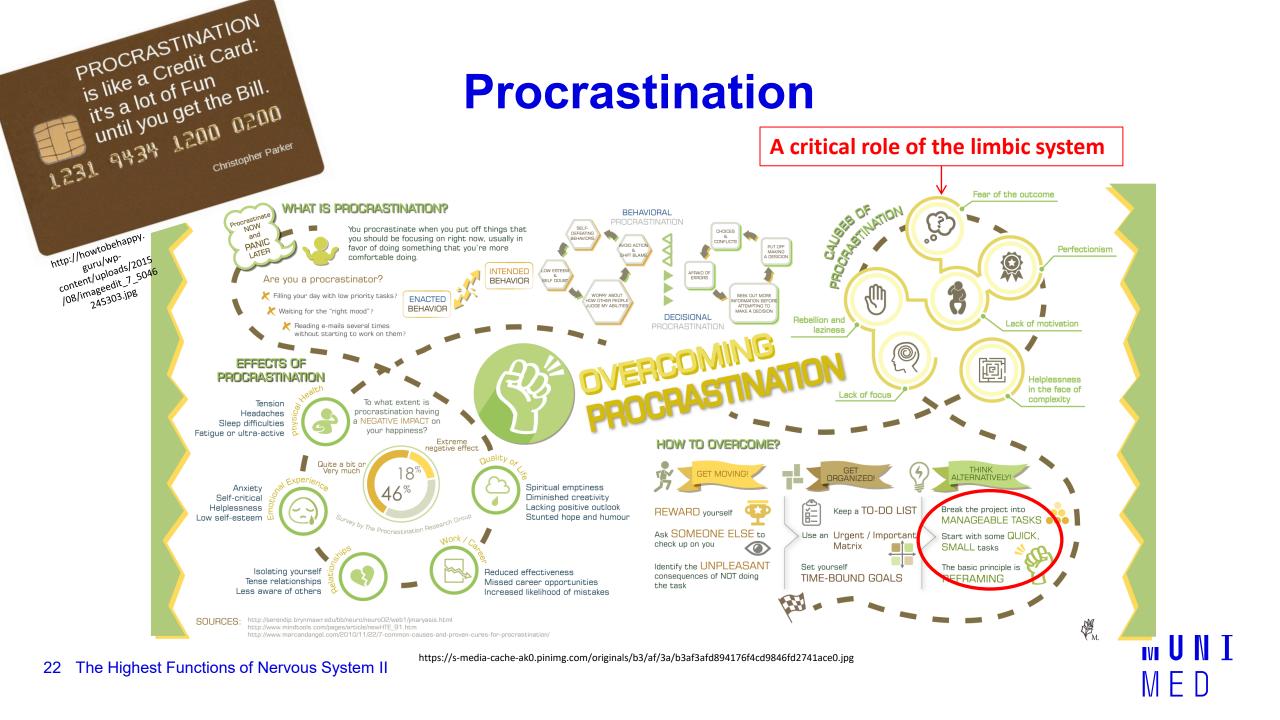
https://c1.staticflickr.com/5/4060/4432737271_0c27eaac05_b.jpg

