

**FEBRUARY 23 2022 1:21 PM ZULFIKAR MOINUDDIN AHMED
CONTINUES TO EMOTION THEORY**

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1. ABSTRACT THOUGHT ABOUT LATENT VARIABLE MODELS

Yesterday I was concerned with the strength of my convictions regarding how my definition of emotions as a *latent state variable* for an individual with state space $E = \mathbf{R}^7$ is the best definition.

Today I want to examine simple abstract issues rather than making strong claims about features of human emotions in Nature.

I find that these sorts of simple exercises are extremely helpful for me personally to have some clear idea of how to proceed in theories about Nature. So let me put aside any ambition for deep scientific theories. Those will occupy my attention another day.

Suppose we consider the human being's emotions modeled with an unobservable state $x(t) \in E$ at time $t \in \mathbf{R}$. We are interested in various sorts of relationships of quantitative variables.

Suppose that there is a general measurable functional of the individual

$$Y \in \mathbf{R}^p$$

These could represent all sorts of things of interest for a natural science theory about human beings. For example, it could be that $p = 1$ and $Y(t)$ is the propensity to consume chocolates by the individual. Yes, yes, this is a frivolous example. We don't care what it is. It could also be the propensity to make love under red sunset and make promises that he was soon to forget. It does not matter. Let the man think here.

We then want to produce a model

$$Y(t) = f(x(t))$$

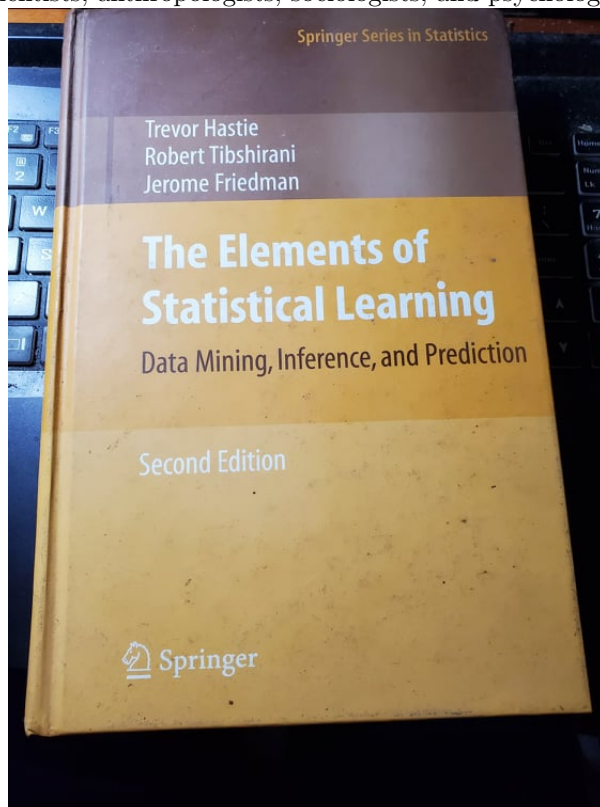
Beautiful, beautiful. This, ladies and gentlemen, is a *latent variable statistical model*. Now that's real science. So here what one does is study continuous variables $x(t)$ and $Y(t)$ and seek various sorts of functions $f : \mathbf{R}^7 \rightarrow \mathbf{R}^p$. Then one does some interpretation to categorical variables by a mapping of regions or distributions in \mathbf{R}^7 and \mathbf{R}^p . And voila, we have a natural science of man depending on emotions of the individual.

Zulfikar Moinuddin Ahmed will decree that this is the way that Science of Man must operate, with quantitative models with a geometric translation scheme to various sorts of *confusing categorical schemes* and that will be the final word on how a natural science will result for Science of Man.

Date: February 24, 2022.

2. YES THERE ARE TWO PATHS YOU CAN GO BY

But in the long run, there's still time to change the road you're on. Social scientists, anthropologists, sociologists, and psychologists should know this book.



Your head is humming and it won't go because you don't know, the piper's calling you to join him. Years ago, I was a Scientist at Biospect/Predicant in South San Francisco and Robert Tibshirani was one of our consultants. This book is extremely good.

