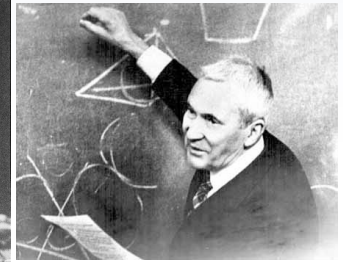
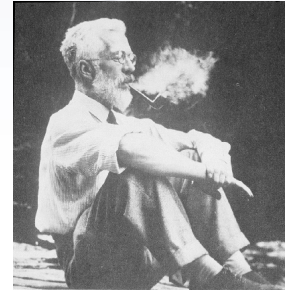
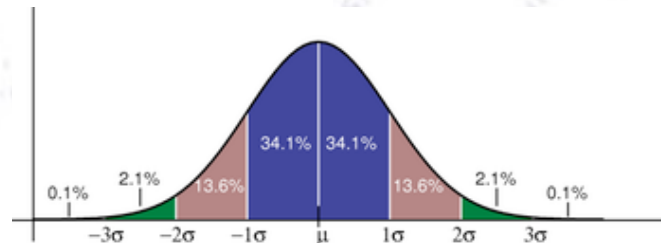


Applied ML

Potential Final Projects/Datasets



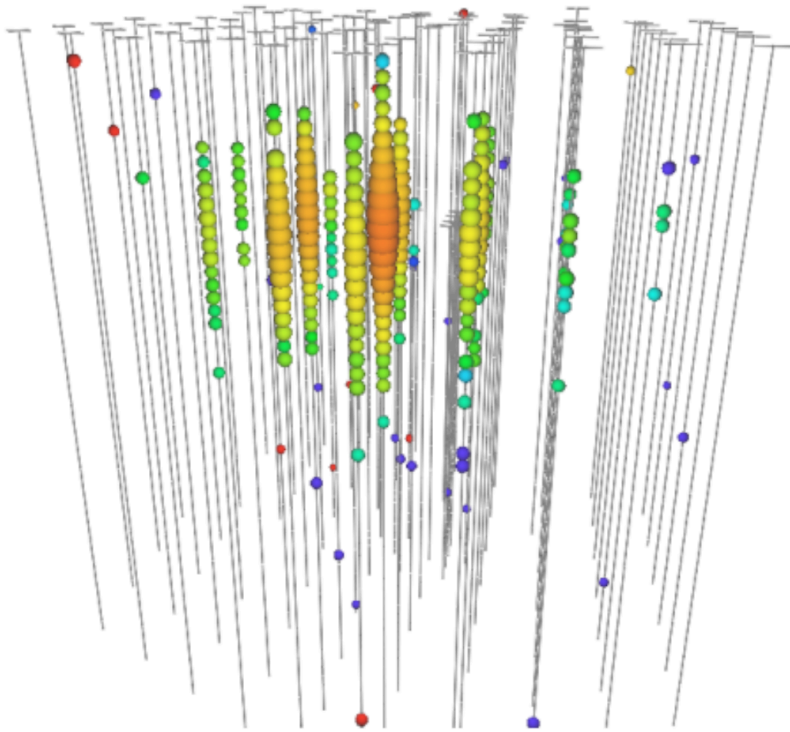
Troels C. Petersen (NBI)



