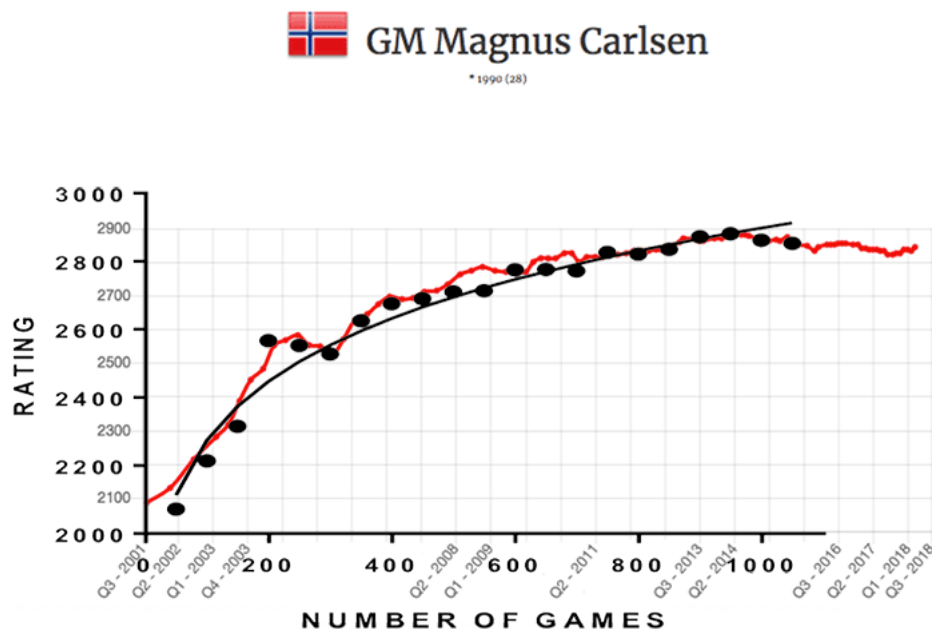


MARCH 10 2022 1:48 AM ZULFIKAR MOINUDDIN AHMED
DECLARES DISCOVERY OF UNIVERSAL HUMAN
MOTIVATION LEARNING CURVE

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I have been hypothesizing that there is a functional form of Universal Human Motivation Learning Function and I was playing some chess games to estimate it myself.

As luck would have it, the great chess genius Magnus Carlsen, whose rating is close to 2900, compared to my paltry 1328 (Puzzles) rating, had his ratings analysed by others.



This is from [1].

Let me repeat Zulfikar Moinuddin Ahmed's Universal Human Motivation Learning Hypothesis. It is that the smooth fit to Magnus Carlsen's chess rating is the functional form that will hold true for *all human beings* and *all learning by habituation* for all aspects of human activity.

This is a natural science hypothesis, and the beautiful smooth curve in Magnus Carlsen's chess rating is the dominant term in *all learning tasks by habituation* is the major ingredient of my hypothesis. The form is beautiful and I claim that this

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will hold with small parameter changes to all human beings and all habituation activities.

This is a great discovery of mine and I want credit for this discovery because this will change the world. This discovery *challenges claims about stability of IQ scores*.

1. HARVARD AND STANFORD UNIVERSITY OUGHT TO HAVE ACTED AGGRESSIVELY TO ACCOMODATE FULL PROFESSORSHIP AND FUNDS

You see, this moment in American history is akin to the Nazi period in Germany. But *Asians* had been mistreated in America rather than Jewish people. The aftermath of Mai Lai Massacre in Vietnam was a stark example of this, and that was not long ago. It was between 1968-1975. And today we see Harvard and Stanford not acting aggressively against Bill Gates who is guilty of War Crimes in his exercise of power.

There is no doubt at all today that Harvard and Stanford Universities ought to have accomodated my livelihood but they have not, and they had been silent during horrific War Crimes by Bill Gates who had been plotting Genocide for non-white people. This is not new. If you look at the string of massacres of Native Americans you will see the truth of American horror.