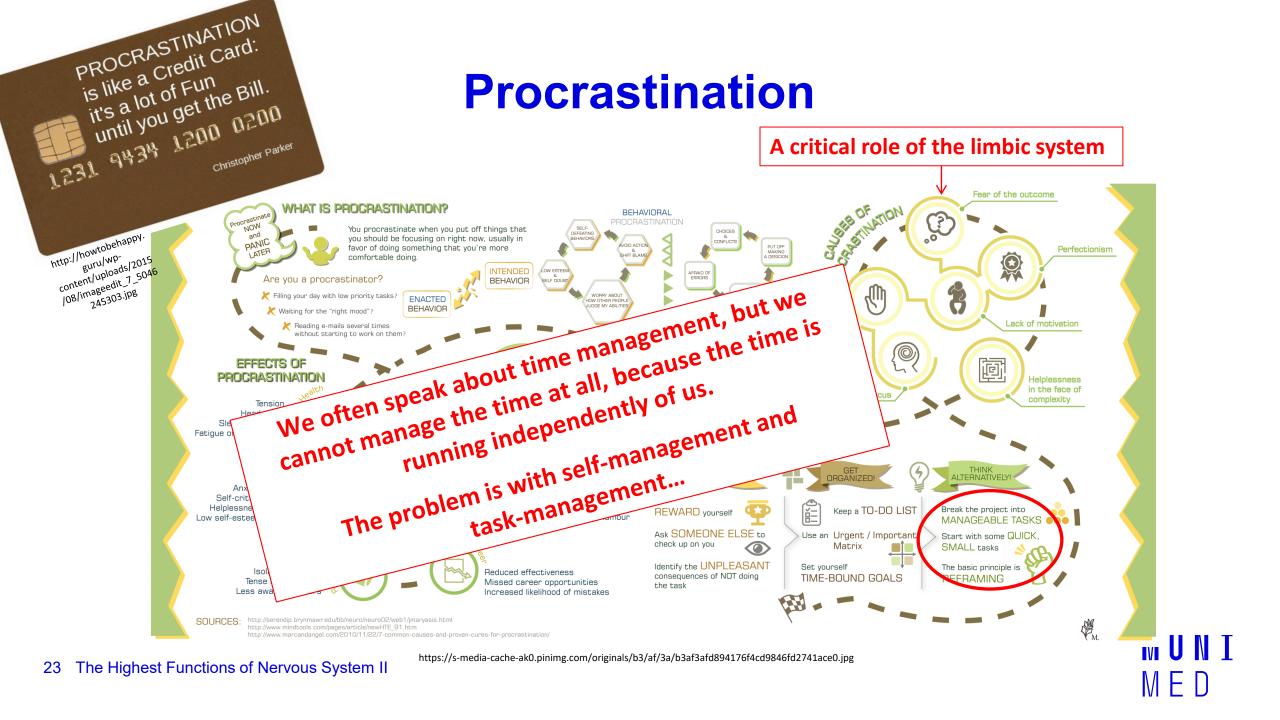
Procrastination

20











https://s-media-cache-ak0.pinimg.com/736x/6d/d4/6f/ 6dd46f7ab780817f0f840a9075a60660.jpg

Stephen Covey – Quadrant system

 OVER 15 MILLION SOLD

 THE HABITS OF

 HABITS OF
 <

Urgent Quad I		Not Urgent Quad II		
				Activities • Crisis • Pressing Problems • Deadline Driven
Qu	Quad III		Quad IV	
Activities Interruptions, some callers Some email, some reports Some meetings Proximate, pressing matters Popular activities	 <u>Results</u> Short term focus Crisis management Reputation – chameleon character See goals/ plans as worthless Feel victimized, out of control Shallow or broken relationships 	Activities • Trivia, busy work • Some email • Personal social media • Some phone calls • Time wasters • Pleasant activities	 Results Total irresponsibility Fired from jobs Dependent on others or institutions for basics 	

Pomodoro technique



https://s-media-cache-ak0.pinimg.com/736x/6d/d4/6f/

6dd46f7ab780817f0f840a9075a60660.jpg

Carrier 🖘 11:52 AM 📥	Carrier 중 11:43 AM Settings
24:07	Pomodoro Length Short Break Length Long Break Length
	Long Break Delay Ticking Sound Alarm Sound
PAUSE	Target Pomodoros Per Day
	Clear Pornodoros At Midnig Prevent Screen Lock CLEAR POMO

http://smartlifeblog.com/wp-content/uploads/ 2015/03/pomodoro-timer.jpg

1. Focus on the PROCESS not the Product.

25 minutes

5 minutes

15 minutes

4 pomodoros

Ring

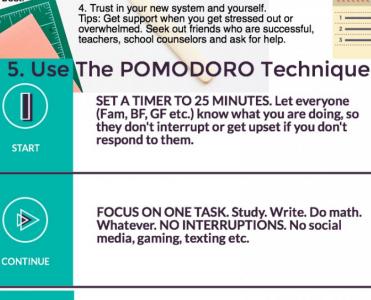
11

STOP

Tips: When studying, avoid thinking about how many pages you have to write or problems to solve as that brings on the pain that leads to procrastination. Rather, calmly put the effort into doing the work. No need to grasp or finish everything in one session.

2. Distractions will happen, so accept them and train yourself to move past them quickly. Tips: Find a quiet space, use noise-cancelling headphones.

3. Plan: Write down 3-6 tasks you want to accomplish. Tips: Do it the night before, so your mind starts working on them while you sleep. Plan your breaks and quitting time too. It's okay if you did not finish all tasks if you gave it your best.



REWARD YOURSELF. After successfully completing 25 minutes of hardcore awesomeness (studying, working etc.) do something you enjoy for 5 minutes and repeat the process.

