Chantal (nymf.hathaway): Welcome everyone to today's fiftieth Science Circle presentation with Deepthinker Oh.
Vic Michalak holds the SC record... presenting twelve amazing subjects that made us look closer, think differently or opened up entirely new ways to experience the universe we live in.
Bows to Vic ☻
Of course our gratitude goes to all twenty-six presenters the Science Circle was able to attract over the past 5 years!
Stareyes Galaxy claps hands

Chantal (nymf.hathaway): Deepthinker presents her ninth for the Science Circle by "The Monty Hall Problem: Exploring Probability and Belief"
The "oldest" participants among us might have recognized the subject, Deepthinker ran the Monty Hall when the Science Circle was hosted by Nature Publishing Group back in 2009.
Today another round of the famous game show!

Deepthinker will be using text chat for her presentation.
Which will be recorded and uploaded as a PDF file on the Science Circle website.
We'll probably take photos, so if you want to see them go to: http://sciencecircle.org/
LinkedIn- http://www.linkedin.com/company/science-circle
or our Facebook page- https://www.facebook.com/groups/155012474522202/
Let's have an awesome hour everyone, and enjoy!

ⓆⓊⒶⒺⓏⒶⓇ **(quaezar.agnomen):** Thanks ☻
McMillan throws a few sardines at the stage

Deepy (deepthinker.oh): Good morning. To my left (and down) is my guard cat, Scooter. He will be, I hope, the only one asleep during our session.
ⓆⓊⒶⒺⓏⒶⓇ (quaezar.agnomen): ㋡
Ⓛⓞⓡⓓ Ⓞⓕ ⓣⓗⒺ ⓉⒺⓐⓅⓄⓣ (lordoftheteapot.afterthought): ☺

Deepy (deepthinker.oh): Today we are going to have some fun recreating a TV game show. This game will illustrate some aspects of how we work with probability and how we are influenced by our beliefs.
You all need to review the notecard, The Monty Hall Problem: Exploring Probability and Belief. I hope you have had an opportunity to read it ahead of time. If you do not have one, let me know now and I'll give y'all time now to read it.
Anyone need time to read?
Ⓛⓞⓡⓓ Ⓞⓕ ⓣⓗⒺ ⓉⒺⓐⓅⓄⓣ (lordoftheteapot.afterthought): Err...
Deepy (deepthinker.oh): Was that a yes Q?
ⓆⓊⒶⒺⓏⒶⓇ (quaezar.agnomen): haha ㋡
Deepy (deepthinker.oh): We will take a few minutes to let everyone review the notecard.
Ⓛⓞⓡⓓ Ⓞⓕ ⓣⓗⒺ ⓉⒺⓐⓅⓄⓣ (lordoftheteapot.afterthought): Is it essential?
Chantal (nymf.hathaway): Yes Tea ㋡
Welcome Yan ㋡
Tulpa (jes.cobalt): Hi Yan
ⓆⓊⒶⒺⓏⒶⓇ (quaezar.agnomen): Hi Yan ㋡
Yan Lauria: Hi all
Ⓛⓞⓡⓓ Ⓞⓕ ⓣⓗⒺ ⓉⒺⓐⓅⓄⓣ (lordoftheteapot.afterthought) feels guilty
Hello Yan

Deepy (deepthinker.oh): Years ago there was a TV program that illustrates an interesting aspect of probability and how people deal with it
To help us recreate the feeling of a real TV program, I have two assistants. Nymf and Jes will be pointing out the winning and losing doors.
Behind me are three doors. The doors hide boxes and inside one of the boxes is a gift.
The other two boxes are empty. Let me show you.
NullSubset Burner: Very well written and referenced that - D-Thinker.
Yan Lauria: ahaha^^
McMillan: where are the goats ?
Chantal (nymf.hathaway): wants the gift!!!!
Deepy (deepthinker.oh): Now I'm going to close the doors and move the gift around
The gift is the thing you want most in all the world
Moves the gift from room to room, stopping at random
NullSubset Burner: gets gifts uuid and tracks :P
Tulpa (jes.cobalt): Ha ha ha ha ha!
Chantal (nymf.hathaway): ☺

Deepy (deepthinker.oh): The object of the game is to pick the door behind which is the gift
I need a volunteer to play
Someone?
McMillan: me points at Lord
Deepy (deepthinker.oh): Someone come up to the front
Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ ⓉⓔⓐⓅⓞⓣ **(lordoftheteapot.afterthought)** is busy reading the chat
ⓆⓊⒶⒺⓏⒶⓇ **(quaezar.agnomen):** ☺
NullSubset Burner: as usual Mc. is one step ahead of me was going to say the same
ⓆⓊⒶⒺⓏⒶⓇ **(quaezar.agnomen):** haha ☺
Tulpa (jes.cobalt): YAY Stareyes!

