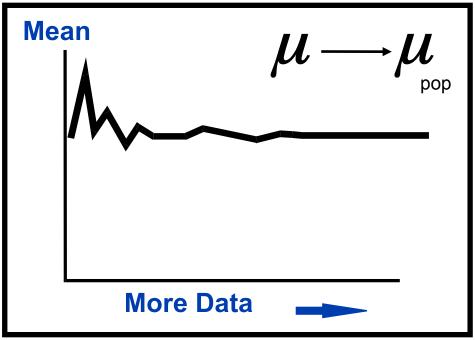




Radboud University Nijmegen

Behavioural Science Institute



Independent observations of random variables

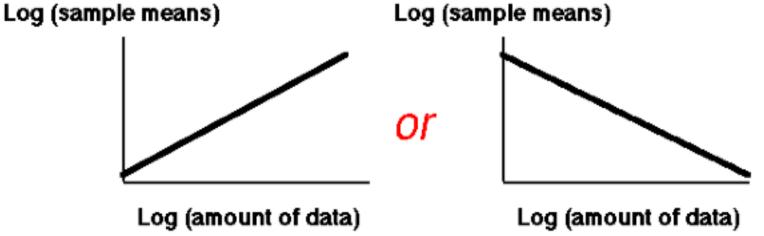
μ±**σ** are sufficient to characterise

absence of dependencies in the data:

N = ensemble size

e.g. Expected value of μ for N = 100, given σ

Scaling phenomena: Time scales



Interdependent observations across different scales

N = observation time

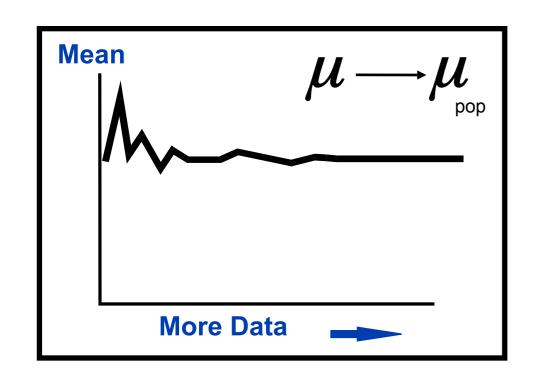
Scaling phenomena: Time scales

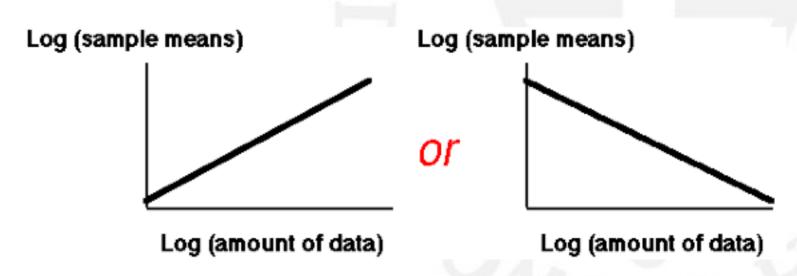
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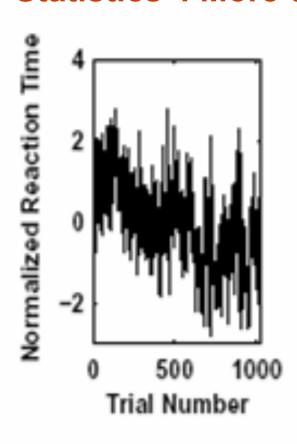
Interdependent observations across different scales

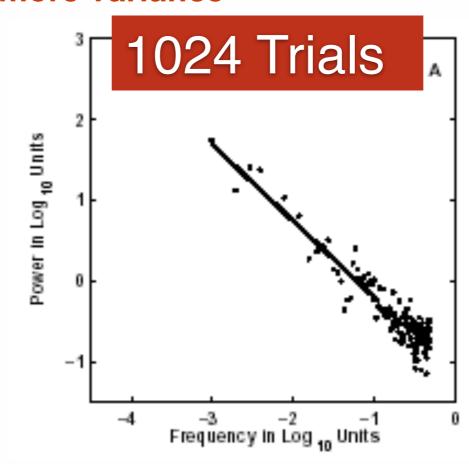
μ±σ are insufficient to characterise dependencies in the data:
e.g. Sample estimates of μ change with N
N = observation time

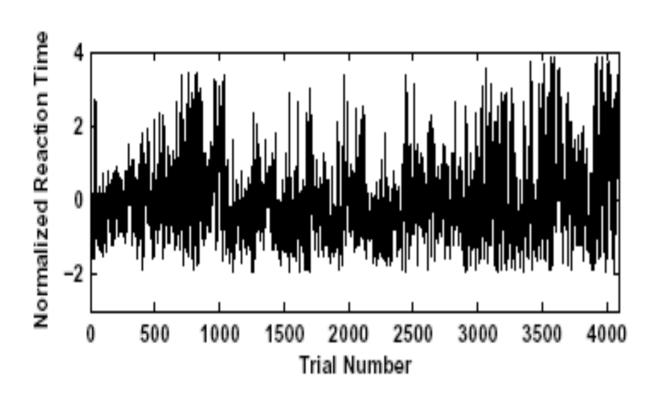


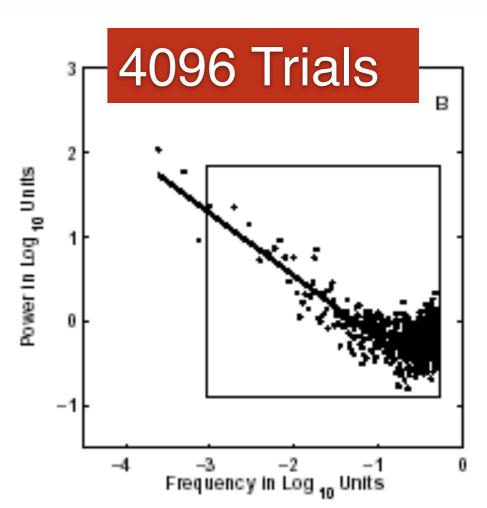


"Statistics": More data = more variance









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