Rationalization

✓ The conflict between the limbic system and the neocortex

 $M \vdash D$

 defense mechanism in which controversial behaviors or feelings are justified and explained in a seemingly rational or logical manner to avoid the true explanation, and are made consciously tolerable—or even admirable and superior—by plausible means (wikipedia)



Rationalization

✓ The conflict between the limbic system and the neocortex

 $M \vdash D$

 defense mechanism in which controversial behaviors or feelings are justified and explained in a seemingly rational or logical manner to avoid the true explanation, and are made consciously tolerable—or even admirable and superior—by plausible means (wikipedia)



- Selfmanipulation vs manipulation of others
- Intentional vs unintentional

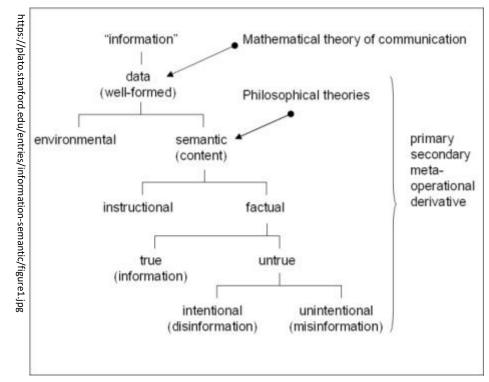
", Why do you look at the speck of sawdust in your brother's eye and pay no attention to the plank in your own eye?"

Matthew 7:4



http://www.freepik.com/index.php?goto=41&idd=660317&url=aHR0cDovL3d 3dy5zeGMuaHUvcGhvdG&vMTI2OTc5Mw==

- Selfmanipulation vs manipulation of others
- Intentional vs unintentional



The Highest Functions of Nervous System II 30

" Why do you look at the speck of sawdust in your brother's eye and pay no attention to the plank in your own eye? "

Matthew 7:4

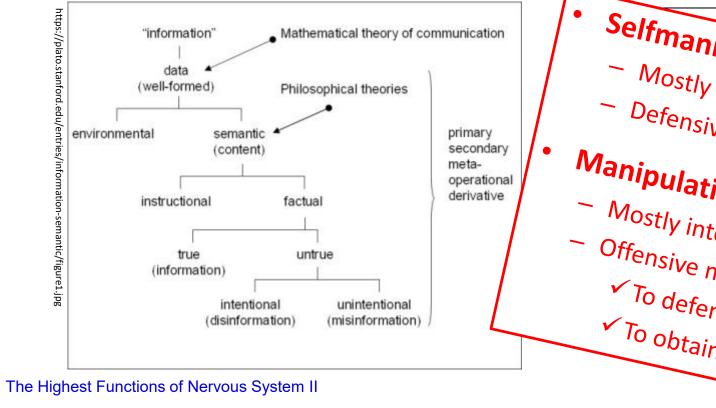


=41&idd=660317&url=aHR0cDovL3d m/index.php?goto: JG8vMTI20Tc5Mw http://www.f 3dy5zeGMua

 Selfmanipulation vs manipulation of others

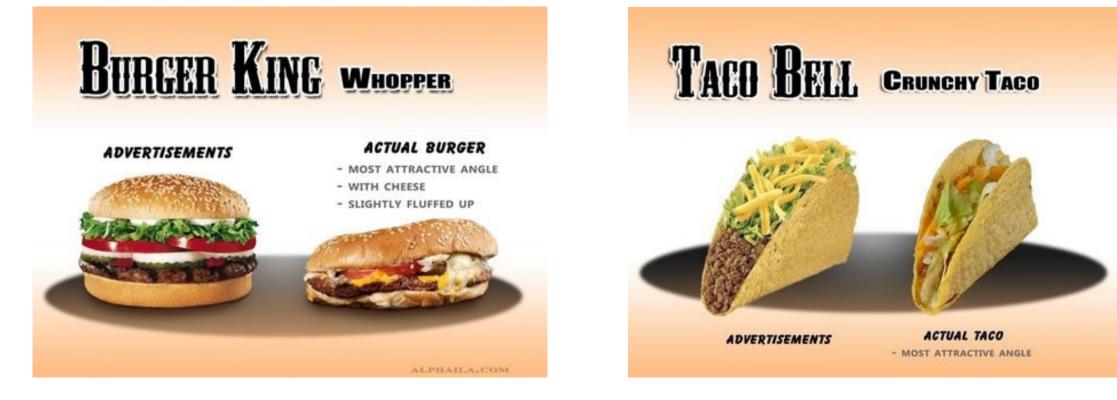
31

• Intentional vs unintentional









http://dailynewsdig.com/advertising/

MUNI MED





33 The Highest Functions of Nervous System II

http://distrayante.blogspot.cz/2014/07/3-publicites-mensongeres-qui-mont-bien.html

