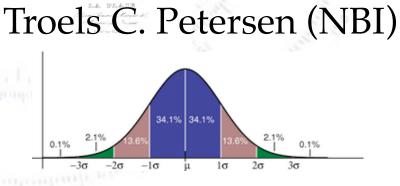
Applied ML Potential Final Projects/Datasets



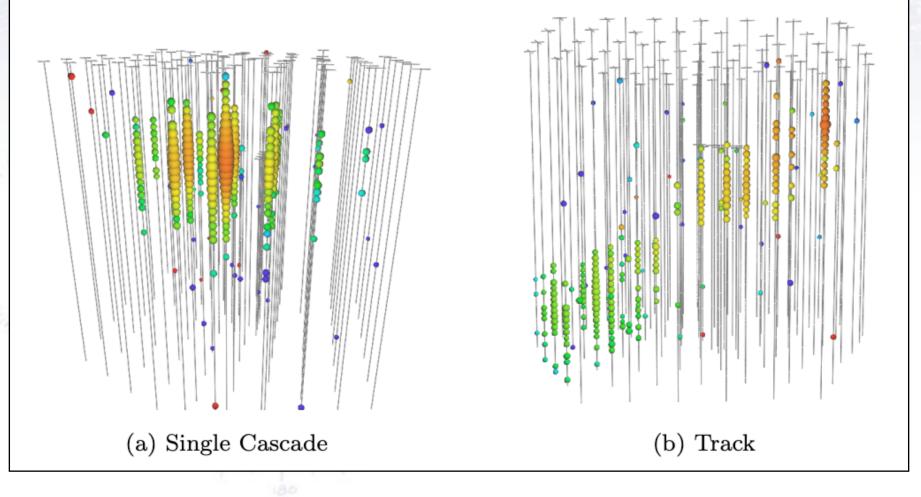


"Statistics is merely a quantisation of common sense - Machine Learning is a sharpening of it!"

1

Particle Physics data

Based on detector signals (8-80000 pulses with 6 features each), determine the type of signal, its energy, direction, interaction vertex, etc.



WARD data

Based on 7 continuous patient outputs, determine if the patient is doing OK or...



EKG data

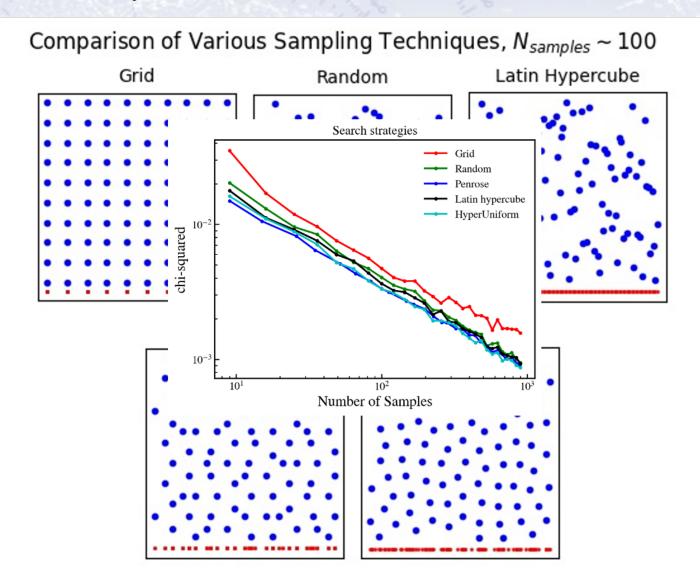
Coming soon to a disc near you...

Reading the text at the end would alone constitute a succes (3800+ cases)...

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	Thymatron System IV S/N: 42317		
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mail and man and an and the second	% Energy Set 15 %		
	Charge Delivered		
	Current		
	Stimulus Duration 4.2 Sec		*.,
	Frequency		. <i>1</i>
	Pulse Width 0.50 mSec		
	Static Impedance		¢
	Dynamic Impedance 210 Ohm		
	EEG Endpoint	5 B	
	EMG Endpoint 8 Sec		· · · · · · · · · · · · · · · · · · ·
	Base Heart; Rate 97 b/m		
	Peak Heart' Rate 149 b/m		·
	Average Seizure Energy Index 6850.6 μ V2		
	Postictal Suppression Index 62.5 %		· · ·
	Maximum Sustained Power 13718.0 μ V2		
	Time to Peak Power		na na na
	Maximum Sustained Coherence 97.5 %		
	Time to Peak Coherence 32 Sec		· · · · · · · · · · · · · · · · · · ·
		e e e e e e e e e e e e e e e e e e e	
	Program Selected: 2X DOSE		
84s 85s 86s			

HP optimisation project

Can be done on "any" data...



Bonus Slides

Let me tell you about this exam!