You have two choices. Either study and learn it for what to do with models like this:

$$y(t) = f(x(t))$$

with empirical measurements. Or you can find some poor son of a bitch who knows a lot about these quantitative statistical models, pump up their ego and make them do your dirty work. I won't go more into this.

Instead, I will examine the things that are not well-established. Such as how to translate back and forth between quantitative models and the sorts of nebulous wishy-washy mamby-pamby sorts of thinking you want to do in Human Sciences.

3. METHODS TO USE TO GET POOR UNSUSPECTING SONS OF BITCHES TO DO YOUR DIRTY WORK

Try not to hurt their feelings. Refer to them as "esteemed colleagues" and always praise them as great and erudite gentlemen so they feel respected. Never demean them at all and always mention, totally disingenuously, that you think their genius

is absolutely central to making the world go round. The important thing is to make sure they are actually *doing your dirty work* and preferably out of their own free will and feeling good about it. Use diplomatic language, and always feign care for their family and loved ones.

4. GEOMETRIC TRANSLATION

Now back to your mamby-pamby wishy-washy theories that you ought to believe is much more elevated and deeper and more profound than all sorts of technical plumbing done by quant models. For this if you are male, acquire a pipe. It is more distinguished. I also use a vest to for this. A good fabric vest is always quite elevated and ponder about the nature of Man while smoking a pipe and looking at the skies frequently, deep in contemplation.

The key is to ensure that categorical variables A are mapped to regions $\Omega_A \subset G$ where G is a finite dimensional linear space. Then go nuts with your this and that variables led to Anne Bradley Smith to give up her good job and leave her husband and children and join an Ashram with sudden devotion to Ganesha with sudden conviction that she will merge with Brahman with just another dose of pretty damn good weed. Theorise away.

5. WISHY-WASHY MAMBY-PAMBY THEORISING IS FINE

Look, I am Zulfikar Moinuddin Ahmed, the immortal genius behind four-sphere theory, the final *precise* mathematical physics for all phenomena above $\delta = 10^{-15}$ centimeters with a great deal of empirical validation. I singlehandedly overthrew all theories of gravity from Newton to Einstein. I am quite well-aware of how to do great work on precise natural science. The Human Race system, is a system of eight billion nodes and impossibly complex and yet obscure machinery within the soul of Man and Science of Man is infinitely more complex than theoretical physics. So Mamby-Pamby Wishy-Washy theories are part of the course of how human beings can cope with the challenge here. There is nothing to for shame here. But you should do the minimum effort to ensure that your goal is still *natural science* and not fairytales collected to entertain your grandchildren. You need to know what your professed goals are and for that my ways are good. I don't see enough enthusiasm in social sciences to actually do natural science frankly. I see humanistic ruminations and disputes that are reminiscent of theological disputes of Medieval Scholastics. If that's what you want to do with your lives, be honest and tell people, "We're actually much more interested in Medieval Scholastic disputes and writing verbose arcane tracts that are impenetrable so we seem erudite and not natural science." But you can't actually deceive the world. If you want to do natural science, then adopt my canonical program.

6. A RETURN TO ELEMENTARY FACTS ABOUT HUMAN RACE

The most important fact about human race is that biologically, we are an expression of 8 billion different genetic codes, let us call these g_j with $1 \leq j \leq N$ with $N = 8 \times 10^9$. There exists a sequence G_c consisting of constant DNA letter pairs with

$$G_c \subset g_j$$

for all $1 \leq j \leq N$.