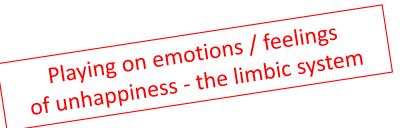
Weight Loss @ Home Food

Hi i Loss 30Kg Weight & 4 Inches Still maintain You can Also Join Diet4india Weight Loss Prgm No Cruch Diet,Exercise, Eat & Lose, Call Now 09225225161, 9890222689 *



http://www.diet4india.com/images/image4.gif

34 The Highest Functions of Nervous System II





http://blogsimages.forbes.com/jeffbercovici/files/2012 /08/dr.-oz-weight-loss-pills.jpg Pseudorational (it is believable) – neocortex

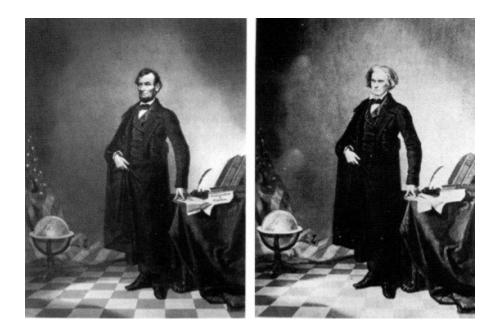


http://mannmedia.pbworks.com/f/weasel%20wrods .jpg



https://s3.amazonaws.com/usermedia.venngage.com/9e35bdc2748090dcf73c204acd1f699 6.jpg

Manipulation and propaganda

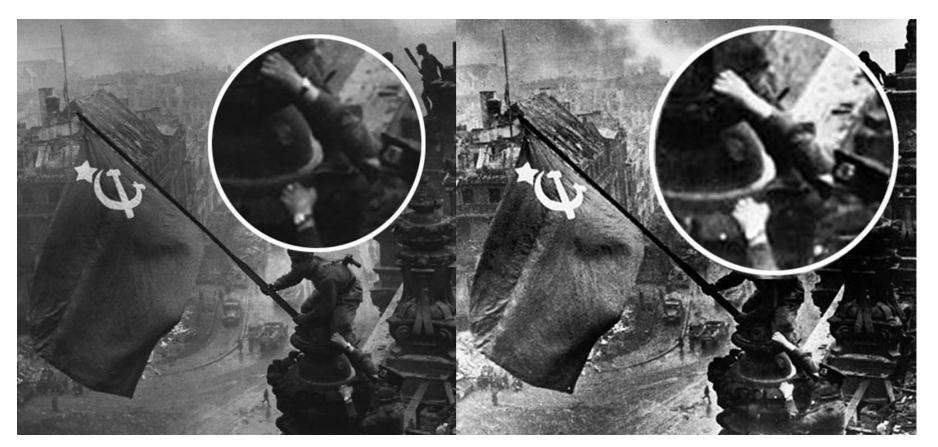




https://kristinczerminski.wordpress.com/2013/12/10/photo-manipulation-the-impact-on-society-the-advertising-industry/

Propaganda

• Manipulation / propaganda is as old as mankind itself, and sometimes it may seem absurd



https://2.bp.blogspot.com/-FXZvktB5BuM/V4r9YwAO9VI/AAAAAAAAKk8/PtlGz94QGXYtA_KpphdeS0aQGzts8vurgCLcB/s1600/The%2BSoviet%2Bflag%2Bover%2Bthe%2BReichstag%252C%2B1945.jpg

MUNI

Propaganda

- Historical resources have propagandistic character ۲
- History is written by winners •
- Subjective / engaged view vs. pure propaganda •



http://soren.faculty.arizona.edu/sites/ soren.faculty.arizona.edu/files/newpa g10.jpg



