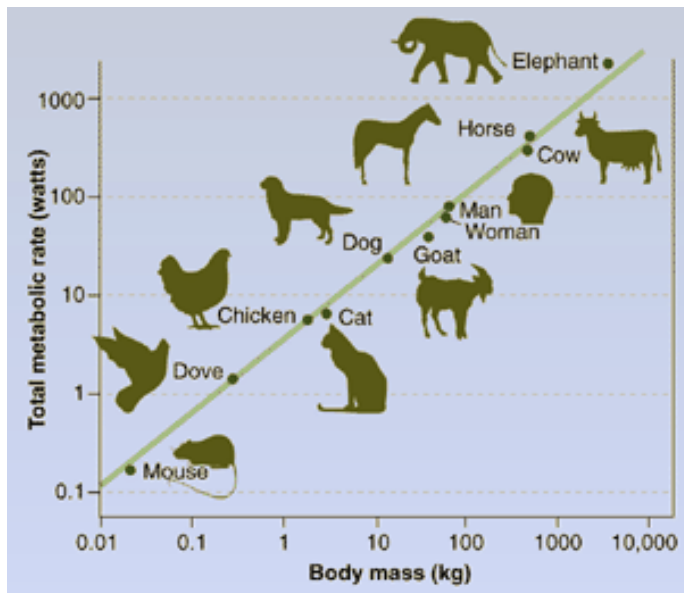
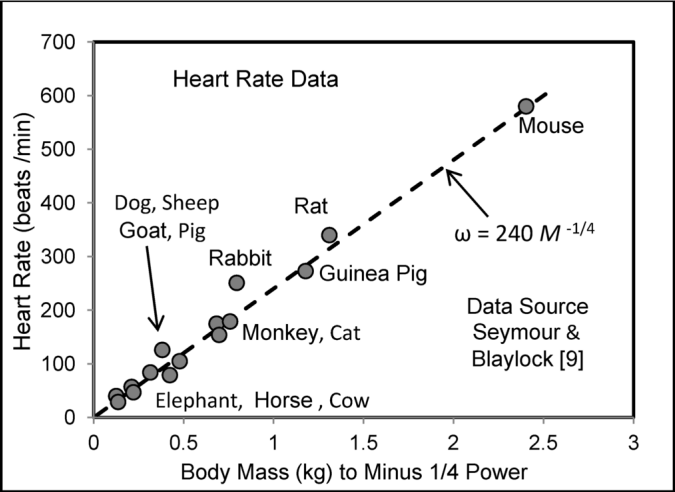