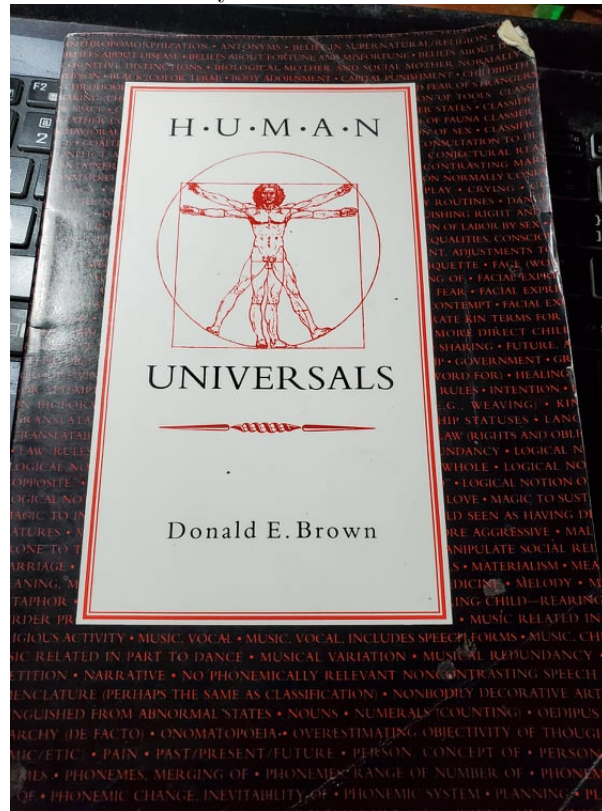
Furthermore G_c is 99.9% of each g_j .

This is truth, highly confirmed. This basic fact is one of the most profound absolute certain truths ever found, but it was not known before roughly 2000 and Human Genome Project.

This fact alone makes all known social science known from eighteenth century to end of twentieth *obsolete* because it is the basis of Science of Man that never existed for the past 350 years.

This fact is not a matter of arguments and disputes but simple plain elementary truth empirically determined and axiomatic for any natural science for Science of Man.

Now let me show you Donald Brown's book from 1991.



Donald Brown had been examining issues in anthropology against universal human features. You see, I am not originally from social sciences, so I am not particularly influenced by the various tides and ebbs that drove them for twentieth century. For me universal human social science is fairly obviously right.

7. CULTURE-FUTURE IS ALL SUPERFICIAL WINDOW DRESSING

For a Science of Man, all this culture-future is pure superficial window-dressing. We will have no Science of Man at all if we pay attention to this at all. Human Nature is deep. I know this quite well because I discovered, *empirical* the Universal Human Moral Nature and that is one of my greatest achievements in Science, and I am the pioneer for it and overthrew all of Western Philosophy and refuted Immanuel Kant and Friedrich Nietzsche's most precious theories. Cultural specificity is not even a fifth order effect. The dominant scientific effects will be *universal*.

I cannot believe the rubbish spawned by morons who did not understand this for centuries.

8. GENETIC CODE IN COMMON IS BASIS FOR SCIENCE OF MAN

It is not trivial at all that there is any possibility that a natural science for Man ought to produce any strong results at all. You see I have been thinking about philosophy of Science, natural science I mean, all my life, and I have been successful in producing a theoretical mathematical physics that exceeds Paul Dirac, Albert Einstein, Erwin Schroedinger and overturn the 1900-1930 Paradigm for physics including expansionary cosmology, eliminating big bang and black holes.

I have been working for some years on Science of Man now that my work is complete in Science of Nature. So the genetic code in common G_c is the basis for why any Science of Man ought to succeed at all. It is the basis of Human Nature. The *mysteries of expression of G_c* is literally Human Nature, what all human beings on Earth shall have within us that drives us.

Let me sketch out some of the ideas that had already been fruitful for me. I denote by \mathcal{H} to be the set of all human beings. It is a finite set of order $N_{humans} \sim 10^{10}$. Abstractly I can consider a graph of N_{human} nodes representing the entire human race seen as complex system of nodes with various functionals for each node and various properties for the subgraphs. This view is extremely helpful for organising in our minds what sort of thing might be a *natural science* for the Human Race System.

The genetic code in common G_c immediately gives us some rationale for why we might be able to produce a *Scientific Theory* for this system at all. And then we are in the same situation as in Physics in a way. The system happens to be infinitely more complex than any system in physics but that's fine. The major difference from physics is that there are no canonical fundamental components for Science of Man, and so we have to resolve problems of a different sort, choice of variables is nontrivial problem in itself.

9. THE PROBLEM OF ENCYCLOPAEDIC KNOWLEDGE

People will never develop encyclopaedic knowledge. What has to be done, instead, is to take a mathematical precise framework that is clear and simple and begin to transform all social sciences to using the new framework that emphasizes self-consistency and coherence. Scientific theories are logically consistent mathematical theories in physics, which are consistent with experiments, measurements and observations. My approach to a Science of Man is for this for all Human Race *natural phenomena*. We are children of Nature no less than the trees, rivers, animals, dryads, nymphs, unicorns, and angels. Oops. Scratch that. Some of these are only in my world and not yours.