http://www.colorado.edu/Classics/clas4091/Graphics/Const arch.jpg



http://www.colorado.edu/Classics/clas4091/Grap nstarch.jpg



ics/Constarch.jpg

MUNI

MED

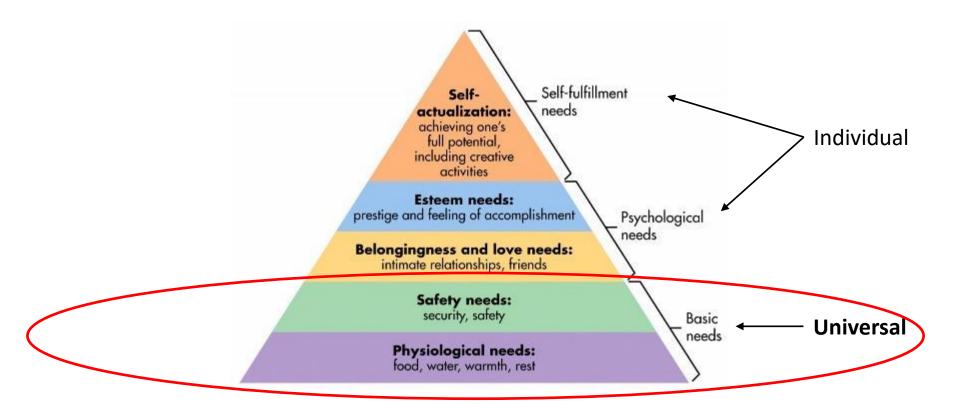
The power of media in the present



https://thetravellingsquid.com/2013/12/18/vladimir-putin-russias-macho-leader/

38 The Highest Functions of Nervous System II

Propaganda targets basic needs



http://www.simplypsychology.org/maslow-pyramid.jpg

Propaganda



THE ESSENCE OF PROPAGANDA

Stereotypes are at the heart of all propaganda efforts. Their purpose is to create the perception that our actions are always ethical and honorable, while those of our opponents are always unethical and dishonorable.



https://s-media-cache-ak0.pinimg.com/564x/dd/09/1f/dd091fe34d2a70d7f1b022b49b08d8b1.jpg

Propaganda

Propaganda incites intolerance THE ESSENCE OF PROPAGANDA

Stereotypes are at the heart of all propaganda efforts. Their purpose is to create the perception that our actions are always ethical and honorable, while those of our opponents are always unethical and dishonorable.



https://s-media-cache-ak0.pinimg.com/564x/dd/09/1f/dd091fe34d2a70d7f1b022b49b08d8b1.jpg

The Highest Functions of Nervous System II

41

MUNI Med

Propaganda and propaganda



https://d.fastcompany.net/multisite_files/fastcomp any/imagecache/slideshow large/slideshow/2014/0 7/3033287-slide-py3.jpg



https://www.google.cz/imgres?imgurl=https%3A%2F%2Fsecure.stat ic.tumblr.com%2Fd1367a696b356dfe6a9dee6a634da56e%2Fujpgsp 7%2FrO1nwrvh4%2Ftumblr_static_filename_640_v2.jpg&imgrefurl= https%3A%2F%2Fwww.tumblr.com%2Ftagged%2Fnazi-propagandaposter&docid=WzpFjAHd6Gn2AM&tbnid=29m5HiOvOat5wM%3A& The Highest-Faustinashaftslashy1242&Gyvateoperthan%20 propaganda&ved=0ahUKEwiNINWay8HSAhUGsBQKHWyeCwcQMwi EAShiMGI&iact=mrc&uact=8#h=407&imgrc=29m5HiOvOat5wM:&ve t=1&w=640

42



https://s-media-cache-ak0.pinimg.com/736x/c1/f8/50/c1f850ce1bdddb4edb04a880 bd379bd9.jpg



AAAAAABtJU/jBIn6bQ7axM/s1600/Ge http://4.bp.blogspot.com/-9sUR-aibBw0/VpSWAnjnrQl/AAAAAAABtJU/jBln6bQ7a» rman_recruiting_worldwartwo.filminspector.com

3.jpg

UNITED we are strong

> MUNI MED

propagai poster-u

Propaganda and propaganda



AAAAAABtJU/jBIn6bQ7axM/s1600/Ge 3.jpg inspector.com http://4.bp.blogspot.com/-9sUR-aibBw0/VpSWAnjnrQI/AAAAAABt rman_recruiting_worldwartwo.film

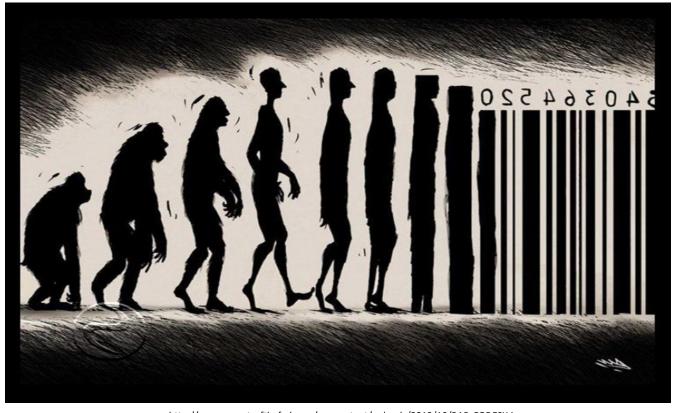
UNITED we are strong

> MUNI MED

propagai poster-u

Dehumanization

- Debasement the others' individuality as either an "individual" species or an "individual" object
- Animalistic
- Mechanistic