ⓆⓊⒶⒺⱫⒶⓇ (quaezar.agnomen): Yay ㋡
Stareyes Galaxy: Hi Deep
McMillan: applauds
Deepy (deepthinker.oh): Thank you Stareyes
Stareyes Galaxy: Let's get on with it, I want it
Chantal (nymf.hathaway): YAY ㋡
Deepy (deepthinker.oh): Now Stareyes, pick a door
Stareyes Galaxy: "3"
McMillan shakes his head
Deepy (deepthinker.oh): My assistants will move
You picked door 3
Stareyes Galaxy: I did
Chantal (nymf.hathaway): winks
Stareyes Galaxy: (I am really NOT perv camming through the doors)
Deepy (deepthinker.oh): Now I'm going to show you another door which is over an empty box
Stareyes Galaxy: yeah, so now I have a 50/50 chance of the remaining doors
Deepy (deepthinker.oh): Now you know that you are either right or that door 2 is correct.
Stareyes Galaxy: Yes
Deepy (deepthinker.oh): Do you wish to change your choice
Pick door 2 over door 3
Stareyes Galaxy: Let's see...
Stareyes Galaxy: you picked a door you knew would be empty
Deepy (deepthinker.oh): yes
Stareyes Galaxy: If I had picked "2" to begin with, you wouldn't have been able to pick that door anyway
Deepy (deepthinker.oh): So stay with door 3 or switch to door 2

Stareyes Galaxy: ah hell

ⓆⓤⒶⒺⓏⒶⓇ (quaezar.agnomen): ㋡

Stareyes Galaxy: I stay with "3"

Tulpa (jes.cobalt): ㋡

Chantal (nymf.hathaway): ㋡

Deepy (deepthinker.oh): kk

NullSubset Burner: lol

Deepy (deepthinker.oh): Let's see

Ah

Chantal (nymf.hathaway): aaaaaw

Stareyes Galaxy facepalms

Tulpa (jes.cobalt): :(

Yan Lauria: oh

Chantal (nymf.hathaway): Cries

Deepy (deepthinker.oh): It was behind door 2

Stareyes Galaxy: darned SL, it's all over for me

Deepy (deepthinker.oh): Thank you for playing the game.

Stareyes Galaxy: Thanks Deep

Chantal (nymf.hathaway): Applauds ㋡

Tulpa (jes.cobalt): ✦ ✦ ⌘ⓘ➎ ✦ ✦

Deepy (deepthinker.oh): Chan will give you a copy of the Let's make a deal game

McMillan shakes head again

Stareyes Galaxy cries

ⓆⓤⒶⒺⓏⒶⓇ (quaezar.agnomen): ㋡

Deepy (deepthinker.oh): Let's do it again

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ Ⓣⓔⓐⓟⓞⓣ (lordoftheteapot.afterthought) hands Stareyes a tissue to wipe the tears away

Deepy (deepthinker.oh): May I have another volunteer

McMillan: me me me

Deepy (deepthinker.oh): kk Just leave that fish on your seat
Chantal (nymf.hathaway): ☺
QUAEZAR (quaezar.agnomen): :))
McMillan: feeds the cat some bones
Deepy (deepthinker.oh): Ok Mac. Pick a door
McMillan: 2
NullSubset Burner: hahah-clever
Deepy (deepthinker.oh): I'll open an empty box
McMillan: ....
Stareyes Galaxy: ...thanks lord
McMillan: aha
Deepy (deepthinker.oh): Now do you want to stay with door 2 or switch to door 1
McMillan: I have been doing my homework, ill change
Lord of the TeaPot (lordoftheteapot.afterthought): ☺
Chantal (nymf.hathaway): ☺
Deepy (deepthinker.oh): kk. He picks door 1
Tulpa (jes.cobalt): ooooo
McMillan: yes 1
Stareyes Galaxy: But sometimes it's "the small odds"
Deepy (deepthinker.oh): Let's look at door 2 first
McMillan: YAY
Deepy (deepthinker.oh): He's right
Chantal (nymf.hathaway): YAAAAY ☺
Stareyes Galaxy: Congrats McM
McMillan: I am wiiiiining

QUAEZAR (quaezar.agnomen): ☻

Tulpa (jes.cobalt): Well done Mc! ☻

McMillan jumps for joy

Deepy (deepthinker.oh): Door 1 is the winner

Lord of the Teapot (lordoftheteapot.afterthought): Congrats McMillan

Chantal (nymf.hathaway): APPLAUDS

McMillan: can I eat it now ?