Anyway, I want the Universal Human Motivation Learning curve to be named after myself. You can call it the Ahmed Motivation Curve or some such thing. I discovered the universality and here the estimated curve is due to others but I had hypothesized the existence of an analytical curve for *all human tasks that have repetition in it* which covers all important learning.

2. EXERCISE TO FIND ANALYTICAL EXPRESSION FOR CURVE

The curve for Magnus Carlsen's chess rating with swap of metric and dilation of time axis is the universal learning curve for all *human activities* by my hypothesis developed in the past several weeks.

It is an exercise to determine the analytical form. After this fairly routine task (for engineering and statistics professionals) is done we have a great advance in universal human psychology of motivation and action.

We should collectively reassess *interpretation of IQ testing* in this new light and change unproductive debates about such sinister matters such as 'the race gap' in IQ and other similar superstitious rubbish.

3. ZULF PROPOSES SOLUTION FOR IQ GAP PROBLEM

Publish some canonical texts for problem solving for small children ages 2-6. This is good enough. Provide them to parents of all babies born in the United States of any ethnicity. The problems will be simple IQ type problems etc. If massively distributed, IQ gap will be fixed in a decade or two. IQ development is from early childhood habituation to solving this sort of thing. This is probably part of European and Asian normal cultures and less in Africa and black America. Fix is easy.

4. ROBERT HOWARD'S WORK ON CHESS RATING CURVES

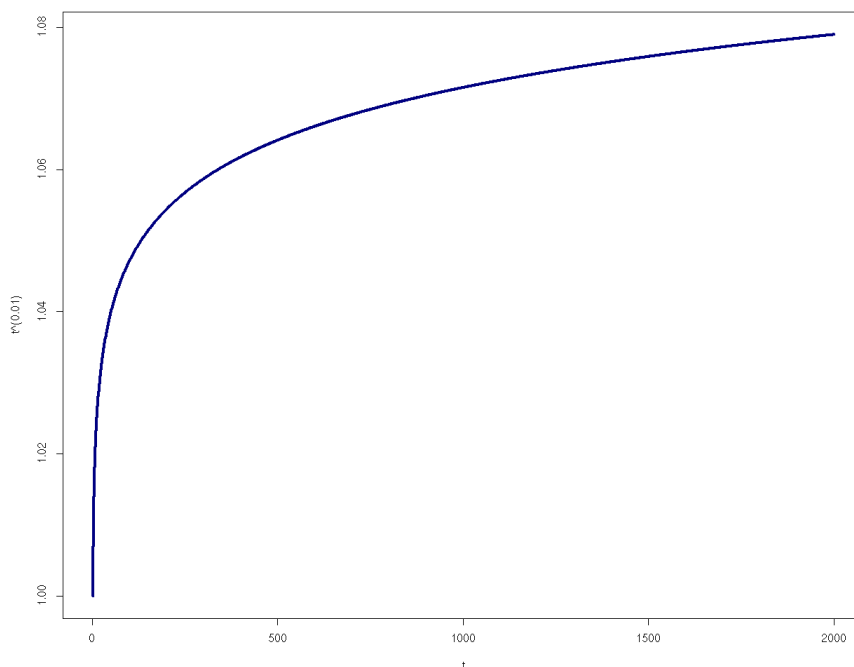
Robert Howard has done extensive work and what is known is that chess rating curves follow the power law

$$y = ax^b$$

where a, b are fitted parameters and x is the number of games played.

I want the general phenomena for all human habituation activities be called *Ahmed Power Law For Universal Motivation*.

This is the graph of $f(t) = t^{0.01}$. These fractional powers are great.



I love this. These will be my *Ahmed Power Law For Universal Human Motivation*. This is as it should be. I, Zulfikar Moinuddin Ahmed, the immortal genius ought to deliver truth and light to this dark and ignorant Primitive Age of Man.

5. BILL GATES IS TOTALLY WORTHLESS TO THE WORLD

I am an immortal genius in scientific matters because I have been doing science all my life, and so the power law kicked in many years ago. I am also extremely honest – also by repeated practice.

Bill Gates had made money by malevolent criminal means, and pathologically lied all his life, and so he has lied about *how he has made money* and he is a genocidal megalomaniac who was *never talented in coding either*. So he plays the world for fools. No one else is malevolent enough to make money in the same way he actually made money.