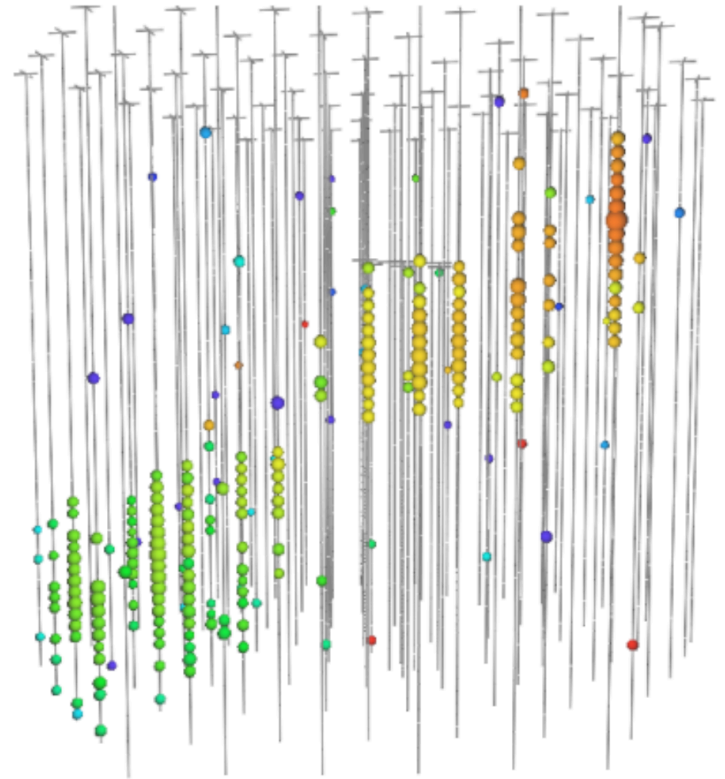
"Statistics is merely a quantisation of common sense - Machine Learning is a sharpening of it!"

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.