Deepy (deepthinker.oh): Thank you Mc

Lord of the Teapot (lordoftheteapot.afterthought): Did McMillan win some fish?

Deepy (deepthinker.oh): Your prize will be mailed to you

McMillan: YAY thanks

Chantal (nymf.hathaway): ☻ gets noted in the transcript in bold :)

Deepy (deepthinker.oh): Let's do it one more time
Another volunteer?

McMillan has paid Nymf Hathaway 1000 for replacing the gift into box 1

Chantal (nymf.hathaway): Yan?
hehehhe Mc just 1000???

Deepy (deepthinker.oh): Thank you Yan

Yan Lauria: me?

Tulpa (jes.cobalt): Yaaaay, for Yan ☻

Chantal (nymf.hathaway): yes you ☻

QUAEZAR (quaezar.agnomen): yaaay ☻

Deepy (deepthinker.oh) rearranging the gift
Pick a door

Yan Lauria: 1

Deepy (deepthinker.oh): kk. I'll open an empty box

Yan Lauria: oh

Chantal (nymf.hathaway): Maybe door 3 is better?

Deepy (deepthinker.oh): Now Yan, do you wish to change your choice?

Tulpa (jes.cobalt): shhhh woman

Yan Lauria: don't change

Chantal (nymf.hathaway): ☻

Yan Lauria: 1

Chantal (nymf.hathaway): oke ツ
Deepy (deepthinker.oh): You want to stay with door 1
Opens door 1
Yan Lauria: yes
ＱＵＡＥＺＡＲ (quaezar.agnomen): ARE YOU SURE>!
Chantal (nymf.hathaway): aaaaaaaw see
Yan Lauria: ahaha
McMillan: aaaaaaaaahahahahahaaaa
ＱＵＡＥＺＡＲ (quaezar.agnomen): ouch
Chantal (nymf.hathaway): :(
Deepy (deepthinker.oh): Thank you Yan
Stareyes Galaxy: I feel for you
Chantal (nymf.hathaway): applauds for Yan ツ
Deepy (deepthinker.oh): Please be seated
ＱＵＡＥＺＡＲ (quaezar.agnomen): ツ
Tulpa (jes.cobalt): The only prize we've given out is fish
Deepy (deepthinker.oh): Give all the volunteers a hand
Sjöfn (sjofn.stoneshield): clap
ＱＵＡＥＺＡＲ (quaezar.agnomen): clap
Stareyes Galaxy claps loudly for McM and Yan
Ｌｏｒｄ ｏｆ ｔｈｅ Ｔｅａｐｏｔ (lordoftheteapot.afterthought): claps

Deepy (deepthinker.oh): This game illustrates more about belief than an understanding of probability
Chantal (nymf.hathaway): Smiles at Darkeagle

Darkeagle Darkstone: hi

Deepy (deepthinker.oh): In the note card you all read that your odds are better if you switch, yet we are so tempted to keep our original choice

Chantal (nymf.hathaway): ☺

Deepy (deepthinker.oh): Why do you think this is so?

NullSubset Burner: hmm- previous trials effect current biases and thus the choice of which box to select-demonstrated nicely .

McMillan: we think we are right in our self-confidence ?

ⓁⓄⓇⒹ ⓄⒻ ⓉⒽⒺ ⓉⒺⒶⓅⓄⓉ (lordoftheteapot.afterthought): People tend to think that it might be unlucky to change?

ⓆⓊⒶⒺⓏⒶⓇ (quaezar.agnomen): Doubt ! ☺

Yan Lauria: Is this experiment to show how human cannot believe?

Stareyes Galaxy: If you assign 1/3 probability to win, why change?

Deepy (deepthinker.oh): Yes to all of those and..