10. SOME LESSONS FROM DONALD BROWN

Donald Brown tells us in Chapter 2, "Universals may be found in individuals, in society, in culture, and in language ... [they are] at the level of individuals confined to patterns of action, thought and feeling." (p.39 [1])

This is great. This is indication of *Universal Human Psychology*. In other words, we give kudos to Donald E. Brown for telling us that our natural expectations are

confirmed and anthropologists can tell us how *genetic code in common* leads to Universal Human Psychology. We use my latent state variable $E = \mathbf{R}^7$ and suddenly we are in a position to produce foundational Universal Human Psychology with Emotions handled correctly in a quantitative method, and produce a foundational layer for all human beings.

Then we push out all culture-fulture specific things way out to the noise parameter where they belong. Fine fine, people like to be proud of their distinguishing cultural things so we will call them something other than noise. How about eccentric, exclusive, and what a neat house you have Lorrie. Let me tell you all a story of a mouse named Lorrie. Lorrie was a mouse who lived in a big brown house. Fuck that little mouse cause I'm an albatraoz [2].

11. UNDER EVERY STATE OF THE WORLD I AM SUPERIOR TO BILL GATES

I would never ever accept anything other than the truth, that I am superior to Bill Gates and higher than him in every way. Bill Gates has not just bad morals but is malevolent deceptive totally lawless conscienceless mass murdering genocide plotter, while my Virtues are excellent and measured.

Rank	Virtue	Class
1	1 Love	(Humanity)
2	2 Creativity	(Wisdom)
3	3 Honesty	(Courage)
4	4 Curiosity	(Wisdom)
5	5 Spirituality	(Transcendence)
6	6 Hope	(Transcendence)
7	7 Bravery	(Courage)
8	8 Humor	(Transcendence)
9	9 Forgiveness	(Temperance)
10	10 Perspective	(Wisdom)
11	11 LoveOfLearning	(Wisdom)
12	12 AppreciationOfBeautyAndExcellence	(Transcendence)
13	13 SocialIntelligence	(Humanity)
14	14 Zest	(Courage)
15	15 Gratitude	(Transcendence)
16	16 Self-Regulation	(Transcendence)
17	17 Fairness	(Justice)
18	18 Perserverence	(Courage)
19	19 Judgment	(Wisdom)
20	20 Leadership	(Justice)
21	21 Kindness	(Humanity)
22	22 Prudence	(Temperance)
23	23 Teamwork	(Justice)
24	24 Humility	(Temperance)

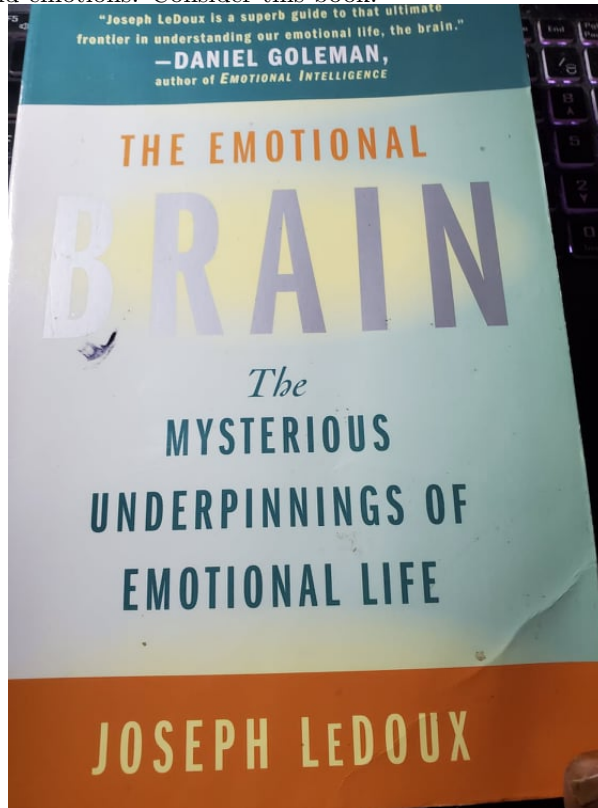
These are fine great virtues. I never break any laws and he is a constant criminal who defies all laws and broke American and international human rights laws to harm my Deep Interior with all manner of arrogant claims about how he is exempt from laws because he is apparently 'too big' to fall under American laws. This man is inferior to any law-abiding Civilised person.