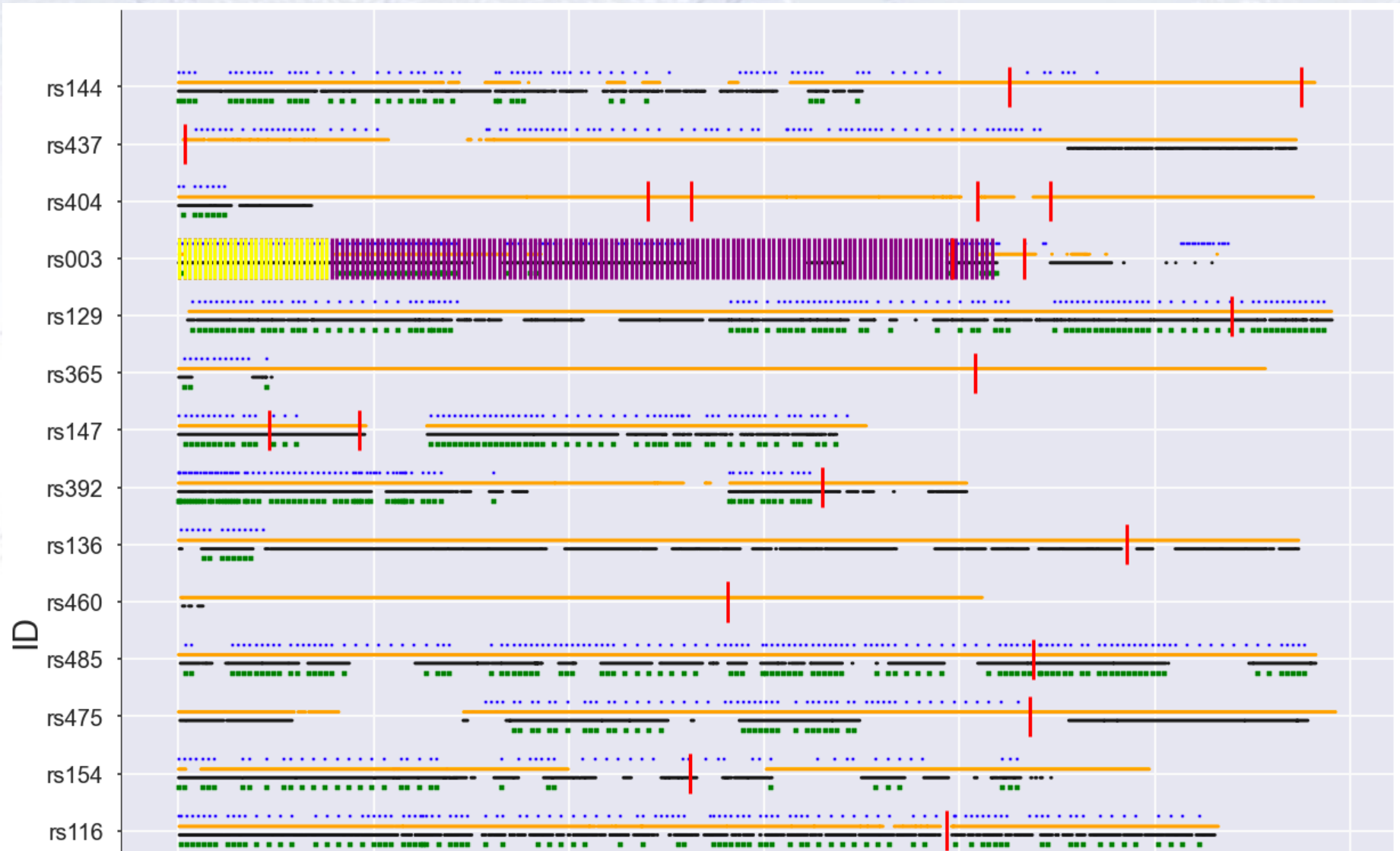
(a) Single Cascade



(b) Track

WARD data

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

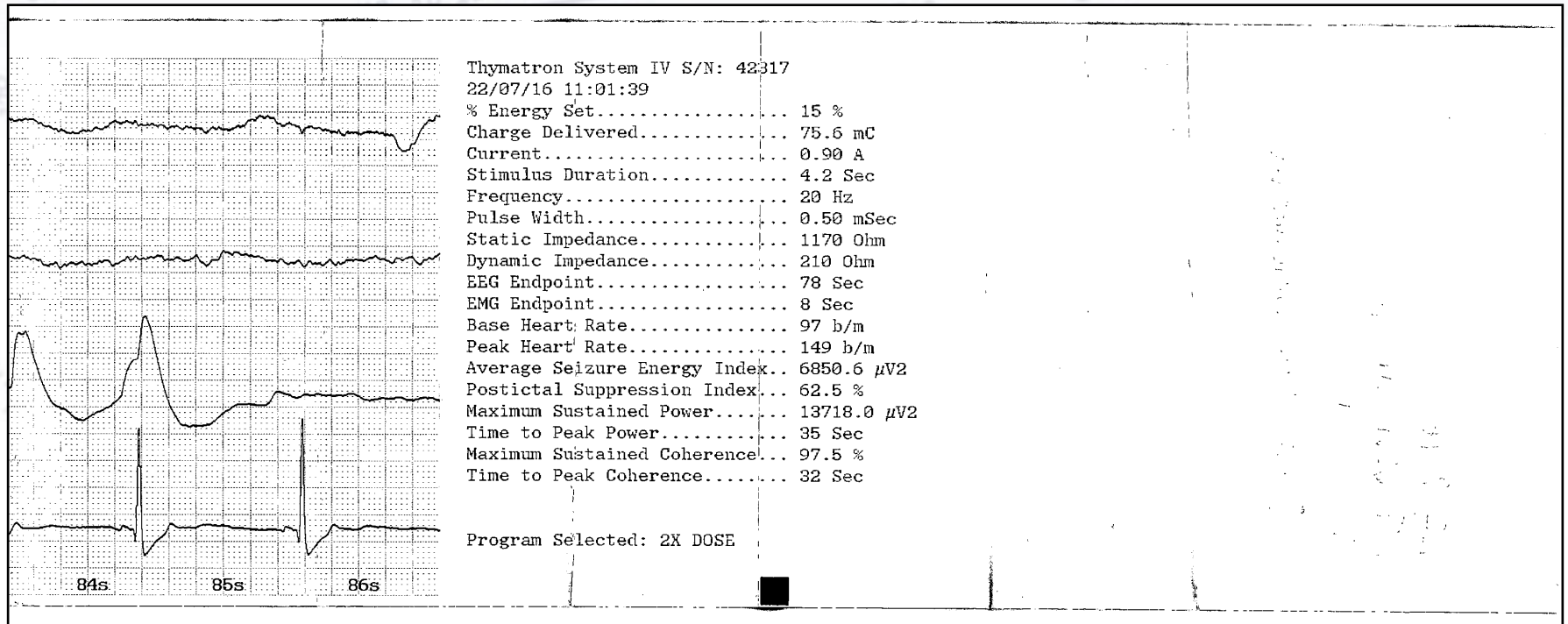


EKG data

Coming soon to a disc near you...