Peso em Relacao a Taxa Metabolica



Peso versus Batidas Cardiacas



Peso versus Calor Produzido

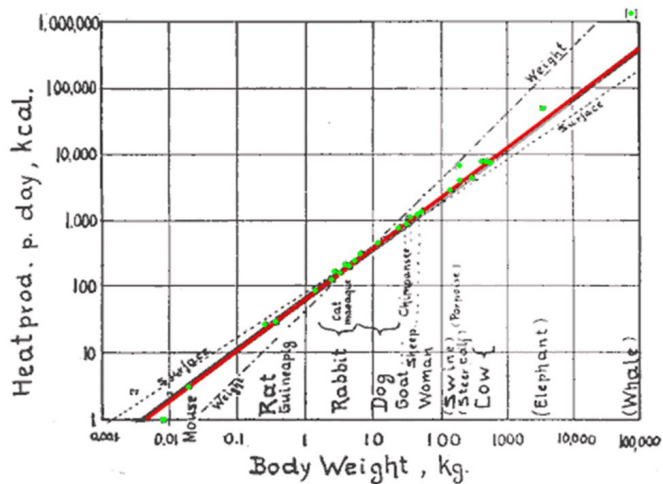
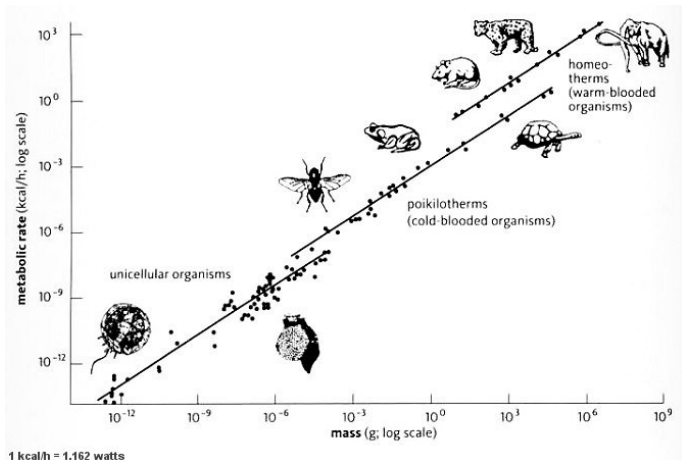
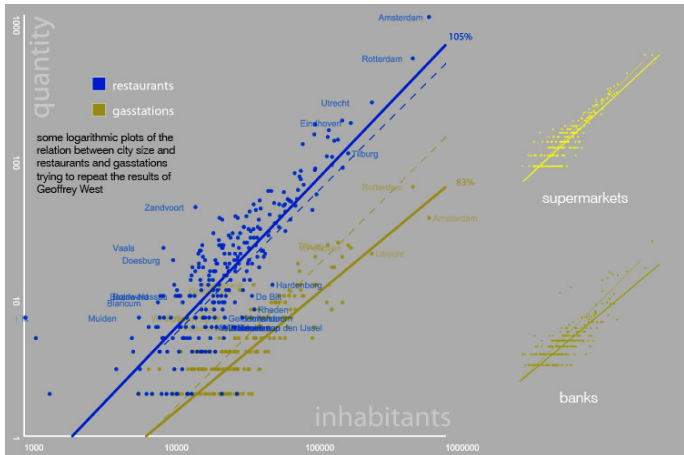


Fig. 1. Log. metabol. rate/log body weight

Reptiles e especies singular-celular tambem



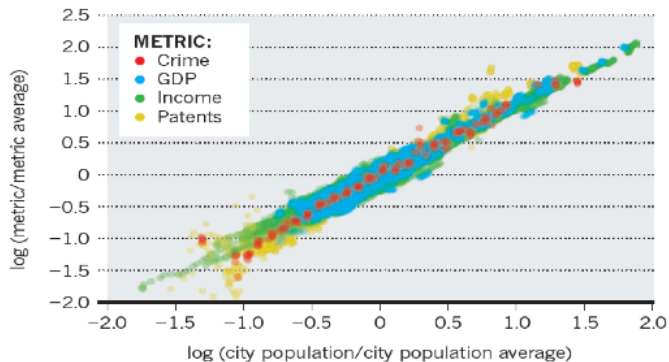
Cidades tambem sao Redes?



Cidades, os Redes Sociais

PREDICTABLE CITIES

Data from 360 US metropolitan areas show that metrics such as wages and crime scale in the same way with population size.



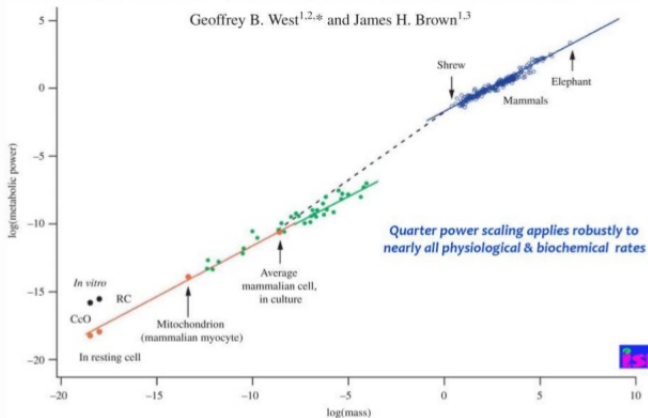
Economia em Escala

The Journal of Experimental Biology 208, 1575-1592
Published by The Company of Biologists 2005
doi:10.1242/jeb.01589

Review

The origin of allometric scaling laws in biology from genomes to ecosystems: towards a quantitative unifying theory of biological structure and organization

Geoffrey B. West^{1,2,*} and James H. Brown^{1,3}



Unbounded Growth Requires Accelerating Cycles of Innovation to Avoid Collapse