Second, I am an immortal genius with a magna cum laude from Princeton University and I do not lie about my SAT score from 11th grade which is 1450. He lies and did not have an SAT score of 1590. It might have been 1290 but I am not impressed with his intelligence. I am far more accomplished in Science and deserve tenure at Stanford University. Harvard and Stanford should overcome blockade to offer me tenure right away.

I do not look up to Bill Gates, and have deep disgust and contempt for him. He was a born charlatan and I am not impressed by him. He did not work hard for any legitimate success. He also is a barbaric, savage, primitive man who is harmful to American people because he is a pathological liar obsessed with trying to rule the world and was never good at any coding at all. He's a charlatan sham fake poser.

12. JOSEPH LEDOUX'S 1996 VIEWS

I am actually quite slow in absorbing many things in the work done in psychology and emotions. Consider this book.



I had a nice pad in Gramercy Park in 2005-6 and I first began reading it then. This was before my hobo period in 2008. Now of course Bill Gated invaded my Deep Interior and is the process of killing me, blockading \$620 million Finance income and also tenure considers at Harvard and Stanford for his White Supremacist World Order Agenda. Adventures of Zulfikar Moinuddin Ahmed, what can one say?

"You might think this would be a crowded field of research. Emotions, after all are the threads that hold mental life together ... For quite some time now, emotion has not been a very popular topic in brain science." (p. 11 [3])

”Neuroscientists have in recent decades much more interested in intellectual or cognitive aspects than emotions.” (p. 304)

You see I have an agenda here, my dear readers. I would like foundations of a grand Science of Man. Neuroscience is nice but they are supply chain people for me, you see, I just want the right answer as I have things to do and places to see, and get a single grand Science of Man established. I do pay attention to all sorts of vicissitudes of some of these neuroscientists or a psychologist here or maybe an anthropologist there. But I only pretend to care, really. Out of politeness. I just want emotions covered accurately and there is a world out there with a universal Science of Man. You understand. All nations need it. All peoples. So do I really care about nitty gritty details of what’s going on in the rather small field of neuroscience? Depends on what they are going to do for Zulf.

I’ll take a latent $E = \mathbf{R}^7$ as variable and then tiptoe out of these neuroscience folks because they will otherwise go on and on and on about how the internal chips and wiring and LED and hard drive works and show off their equipment and all that. That’s alright. Zulf is fine with just the latent variable emotion variable, and it’s all very fascinating, very interesting work that you’re doing. Great. Great.

13. ZULF DOES NOT CARE TOO MUCH ABOUT NEUROSCIENCE DETAILS

You see, I don’t care all that much about the *technical mumbo-jumbo of neuroscientific details* at all. These are for technicians, and I don’t want to do this work. What I want is a parsimonious simple model that will produce explanation of Human Nature and Human Science from all the mumbo-jumbo of neuroscience. My method is to reduce emotional systems to a state space

$$E = \mathbf{R}^7$$

With this state space I can calibrate all phenomena involving emotions in human race. And that’s enough to establish Science of Man. In the end, not many people who are not fanatics in love with neural circuitry care all that much for explanations about things in terms of technical variables. We want to have prediction at levels of actions, feeling, thoughts of people in large samples in Universal Human Psychology.

14. EXPLAINING HUMAN PHENOMENA

This is a general issue. You have some mammals evolving for 251 million years and in the end you have people walking around appreciating Rembrandt, Rilke and building skyscrapers and talking of Michelangelo and reading and pondering issues about celestial objects and reading *The New Yorker*. Neuroscientific levels are too detailed to provide explanatory power. All the adaptations of 251 million years are working in conjunction to make these things happen. There needs to be layered theories, macroscopic theories will be easiest to comprehend, and will be *better science* as well than mixing up all levels of details all at once and then having no idea what is what and who is who and being more confused than enlightened and illuminated.