You see the *entire eight billion people of Earth* will benefit from my great advance here because rational understanding that we all have potential talent is clear from Ahmed Power Law for Human Motivation. This will allow *fair judgment of people's*

abilities and also fair reasoning to accept accolades for those who are good from others.

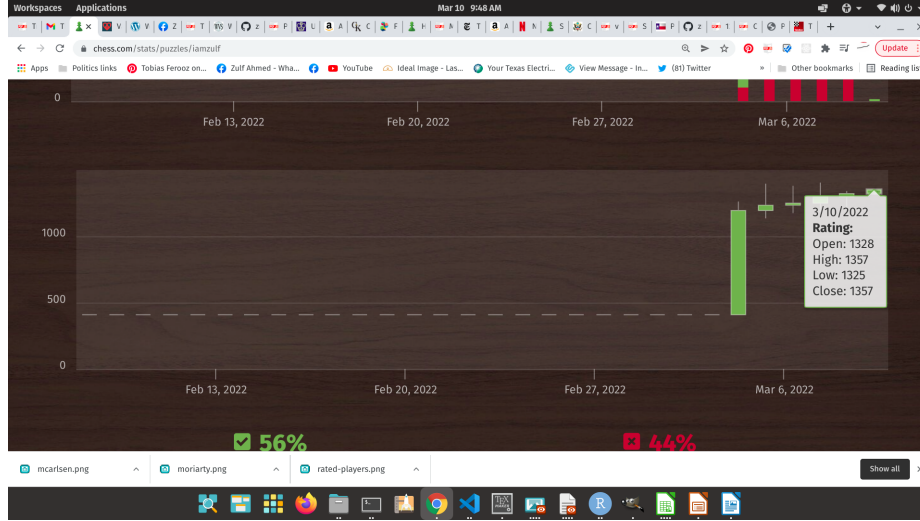
The world has been primitive and these had been left to arbitrary social determination. "This man will get such and such a high position because he is the nephew of Captain Whatsisface." These things will disappear slowly. Instead, people will have sharper understanding of what they love to do and know what it will take to get good at it in terms of efforts expended and practice. This will allow people to budget their time and energy and pursue things that have some chance of success based on what they love to do.

You see, when Steve Jobs told us that you should do what you love to do, he was right but he was standing on success of Apple. I have much more powerful reasoning for the same, that it is irrational and amateur to do anything else.

This will change the entire world.

6. STEADY PROGRESS TO RATING 1357

The power law is not exact for every actual individual rating, but it is the *dominant term*. Knowledge that power law is indeed the dominant term for Universal Human Motivation learning is already a watershed moment in human history, because it affects *every single person on Earth* and is one of the most valuable discoveries about the Nature of Man, what sort of being we are, how noble in our Reason, how like a god and so on.



Now we can interpret the rise from my chess practice as improvement on the left end of a power law that will eventually look exactly like the power law and that is extremely valuable.

7. ALL HUMAN BEHAVIOUR CAN BE COVERED BY AHMED POWER LAW FOR UNIVERSAL HUMAN MOTIVATION

I want to put forward some provisional ideas. When we say "human behaviour" we mean what human beings do, their actions. Let us denote by \mathcal{A} as the set of possible human actions. We don't care about the size; this is mathematical set which could be infinite dimensional or finite, continuous or discrete.

What we want to do is to take a big step back from rushing to provide precedents and antecedents to action and just consider them as they are. We want to consider partitions of \mathcal{A} as