ⓁⓄⓇⒹ ⓄⒻ ⓉⒽⒺ ⓉⒺⒶⓅⓄⓉ (lordoftheteapot.afterthought): Loyalty

Darkeagle Darkstone: We have always been told to make a decision and stick to it.

Deepy (deepthinker.oh): once a door is opened we make the error of assuming the odds are 50/50 are even now

Yan Lauria: yes

McMillan: how is that an error, you can change

Deepy (deepthinker.oh): One way to think about this problem is to consider the sample space, which Monty alters by opening one of the doors that is empty. In doing so, he effectively removes one of the two losing doors from the sample space.
And they are not.
Each of the above three options has a 1/3 probability of occurring, because the contestant is equally likely to begin by choosing any one of the three doors. In two of the above options, the contestant wins the car if she switches doors; in only one of the options does she win if she does not switch doors. When she switches, she wins the car twice (the number of favorable outcomes) out of three possible options (the sample space). Thus the probability of winning the car is 2/3 if she switches doors, which means that she should always switch doors

ⓆⓊⒶⒺⓏⒶⓇ (quaezar.agnomen): Hello Comet

Deepy (deepthinker.oh): This result of 2/3 may seem counterintuitive to many of us because we may believe that the probability of winning the car should be 1/2 once Monty has shown that the car is not behind door A or door B. Many people reason that since there are two doors left, one of which must conceal the car, the probability of winning must be 1/2. This would mean that switching doors would not make a difference.

Deepy (deepthinker.oh): Final example of the logic
What if there were 1,000 doors? You would have a 1/1,000 chance of picking the correct door. If Monty opens 998 doors, all of them with goats behind them, the door that you

chose first will still have a 1/1,000 chance of being the one that conceals the car, but the other remaining door will have a 999/1,000 probability of being the door that is concealing the car. Here switching sounds like a pretty good idea.

not goats but prizes

I want to use this time now for some discussion questions

The questions build off this example of probability and belief

I will ask the questions in turn and ask you all to please take turns in typing your replies. Will others please thoughtfully read each post and formulate a reply or just be attentive. Then, the next person can type their viewpoint. If we pace ourselves, we can develop a rich dialog on each question. When comments appear to have ceased, I will ask the next question. Thank you.

Stareyes Galaxy: Statistics was something I flunked twice, I think I get it however

Deepy (deepthinker.oh): 1. What is your intuitive response to the Monty Hall problem? Is it your belief to switch or stay? Do most of us have an innate preference? Where did it come from?

Stareyes Galaxy: Monty always opens a losing door, not a random door

Deepy (deepthinker.oh): Right. Monty has added information to the problem

McMillan: no

Stareyes Galaxy: 998/1000 takes a while, but all of them are the losing doors, p=1 to lose because he knows

Deepy (deepthinker.oh): right

Stareyes Galaxy: He also knows the remaining door to win or lose

the 99th of 1000

^^^^^^999th

And, he never has picked the door YOU picked at the outset
Deepy (deepthinker.oh): right. He is changing the odds in your favor
Stareyes Galaxy: Someone else finish it for me
Deepy (deepthinker.oh): Let me try another question on y'all
Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ Ⓣⓔⓐⓟⓞⓣ **(lordoftheteapot.afterthought):** Does 'luck' come it to it at all? Or am I missing something?

Deepy (deepthinker.oh): 2. The probability of any event is 1 or 0. A thing either happens or it does not. Probability also can be used to tell how often the event will occur, on the average, out of a particular number of opportunities. Thus, the probability of my tossing a coin and getting a head is once out of two tosses. On my first toss the probability of getting a head is 1 or 0. On my second toss, the probability of a head is still 1 or 0. This dual use of the term is confusing. Do you think people avoid the use of probability in decision making due to this complexity. Do you think people avoid probabilities, in general? How often are people carefully rational in decision making and how often do they use intuition? Which leads to the more optimal choice? Are scientists better decision makers than others?
Stareyes Galaxy: We all use intuition whether we want it or not
McMillan: when you get the offer to reconsider, after the door was opened, it's a new game, he changed the game, didn't add info to the old game, it's just a 50% chance game, new odds like the coin tossing
Stareyes Galaxy: Let's say you were a doctor making a choice on treatment. You have three choices, two of which lose your patient... You pick one...
Deepy (deepthinker.oh): No, it's still a 3 box problem
McMillan: no cause one is excluded
NullSubset Burner: personally probability has always been a tricky beast to sort- I have a habit of including non-trivial variables to the point it's difficult to ferret out the original problem at times-for example while folks where selecting for the box I was considering the possibility of the box spontaneously becoming 2 boxes or a tasty treat? 1^1000000000000000000....n!:n!, - lol
McMillan: the one with the open door
Deepy (deepthinker.oh): The two box choice is not independent of the 3 box problem
Sjöfn (sjofn.stoneshield): It´s in the human nature, from stoneage man, to make a fast decision and hold to that
Stareyes Galaxy: Correct - "System 1" thinking
Deepy (deepthinker.oh): yes, keeping to a choice is a human tendency
Stareyes Galaxy: it takes more effort to reason with "System 2"
Deepy (deepthinker.oh): Does it serve us?
Stareyes Galaxy: If it is a fight or flee situation, yes
Deepy (deepthinker.oh): The Pete Seeger song the Big Muddy comes to mind
Deepy (deepthinker.oh): A fight or flight choice is different from a reasoned selection
Sjöfn (sjofn.stoneshield): And people sets equal mark between "lose" and "not winning" instead of realize that "not winning" is status quo
Deepy (deepthinker.oh): good point
Sjöfn (sjofn.stoneshield): You don't lose anything in this game you only win