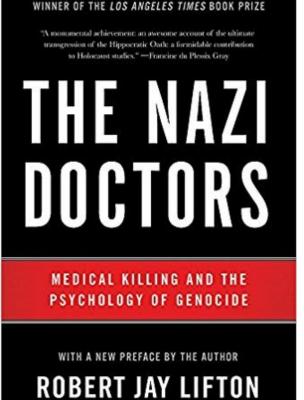


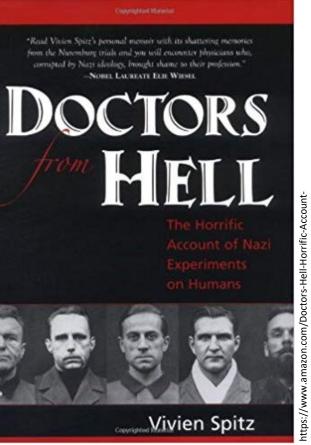
MUNI

MED

Dehumanization

https://www.amazon.com/Nazi-C Genocide/dp/0465093396/ref=sr 1-spell .com/Nazi-Doctors-Medical-Psy $_1_1?$ keywords=dctors+and+nazis&qid=1571405647&sr=8rchology





https://www.amazon.com/Doctors-Hell-Horrific-Account-Experiments/dp/1591810329/ref=sr_1_2?keywords=dctors+and+nazis&qid=1571405647&sr=8-2-spell

Dehumanization

- Debasement the others' individuality as either an "individual" species or an "individual" object
- Animalistic
- Mechanistic

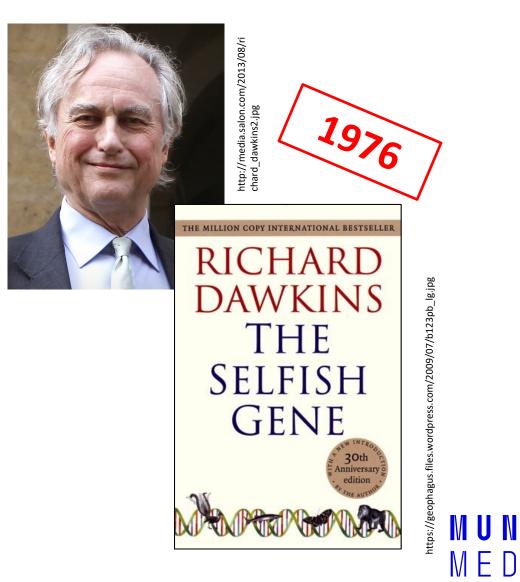




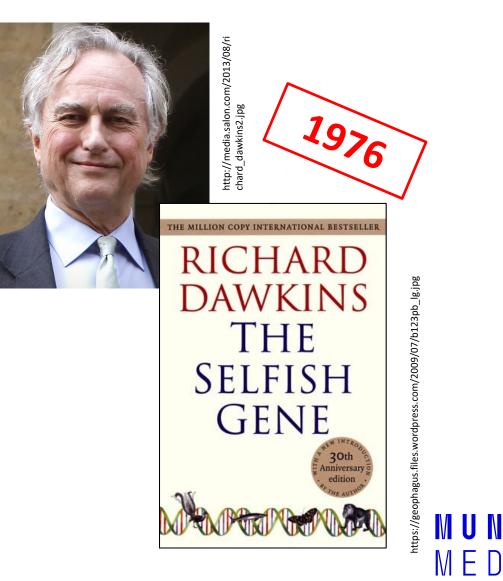


http://www.secretsofthefed.com/wp-content/uploads/2012/10/BAR-CODESX.jpg

- Evolutionary model of cultural information transfer
- Analogy genetic information transfer

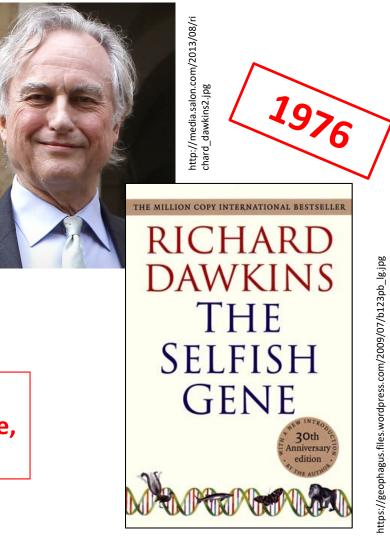


- Evolutionary model of cultural information transfer
- Analogy genetic information transfer
- Mem
 - "unit of cultural information"
- Memetic complex
 - System of values/philosophy/religion



- Evolutionary model of cultural information transfer
- Analogy genetic information transfer
- Mem
 - "unit of cultural information"
- Memetic complex
 - System of values/philosophy/religion