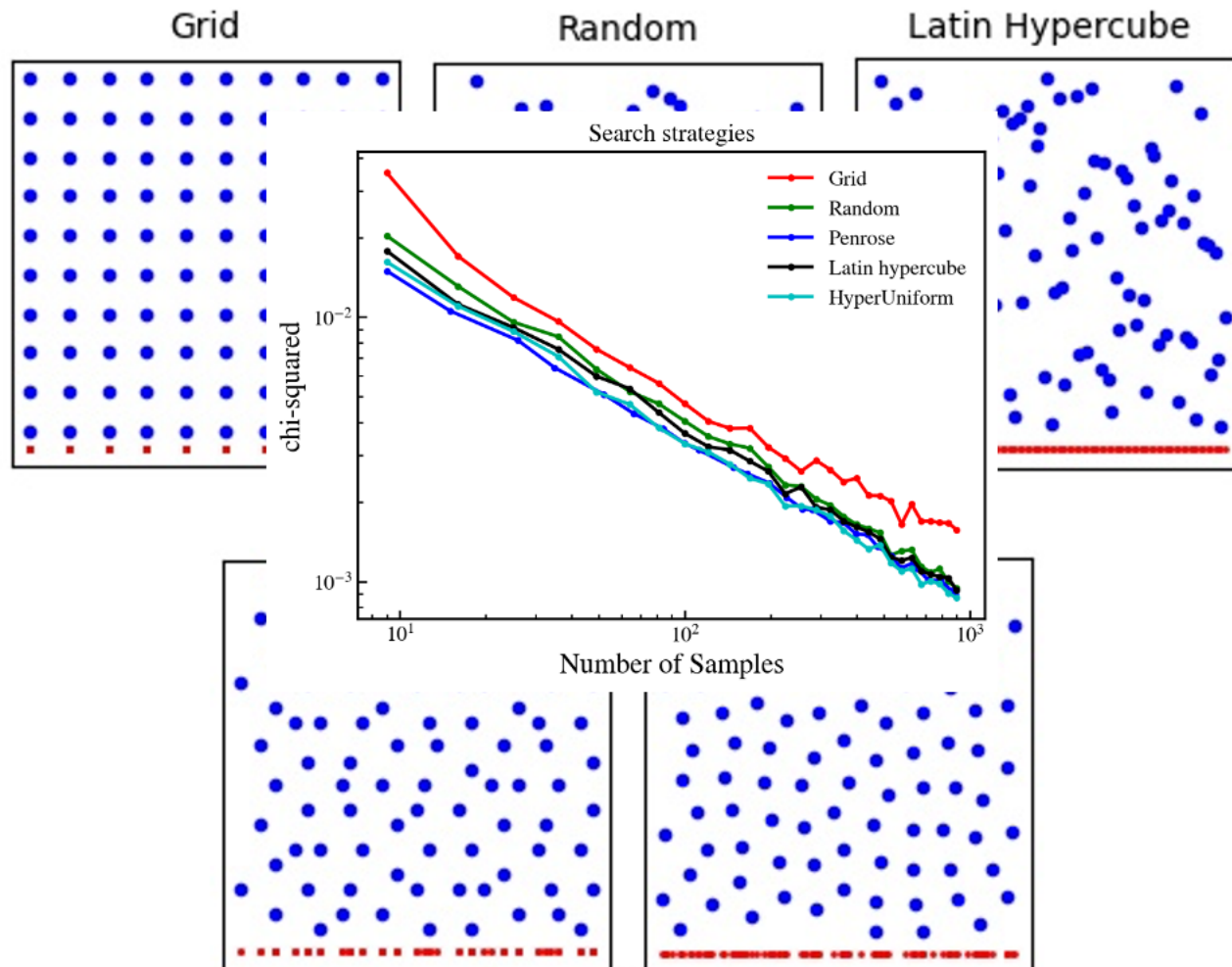
Reading the text at the end would alone constitute a succes (3800+ cases)...



HP optimisation project

Can be done on “any” data...

Comparison of Various Sampling Techniques, $N_{samples} \sim 100$





Bonus Slides



Let me tell you about this exam!