Stareyes Galaxy: I invested NOTHING on the game, so why do I feel sad?

QUAEZAR (quaezar.agnomen): ☺

Deepy (deepthinker.oh): That is amazing right?

Lord of the Teapot (lordoftheteapot.afterthought): You just want more tissues, Stareyes

Stareyes Galaxy bawls

QUAEZAR (quaezar.agnomen): The prospect of winning does that.

Stareyes Galaxy: I.. I'm OK

Sjöfn (sjofn.stoneshield): Because that the human nature tell us to win - that's what makes the evolution going on

Stareyes Galaxy: Yeah

QUAEZAR (quaezar.agnomen): Throw me some tissues too Lord.. I am a bit emotional 2day ☺

Sjöfn (sjofn.stoneshield): and the spelling bug in SL

Deepy (deepthinker.oh): Well win or make the best choice?

McMillan: like losing the finals of the world championships, it's the worst loss

Lord of the Teapot (lordoftheteapot.afterthought) throws Q a wet teabag

Chantal (nymf.hathaway): ☺

Stareyes Galaxy: yeah, you win gold or bronze, but lose the silver

Sjöfn (sjofn.stoneshield): No McMillan coming four is the worst no medal at all

Deepy (deepthinker.oh): Actually with this problem, one always switches but if you do you lose 30% of the time

QUAEZAR (quaezar.agnomen): ☺

McMillan: ..

Stareyes Galaxy: ...on aggregate

Deepy (deepthinker.oh): baseball players are happy to hit the ball 30% of the time

Sjöfn (sjofn.stoneshield): Yes you have a 70% win in this game

Stareyes Galaxy: ...out of 3 throws that count as "a hit"

Deepy (deepthinker.oh): So by going against one's tendency to hold to a previous choice, one can win more often. that's a good plan for the stock market

Stareyes Galaxy: (am I right? I always assumed so) Stock decisions should be made with no historic reference in mind

McMillan: stock markets is not gambling

Deepy (deepthinker.oh): Here's a slight twist on our discussion.

3. When it comes to misuse of statistics, one of my favorites is when people impose significant meaning on a relationship when the correlation between the variables is significant but not very predictive. For example, if one had 100 subjects, two variables, say height and intelligence, and a significant correlation of -.29, what really does that tell you? Are short people really smarter?

Stareyes Galaxy: Duh!

Chantal (nymf.hathaway): ☻

Sjöfn (sjofn.stoneshield): hope not I´m tall in rl

Deepy (deepthinker.oh): Perhaps women are really smarter and we are on average shorter?

Stareyes Galaxy: Yay!

McMillan: .....

Chantal (nymf.hathaway): Goes for that ☻

Tulpa (jes.cobalt): oh snap ☻

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ Ⓣⓔⓐⓟⓞⓣ (lordoftheteapot.afterthought): Hmmmm

McMillan is lost now

Stareyes Galaxy: or, old people have more experience, and they tend to be shorter?

Chantal (nymf.hathaway): ☻

Deepy (deepthinker.oh): could be

Stareyes Galaxy: Do you factor in basketball players?