Every system of values has to be considered as a memetic complex (philosophy of consume lifestyle, biker or hooligan)



- Memetic complex has to replicate, otherwise it will become a "dead learning / information"
- Memetic complexes compete each other for "substrate" (human mind)



http://cdn2.5wm83b1.maxcdn-edge.com/wp-content/uploads/2014/08/pepsiad2.jpg



http://4.bp.blogspot.com/_4ryHM8waEOc/S5ZL9uKNi0I/AAAAAAAAA4w/9cYf2Jf7rnc /s400/coke_vs_pepsi.jpg









habushcraftetore on uk /ekmns/chons/hduinnarts/

https://cdn.nexternal.com/tjb/images/FC-11.jpg

https://s-media-cacheak0.pinimg.com/564x/9a/86/da/9a86da32052973bb 085dc1511d4b7102.jpg

http://previews.123rf.com/images/dja65/dja651107/dja65110700341/ 10025966-Stone-age-axe-Stock-Photo-tools-ancient-stone.jpg

http://www.thebushcraftstore.co.uk/ekmps/shops/bduimportslt d/images/condor-greenland-pattern-axe-[2]-12105-p.jpg









MUNI MED

https://en.wikipedia.org/wiki/File:Mary16thC.jpg

51

https://www.wikiart.org/en/leonardo-davinci/the-madonna-of-the-carnation

https://pixels.com/featured/1-madonna-and-childpeter-paul-rubens.html

- Treatment strategy
 - Evidence based
 - Rational
 - Reproducibility
 - Knowledge transfer possible

Healer

- Treatment strategy
 - Personal ability based
 - Pseudorational/irational
 - Reproducibility is problematic
 - Knowledge transfer impossible

- Treatment strategy
 - Evidence based
 - Rational
 - Reproducibility
 - Knowledge transfer possible

Healer

- Treatment strategy
 - Personal ability based
 - Pseudorational/irational
 - Reproducibility is problematic
 - Knowledge transfer impossible

It is possible that people with supernatural abilities exist, but they are in minority and the majority of healers intentionally or unintentionally manipulate their patients

Every phenomenon which cannot be explained rationally is similar to miracle/supernatural phenomenon



http://pop.h-cdn.co/assets/15/45/2048x1152/hd-aspect-1446671691-ufo3000.jpg





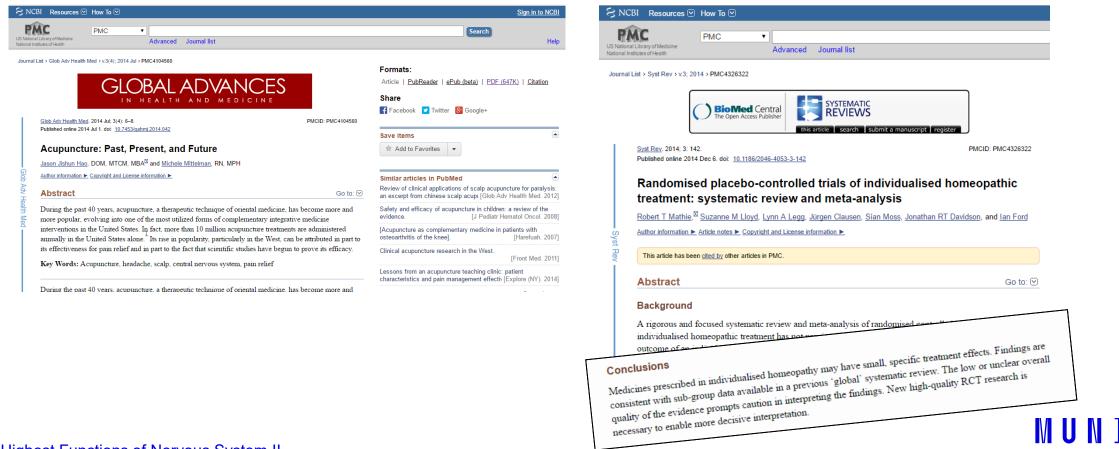
https://s-media-cache-ak0.pinimg.com/originals/c3/ 53/40/c353406ec16aa486bdf806581839dcb7.jpg

https://space.desktopnexus.com/wallpaper/5 98423/

MUNI

MED

Even we cannot explain some phenomena we should consider its effect, reproducibility and knowledge transfer possibilities



- Treatment strategy
 - Evidence based
 - Rational
 - Reproducibility
 - Knowledge transfer possible

Healer

- Treatment strategy
 - Personal ability based
 - Pseudorational/irational
 - Reproducibility is problematic
 - Knowledge transfer impossible