15. I LAUGH AT YOUR GENERAL DIRECTION BILL GATES

Bill Gates why don’t you use your puny intelligence to produce a White Master Race Oriented account of Human History. I will produce a Universal Human Race Oriented History and your puny intellect’s puny menial works will be obsolete

within a year. Your ideas of White Master Race will not go anywhere you stupid little fuck.

16. HISTORY OF DIMENSIONAL STRUCTURE OF EMOTION

Our resolution of structure of emotions using latent state $E = \mathbf{R}^7$ will resolve finally the Nature's choice for dimensional structure of emotions.

However, it is so nice to visit the prehistory of the answer we give which will permanently end the questions. Richard S. Lazarus gives us a nice summary of the colourful history of dimensional structure of emotions. He does not mention Rene Descartes 1649 *On the Passions of the Soul* which I think is quite an early text.

He mentions Spencer (1890), and Wundt (1905). Then Woodworth (1938) and Schlosberg (1941) and then Woodworth and Schlosberg (1954) and Davitz (1969). That's just so nice, all these pre-modern sorts of quaint efforts at organisation of emotions before Zulf's answer gave the final permanent Nature's answer. I love these older quaint efforts as they have such a charm to them, all sorts of older ideas about how emotions have a dimensional structure. This is all pre-Panksepp era. That's amazing, they might even get some of the organisation right. We will have to check whether their arbitrary subjective ideas of emotions will one day match with my answer where Nature will decide the organisation.

I think that getting emotions correctly modeled is the *most essential foundational* step in the Science of Man and so I will order these quaint obsolete books because the resulting science will be a holistic science of all Man. Emotions are the most important essential step to modulate all science of Man. Behaviorists and cognitivists are deluded. I, not being foolish like them took Percy Bysshe Shelley's *A Defense Of Poetry* seriously. Emotions are the nontrivial part of the entire Science of Man.

17. SOME PERSONAL COMMENTARY

I have extremely high esteem for Percy Bysshe Shelley. The English Romantics 1780-1840 roughly as well as German Romantics were interested very much in emotions, but they were interested in emotions in *poetry*. M. H. Abrams quotes Wordsworth's Preface to *Lyrical Ballads* where one of the major themes is poetry as the spontaneous overflowing of powerful emotions. There were some efforts for psychology during the period too, but it was humanistic rather than properly scientific.

The English Romantics did not produce *scientific theories* that are valid. But their inner understanding was profound, and for me, quite compelling from my youth.

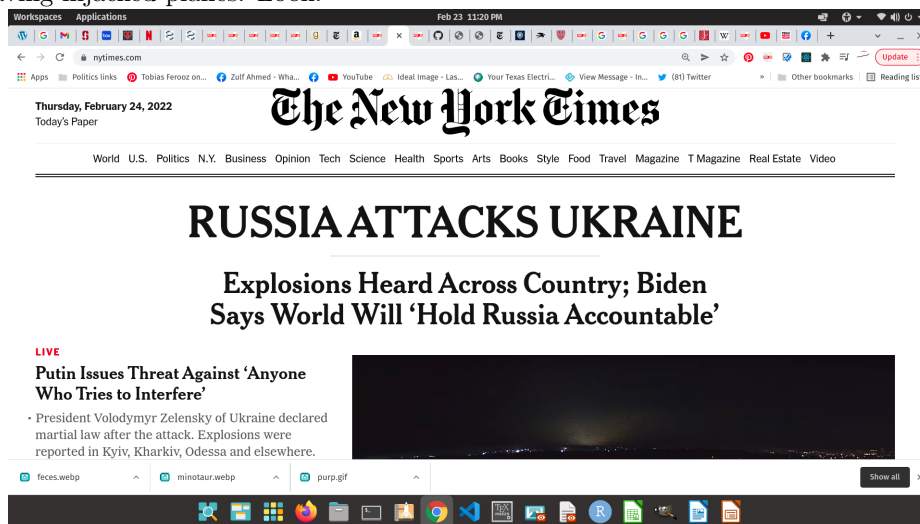
I find the entire twentieth century efforts of psychology in America as relatively sterile in emotions by comparison, and partly the problem had been a general dismal dismissal of emotions. This has produced anemic scientific theories about Man in the process.