Sjöfn (sjofn.stoneshield): In my country 67% of the university student are female and they are often shorter than men

Deepy (deepthinker.oh): yes, that might pull the average down

NullSubset Burner: On some level isn't the ability to operate on probability as innate a neurological function as language or maths-universe much of the universe operates on probability so i would assume its reflected in our function? **NullSubset Burner:** argh sorry was going to save that

Deepy (deepthinker.oh): I think belief often trumps logic or probability

McMillan: going to university doesn't raise your intelligence,

Deepy (deepthinker.oh): I'd agree with that

Stareyes Galaxy: Being selected to be a student demonstrates such a trait

Sjöfn (sjofn.stoneshield): And that you tell me now after 10 years of studies :D

McMillan: it raises you knowledge, not intelligence

Darkeagle Darkstone: Short people are just bigger on the inside.

Chantal (nymf.hathaway): ☺

NullSubset Burner: even among working scientist? no need to answer , we suffer the same afflictions of belief as non-scientists , we are just generally more aware of them.

McMillan: who says there is a correlation between length and IQ ?

Deepy (deepthinker.oh): Somewhere out there, somebody found that result. It's in the literature cloud

McMillan: a short guy ?

Sjöfn (sjofn.stoneshield): nothing it´s the same level as -big nose = big penis -

Stareyes Galaxy: lolz

NullSubset Burner: hehehe

Deepy (deepthinker.oh): and here's a last question:

Sjöfn (sjofn.stoneshield): only talk

Deepy (deepthinker.oh): 4. Have you ever considered that since journals only publish studies with statistically significant results, and the usual criterion for significance is 1 out of 20 (the .05 level), that in 5 out of 100 published articles the authors made the wrong choice and it is the null hypothesis that is probably true.

Chantal (nymf.hathaway): hehhehehehhehe

Stareyes Galaxy: If you use statistical methods, that's scary

Darkeagle Darkstone: Actually, many of the journals in Psychology do report the non-significant results

Stareyes Galaxy: Publish that and there is a new boom in homeopathy

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ ⓉⓔⓐⓅⓞⓣ (lordoftheteapot.afterthought): Statistics can be manipulated to show what ever point you want

Deepy (deepthinker.oh): Yes, but that just adds to the clutter

Deepy (deepthinker.oh): As we get down to the final minutes of our session, does anyone have a question for the group or a closing comment?

McMillan: where is my fish ?

Sjöfn (sjofn.stoneshield): I can agree in some way, but I´m not sure it´s only the editors blame. I noticed that many scientist publish unfinished results

Deepy (deepthinker.oh): It's in the mail

Darkeagle Darkstone: The improper use of statistics can be manipulated, and misinterpreted, but when you are working to find the truth, you try to avoid that

Stareyes Galaxy: I am in the final part of reading this: http://www.amazon.com/Thinking-Fast-Slow-Daniel-Kahneman/dp/0374533555

Deepy (deepthinker.oh): Thank you for the link

Stareyes Galaxy: It gives quite some insight in the two "systems" of thinking

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ ⓉⓔⓐⓅⓞⓣ (lordoftheteapot.afterthought): Thank you Darkeagle

Stareyes Galaxy: The Nobel Laureate Daniel Kahneman summarizes his life's work in the book. Tedious sometimes, but worth the trouble.

Deepy (deepthinker.oh): My colleagues and I found a unique finding in three successive studies and published the findings in an article only to never find the effect again in subsequent studies

Stareyes Galaxy: Wow

NullSubset Burner: ouch

Stareyes Galaxy: Journal of Irreproducible Results? That does it for you

Deepy (deepthinker.oh): yes

Darkeagle Darkstone: That is more common that you might believe

Deepy (deepthinker.oh): It shows that probability can get you

Chantal (nymf.hathaway): :(

Deepy (deepthinker.oh): I find my one hour clock stops at 50 minutes, so I feel we have run over our time.

Darkeagle Darkstone: One study I did that never got published showed that researchers might have confounded their results in decision making research by trying to impose structures on the data that didn't exist according to the results of a cluster analysis or factor analysis

Stareyes Galaxy: Well, are there statistical methods you can use that can make you avoid that kind of a mistake?