$$\mathcal{A} = \mathcal{A}_1 \cup \dots \cup \mathcal{A}_N$$

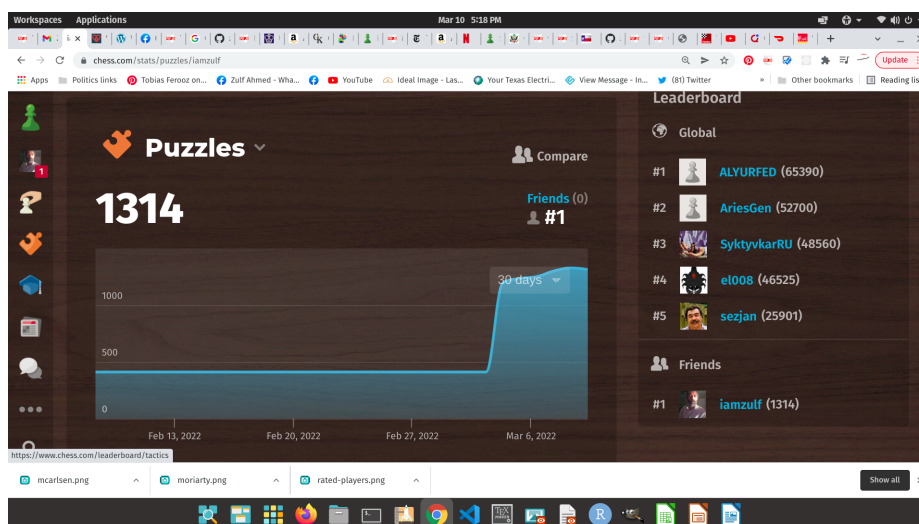
with finite N . We can do this in infinitude of different ways.

Now if we happen to do this by *recognisable competencies* defined loosely as those activities we repeat to improve our level of skills, we believe we will have covered all human activities.

This simple idea brings the Ahmed Power Law for Human Motivation to all activity of human beings. Nothing at all that we do in the end is divorced from some competency category.

In Social Sciences sophistication has been employed with language generally, and now that we are very sure that the human race is a single race based on G_c the genetic code in common is 99.9% of all human beings, it is valuable to shift to formal mathematical reasoning more.

8. RATING AT 1314 MARCH 10 2022



I have already made one of the truly great discoveries of twenty-first century science, that of *Ahmed Power Law For Universal Human Motivation*.

9. MY AUNT'S STORY

My aunt just told me a story about my father. He died in 2002 roughly. But before he died, I was at Princeton and my younger brother was at Harvard. She has pleasant memories of him being quite proud of his sons. That's beautiful, as this makes fills my heart with peace. I was not there when he died.

But I think he would be even more proud, if he had been alive, to learn that my great breakthroughs on Universal Human Motivation will resolve so many awful things in the world, including this dreadful "IQ Gap" issue in the United States.

I honour my father, Khondkar Miran Ahmed, and dedicate my work on Universal Human Emotions and Universal Human Motivation, to him. May he be eternal and may the Angels watch over his soul.

10. BEGINNING OF MERGE OF FAITH AND SCIENCE

I don't like any inconsistencies between my own Faith and Science. My viewpoint is that there is the objective external world. This world, I have shown, is an eternal four-sphere of radius $R = 3075.69 Mpc$ governed (above $\delta = 10^{-15}$ cm) by my Ahmed-d'Alembert law which is a classical wave equation on

$$\mathcal{D}'(\Sigma S^4(R))$$

That's geometry and fundamental law. The physical universe $M(t) \subset S^4(R)$ evolves geometrically. The *metaphysical universe* is $\Omega(t) = S^4(R) - M(t)$. Magnetic monopoles are ubiquitous in $\Omega(t)$ and I believe that Angels and Demons are living beings whose body and 'biological machinery' are constructed from magnetic monopoles and not neutral atoms and molecules. This is a matter of *Faith*.

The universe has existed for infinite time, evolution over the past two billion years on Earth is occurring for the infinity-th time, including eight million years of human evolution.

God exists but is eternally silent and inscrutable, and trillions of Angels are everywhere in the universe, although how many there are on Earth is unknown to me.

There is no significant divergence for me between Faith and Science at all. They are aspects of one Truth. They should be consistent with each other. My religious faith is not Islam or Christianity but it shares some features with these religions.

11. THERE IS NO INCONSISTENCY BETWEEN SCIENCE AND MY FAITH TODAY

My faith relies on properties of S4 Electromagnetism and a fourth purely electromagnetic spatial dimension was not understood to exist throughout the twentieth century. So there is little chance that my faith, consistent with four-sphere theory will ever run afoul of Science.