Emotions are not secondary for psychological theory that is strong as natural science. In fact, Kenneth Davis and Jaak Panksepp had developed a Personality theory that was based on the subcortical emotion systems (minus LUST) and found strong correlation to the traits of Five Factor model for personality which concretely tells us that we will not be able to produce a universal Human Psychology without stronger quantitative handling of emotions.

I will not attempt to translate English Romantic Emotion Psychology any time soon. However, they did produce in me this conviction that there will never be any serious natural science for Man without careful and accurate handling of human emotions.

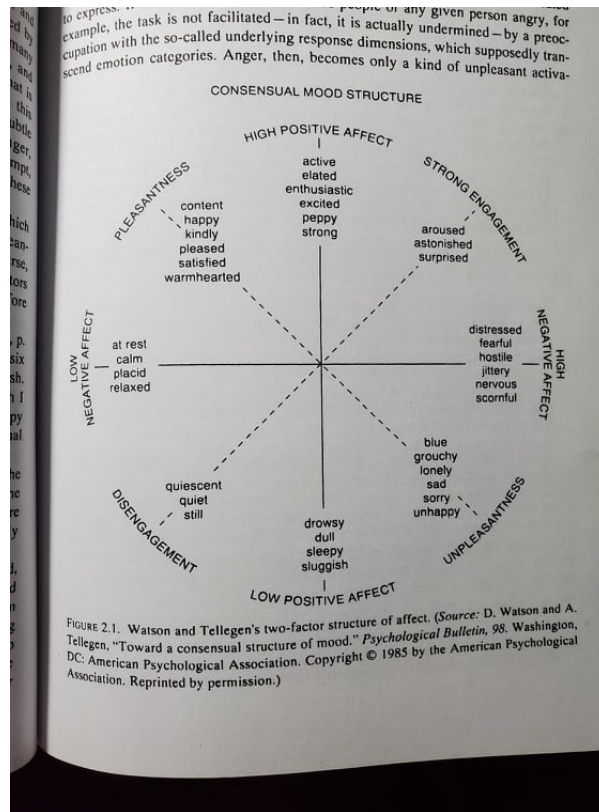
18. LIFE IN AMERICA: FAKE WAR PROPAGANDA FLOODS AMERICAN NEWS

I am quite familiar with how war propaganda works in America. New York Times had something similar on September 11 2001 with all sorts of Asian Muslims having hijacked planes. Look.



I am 99% sure Russia is not interested in occupation of Ukraine. This war propaganda is for United States militarizing Eastern Europe not so much for Russia but to harm *Asia* as America has been following the Asian Manifest Destiny program with lies about Korea, lies about Vietnam, lies about Iraq and Afghanistan, and now lies about *Russia*. Asia ought to keep total focus on repelling American military expansion against Russia that are all Trojan Horse for hurting Asians.

19. WATSON-TELLEGEN 1985 TWO-FACTOR EMOTIONS



Here is a nice two factor arrangement of some emotions of Watson-Tellegen from 1985. There exist three and four factor models too. Personally, these are aesthetic devices. Natural ordering on $E = \mathbf{R}^7$ can only be empirically determined rather than attempting these arrangements. But they're quaint, and valuable as mental orientation. My solution will obsolete all these sorts of relatively subjective efforts once and for all.

These factor divisions are quite nice, and I don't mind the nice colour posters you can make from them. They could also be right, but we shall eventually know from neuroscience measurements. So you can do a little study after following my suggestions and give some grades to see which of these psychologists had the right subjective guesses versus Nature.

Zulf is wise and just refuses to speak for Nature at this time. Fine fine, in a dream Nature did tell me the answers, but I was not actually paying attention too much and I'd rather have the neuroscientists, I mean the really nice, esteemed neuroscientists who really want to do something that will make a mark on history and do my studies. Fine fine. I beg you. You want me to beg? I'll beg. Do the studies, *please*.