QUAEZAR (quaezar.agnomen): Sorry Deep but I have to leave RL duties.. Thank you for the nice presentation ☺

Tulpa (jes.cobalt): ❤ Byyyyyye Que :((((

QUAEZAR (quaezar.agnomen): Wish you all a great day and see you soon ☺ Bye ☺

Stareyes Galaxy: Bye

Lord of the Teapot (lordoftheteapot.afterthought): Bye Q

Sjöfn (sjofn.stoneshield): Bye

Deepy (deepthinker.oh): Let's oficially stop but we can continue informally

Deepy (deepthinker.oh): Thank you all for participating today

McMillan: why was it never published, Darkeagle ?

Tulpa (jes.cobalt): ☺

Chantal (nymf.hathaway): Thank you Deep ☺

Lord of the Teapot (lordoftheteapot.afterthought): Thank you Deepy

Darkeagle Darkstone: I have to leave as well, but thank you for the mind bending information

Stareyes Galaxy: Can I share some of this in the article I am writing for SLEnquirer.com on the Science Circle?

Deepy (deepthinker.oh): You are welcome

Tulpa (jes.cobalt): loves the subject ☺ Thank you dear Deep

Able Shepherd: Thanks very much for the presentation

Chantal (nymf.hathaway): You can Stareyes ☺

Stareyes Galaxy: Thanks Chantal

Able Shepherd: Good to be able to be here

NullSubset Burner: oh man that's getting dangerously closely to accusing colleges of professional misconduct bet it wasn't received to well?

Stareyes Galaxy: I took a few pics of the Monty Hall experiment as well

Deepy (deepthinker.oh): Great. Thanks

McMillan fears that this will be in his mind for the rest of the week

Able Shepherd: Bye folks

[Lord of the Teapot (lordoftheteapot.afterthought): Bye Able

Chantal (nymf.hathaway): Bye bye Able ☺

Sjöfn (sjofn.stoneshield): It´s always a danger punch upwards in the academic world :D

Deepy (deepthinker.oh): Thank you Chan and Jes for being my assistants today, You did a great job and added to the overall game feeling

McMillan: they needed shorter skirts

Tulpa (jes.cobalt): Best pointers in SL ☺

Sjöfn (sjofn.stoneshield): Will that make them smarter McMillan?

Stareyes Galaxy: Thank you Deep, it was very interesting, and the whole seminar illustrates nicely how SL can be used interactively, and we all I suppose come from all over the world, so no need to travel :)

Tulpa (jes.cobalt): anytime Deep ☺ was fun!

McMillan: there is a correlation between IQ and the length of skirts, it's out there somewhere

Chantal (nymf.hathaway): Thanks Deep ☺ and a big hug for the ninth :)

Deepy (deepthinker.oh): Yes, I love the virtual aspect

Sjöfn (sjofn.stoneshield): I´m sure someone made an statistic over that

Stareyes Galaxy: I need to wear the micro shorts that came with the jacket then

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ Ⓣⓔⓐⓟⓞⓣ (lordoftheteapot.afterthought): It was most enjoyable, Deepy... Good enough for me to want to call in again ☺

NullSubset Burner: Thank you all for both the presentation and your patience - I tend to follow my thoughts randomly , makes me somewhat annoying though essentially harmless - TC all :)

Sjöfn (sjofn.stoneshield): the world is drowning in useless statistics

Deepy (deepthinker.oh): Thanks Q

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ Ⓣⓔⓐⓟⓞⓣ (lordoftheteapot.afterthought): Bye NullSubset

Deepy (deepthinker.oh): yes but without it we would have an even greater tide of useless opinion

Sjöfn (sjofn.stoneshield): :D

Chantal (nymf.hathaway): Waves at Null enjoy your day!

McMillan: we don't have them now ?

Stareyes Galaxy: yeah, did you know that half of the statistics have less value than the median?

NullSubset Burner: waves:) - back to Mathlab:(

McMillan: lol Star

Deepy (deepthinker.oh): True

Stareyes Galaxy: Okay I will leave you as well, thanks again. Good-bye

Deepy (deepthinker.oh): Thank you Star

McMillan: Bye bye

Ⓛⓞⓡⓓ ⓞⓕ ⓣⓗⓔ Ⓣⓔⓐⓟⓞⓣ (lordoftheteapot.afterthought): Bye Stareyes

Chantal (nymf.hathaway): Bye bye Stareyes ☺

Sjöfn (sjofn.stoneshield): Statistic is never better than the first question the researcher got in his mind

Deepy (deepthinker.oh) pets Scooter for staying awake most of the time

McMillan: My ladies, it was most interesting , intriguing and fun, thank you for the afternoon and coming sleepless nights