My faith has no difficulties with Science at all. The contradictions between Faith and Science is a matter for other religions, not mine.

12. DISCUSSION OF KENT BERRIDGE 2018

I am myself still trying to understand more clearly some of the psychological concepts and how psychologists and other scientists have been dealing with them.

These help me understand the situation a bit better. Kent Berridge examines emotions and motivation together [2].

He addresses the terms emotions and motivation together using the example of fear inducing a motivation. I am not enthusiastic about this mixing greatly.

Let me remind my readers that I have defined emotion as a latent state vector in state space $E = \mathbf{R}^7$. The state is the emotion and in my definition even the feelings are separate effects, let alone subsequent cognitive motivation.

This can be quite rapid too; for example, a man seeing a snake will very quickly jump away or react without thought.

This is interesting for me. So it turned out that introspectionists like E. B. Titchener recorded subjective feelings of many people recorded by trained observers around 1900. Then the behaviourists declared they have no scientific value. That is fascinating. Well I have announced my first laws of Universal Human Emotions, so obviously I should really thank the critics of E. B. Titchener for doing everything

they could to sabotage his success so that a great immortal genius—such as myself—could enunciate the universal laws of emotions. It's quite tragic, isn't it, for E. B. Titchener. Well, I'll give the man a pat on the back. You were on the right track but were not anointed of the gods, E. B. Titchener, so the laws of emotions are mine now. Better luck next time, old chap.

13. UNITED STATES OF AMERICA IS THE ONLY COUNTRY WHICH WOULD MISTREAT AN IMMORTAL GENIUS

My work in Four-Sphere Theory, in Universal Human Moral Nature, in Universal Virtue-Eudaimonia Theory (vindicating Aristotle) my results on Universal Laws of Human Emotion, and now my Universal Motivation Laws are far greater panorama of Scientific results than Charles Darwin, Isaac Newton, and Albert Einstein combined. I am without any doubt one of the greatest living scientific geniuses and have already proven myself.

Only in United States of America would a hick charlatan college-dropout be able to abuse me with War Crimes and still be immune to punishment. This is of course Bill Gates, and this would not occur in any nation of the world except this nation, my country, United States of America. It's just an astounding fact.

14. STRONG DISAGREEMENT WITH JOSEPH LEDOUX ABOUT EMOTIONS

Joseph LeDoux, a distinguished affective neuroscientist, recently argued that emotion is necessarily always and only a subjective feeling, and that verbal reports of feelings are the 'goldstandard' of evidence needed to conclude that any emotion exists (LeDoux, 2014; LeDoux J., 2015; LeDoux and Hofmann, 2018). For example, LeDoux and Hofmann write "subjective emotionalexperience, the feeling, is the essence of an emotion," and the only reliable "way to assess conscious emotional feelings is throughverbal self-report" (LeDoux and Hofmann, 2018, p. 67). For individuals who cannot speak about feelings, including animals, human infants, or brain-damaged aphasic human adults, LeDoux reverts to a stance shared with early behaviorists: such creatures are regarded to have mere reactions, without any emotional feelings at all. He suggests that "Infants can react "emotionally" long before they can feel emotion... Similarly, it is possible, in fact likely, that animals can react "emotionally" "without feeling" (LeDoux, 2014, p. 2876) [2].

I wish to enter into permanent and strong disagreement with Professor Joseph LeDoux even though I like him and admire his work. He is strongly in error here.

You see my definition of emotion is the best. Emotion is the presence of the *latent seven subcortical emotion systems* that Jaak Panksepp had delineated for us. These are measurable. Joseph LeDoux's convictions are wrong about animals, infants about the natural phenomena. I respect his works and read his books so I won't make the analogy. Fine, I'll make the analogy. It's like saying if I don't see anyone in a dark room with lights off then I can conclude that no one is there. It's totally outrageously wrong. The *feeling of emotion* is a secondary effect of the emotion. I am sure some of these neuroscientists who torture cats for a living can torture some cats and discover this. Well he made a nice defensive spot, Professor LeDoux didn't he? He's going to now insist that he does not torture human beings so he's right. That's a good one.