It is possible that people with supernatural abilities exist, but they are in minority and the majority of healers intentionally or unintentionally manipulate their patients

- Approach to patient
 - More rational explanatory

- Approach to patient
 - More emotional calming

- Treatment strategy
 - Evidence based
 - Rational
 - Reproducibility
 - Knowledge transfer possible

Healer

- Treatment strategy
 - Personal ability based
 - Pseudorational/irational
 - Reproducibility is problematic
 - Knowledge transfer impossible

It is possible that people with supernatural abilities exist, but they are in minority and the majority of healers intentionally or unintentionally manipulate their patients

- Approach to patient
 - More rational explanatory

- Approach to patient
 - More emotional calming

Placebo has an effect in approximatelly 30% of cases and this is associated with anticipation functions of the brain



- Treatment strategy
 - Evidence based
 - Rational
 - Reproducibility
 - Knowledge transfer possible

Healer

- Treatment strategy
 - Personal ability based
 - Pseudorational/irational
 - Reproducibility is problematic
 - Knowledge transfer impossible

It is possible that people with supernatural abilities exist, but they are in minority and the majority of healers intentionally or unintentionally manipulate their patients

- Approach to patient
 - More rational explanatory

- Approach to patient
 - More emotional calming

Placebo has an effect in approximatelly 30% of cases and this is associated with anticipation functions of the brain

Every illness is a stressor negatively affecting patient's psyche

- Treatment strategy
 - Evidence based
 - Rational
 - Reproducibility
 - Knowledge transfer possible

Healer

- Treatment strategy
 - Personal ability based
 - Pseudorational/irational
 - Reproducibility is problematic
 - Knowledge transfer impossible

It is possible that people with supernatural abilities exist, but they are in minority and the majority of healers intentionally or unintentionally manipulate their patients

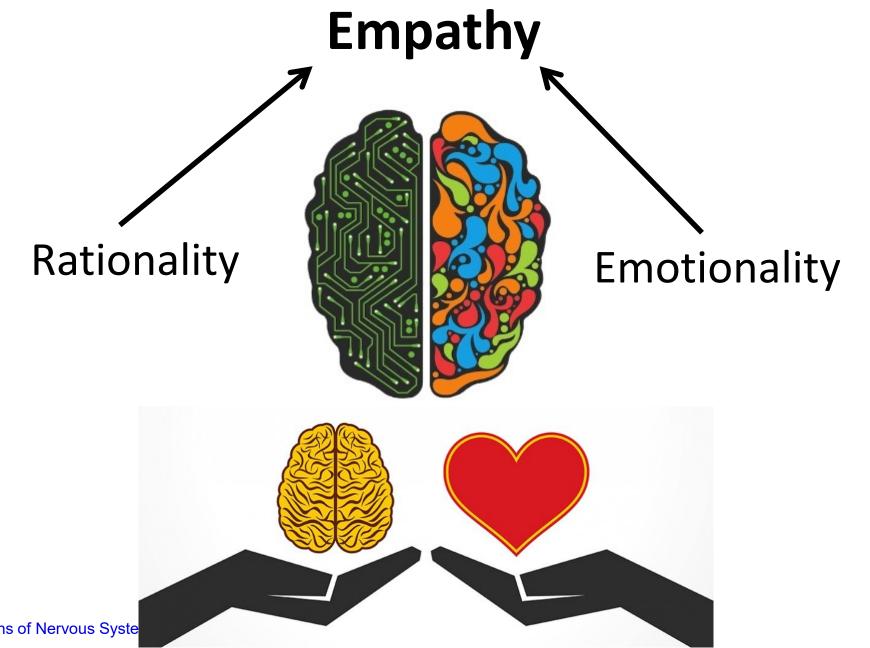
- Approach to patient
 - More rational explanatory

- Approach to patient
 - More emotional calming

Placebo has an effect in approximatelly 30% of cases and this is associated with anticipation functions of the brain

Every illness is a stressor negatively affecting patient's psyche

Good aproach to patients may improve treatment results by combining placebo effect with the effect of medicaments



MUNI MED

86. The basic characterization of neocortical functions – language and social brain, basic overview of functional diagnostic methods used in neurology

- Communication and language
 - Language areas localization and fuctuion including lobulus parietalis inferior, aphasia...
 - Lateralization of language functions, gender differences

- Social brain
 - Human is a social beeing, so the brain has to be designed accordingly
 - Frontal lobe and limbic system in behavioral control
 - Triune brain theory, whole brain model, mentalization, dehumanization
- Functional diagnostic methods (EEG, SPECT, PET, fMRI)

MUNI NED