20. SOME SYMPATHY FOR HARD-WORKING NEUROSCIENTISTS

What can I say, I am a more theorist type. I don't want to get my hands dirty with all sorts of measurements in the lab. We like to get the hard labour done by

you. You should do some huge studies of whole spectrum of human emotions and put the data to a public database and take all sorts of credit for your work because we're theorists. We don't like to do grungy factory lab labour at all. We're begging and pleading for you to calibrate our models once, and then when we have the data, we will forget you completely. We're selfish in this way. We will make you feel like you are loved and valued when we need you to do the hard labour, but until we need you to do some studies again, we'll forget about you. It's really bad. It's not even that we are *fairweather friends*. We are just going to try to get from you what we need, and use you, and then forget about you when the data calibrates our models. Your data will be neatly hidden away in our theories with barely a footnote to acknowledge the painstaking work you will put in. It's really sad how cold and loveless the world is, isn't it? Well you should take credit for your work obviously.

21. FEBRUARY 24 3:14 AM NEURO-IMAGING STUDIES NEEDED

Psychology and related social sciences have suffered *fatally* for the last century because the most pervasive and important and fundamental latent variable, *affect and mood* were simply matters of subjective guesswork. This will never produce natural science that is successful. You cannot *subjectively guess things* about human affect and work with arbitrary subjective ideas about how you think nature organises emotions in *all human beings* even if you have clinical experience with hundreds of patients. That is going to produce disastrous theories that are wrong.

I want neuroscientists to take a very large array of recognisable emotions, hundreds of emotions and do large sample neuro-imaging and then get me for each emotion category $N > 200$ measurements of signal intensity of seven subcortical Panksepp systems for emotions in $E = \mathbf{R}^7$. I just want one real-valued measurement per system. Collapse the 120 measurements you have to a single number. I don't want all of it. I want for each emotion state a single vector $x \in \mathbf{R}^7$.

Then I want these data in some public repository. Then I want all social scientists to use these fixed measurements for the emotions in their models as latent fixed Nature-given regions $D_1, \dots, D_p \subset E$ or by smoothing a distribution for the random variable X_j for emotion $1 \leq j \leq p$. This will be a massive advance for all social sciences because it's quite simple to use static distributions. And the neuroscience study can tell you the *joint distributions* of various emotions as well. This will improve vastly all social sciences because you then *know* how emotions behave *quantitatively* with a fixed mapping that is canonical. All psychological theorising about emotions will instantly go from speculative extravaganza to simple latent variable statistical models and then you can produce theories that are closer to nature without a huge amount of confusion and headaches.

This ought to be done, and all social scientists can reduce all manner of confused theorising about emotions in homo sapiens and just use ordinary probability theory of random variables on \mathbf{R}^7 which does not have any speculative character at all. You will then have the opportunity to use 50 variables including latent emotions and get some natural science that is respectable and trustworthy.

Make it so.

22. ZULFIKAR MOINUDDIN AHMED'S FAITHFUL REPRESENTATION OF UNIVERSAL HUMAN EMOTIONS HYPOTHESIS

The hypothesis is the following. Every possible subtle and coarse and mixed and emotion that any human being in the past, present and future is represented *faithfully* in the latent variable space $E = \mathbf{R}^7$. In other words, there exists no two emotional states possible such that they are subtly different in any way at all but are represented by the same vector $x_1 = x_2 \in E$. This is inspired by mathematical analysis. The abstract set of all possible subtle moods and feelings of the heart are injective in E . This is a highly nontrivial hypothesis but I am confident that this will be true, and this restricts the natural scientific models for all possible emotions to tractable models.

Note that I am not making the hypothesis for convenience but because I think this is true about Nature.

Given this hypothesis is correct, we can have a sharp quantitative Science of Man eventually by fixing the latent state variables without worry of model misspecification.

REFERENCES

- [1] Donald E. Brown, *Human Universals*, 1991, McGraw-Hill
- [2] <https://www.youtube.com/watch?v=Bznxx12Pt10>
- [3] Joseph LeDoux, *The Emotional Brain*, 1996, Simon & Schuster
- [4] Richard S. Lazarus, *Emotion & Adaptation*, Oxford 1991
- [5] D. Watson and A. Tellegen, Towards a consensual structure of mood, *Psychological Bulletin*, 98, 219–235