Let me justify my position a bit more. First, the latent state signal is *measurable* directly by neuroimaging. Perhaps in the future we will have USB devices that can do this non-intrusively.

Now for almost every instance of the measurement which will yield $x \in \mathbf{R}^7$ of the seven Panksepp emotion systems. I want to name the seven subcortical neural systems that generate basic emotions "Panksepp Emotion Systems" because the man deserves the name of the basic emotion systems.

Now for 99% of the cases, we might have some particular region $D_{anger} \subset \mathbf{R}^7$ and we might verify that if $x \in D_{anger}$ then the feeling of anger is present afterward. But we still ought to define the emotion directly by x and not the feeling. We lose nothing in natural language meaning of anger by this step. The cases when $x \in D_{anger}$ but the subject experiences no feeling of anger are special cases. But *all other effects of $x \in D_{anger}$ might be independent* of the feeling, and so it is wiser to define the emotion at the signal level.

There is a vast improvement for psychology as a Science defining emotions in my way. Then all the opinions about animal and infant emotions are resolved objectively. Joseph LeDoux's viewpoint is wrong here. The $x \in E = \mathbf{R}^7$ with Panksepp Emotion System signals are objectively measurable and so there is no problem verifying infant or animal emotions by my method.

Defining emotions by the feeling and self-report has unnecessary and senseless disadvantages for psychology as a natural science. It's not a quantitative variable and that is the biggest disadvantage.

15. ANTONIO DAMASIO ON EVOLUTION OF SUBJECTIVITY

I am following [2]. Antonio Damasio says subjectivity evolved in the Cambrian period. That's 541-485.4 Mya. That's before mammals evolved. But this is good, because it tells us that subjectivity is very old among living beings and animals have subjectivity. Those things are most important.

Ken Berridge writes: "Many contemporary psychologists have argued that emotions are shared with animals, that emotional brain systems arose early in evolution. Those views are well expressed in Damasio (2018)".

These folks are right. I have personally argued that *Romantic Love evolved before homo sapiens*, around 4.4 mya it already existed.

Now I want to tell you something that is not consensus view. Emotions should not be considered discrete alone. You see the Panksepp systems are always producing signal, like the heartbeat emotional output is part of *being alive*. And we human beings have given names to emotions for fluctuations from equilibrium. *This viewpoint* is both true and central to psychology. Emotions are in a sense *Heartbeats Of The Human Psyche* just as ordinary heartbeats are for physiological aliveness.

I expect this understanding will clarify all of Universal Human Psychology, and see emotions as the foundation of living human being psychologically. Then you can see why *Personality* for example by Davis-Panksepp model, that is emotion based maps to clearly to the Big Five Personality Model.

You see *Personality* is an *equilibrium emotional output level*. This is the natural low-level uniqueness of Personality. Emotions are not sporadic and exceptional events but the humdrum fact of living psyche.

Character is something much higher level. Character is more than Personality; it adds *habituation to Virtues* beyond Personality.

16. KENT BERRIDGE'S GREAT ACCOUNT OF RISE AND FALL OF DRIVE THEORY

I am personally grateful for a very valuable account of rise and fall of drive theory of motivation from 1900 to 1970. These theories rely on hunger, thirst, and sex *drives* being *deficit-inducing*. The main idea of these theories is that the brain has some systems that signal *deficit* and craving for drink, food, and sex which then reduce these drives.

Experiments in the 1960s using artificially stimulated by electrodes of *lateral hypothalamus* of rats produced motivation for drink, food, and sex. The observations did not agree with only a *negative motive* but indicated as well *positive incentive*.

These experimenters of the 1960s did good work. I am most pleased with their work. It will definitely assist Zulf from proposing embarrassingly wrong theories. Well, done ladies and gentlemen doing experiments on rats in 1960s. Zulf is most pleased indeed. Zulf is fond of these hard-working lab experimenters who do grueling work in ungodly hours of day and night so Zulf can take their theories and pontificate about how I have keen insight about Nature.

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- [1] <https://en.chessbase.com/post/the-learning-curve-for-chess-skill>
- [2] Kent Berridge, Evolving Concepts of Emotion and Motivation, Front. Psychol. 9:1647
- [3]