Human evolution

Patterns of evolution

The evolution of primates

Apes

Learning about the past

Emergence

Sociality

Outline

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Exit
Madison Avenue
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Track

Similarities and differences

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Equator
PERMIAN
225 million years ago
LAURASIA
TETHYS SEA
GONDWANALAND
Equator
TRIASSIC
200 million years ago
Equator
JURASSIC
150 million years ago
Equator
CRETACEOUS
65 million years ago
NORTH AMERICA
ASIA
INDIA
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AUSTRALIA
ANTARCTICA
PRESENT DAY

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    - * And we're good at recognizing them – more observer bias

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Apes

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Emergence

Sociality

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cf. Pyroraptor
100 µm
Gorgosaurus
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A. deyiremeda
A. garhi
A. sediba
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P. aethiopicus
P. boisei
P. robustus
Early Homo
H. habilis
H. rudolfensis
H. erectus
Recent Homo
H. heidelbergensis
Denisovans
H. neanderthalensis
H. floresiensis
H. sapiens
4
3
2
1
Present
Time (millions of years ago)

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Outline

Patterns of evolution
Context for evolution

The evolution of primates

Apes

Learning about the past

Emergence

Sociality

Complex foraging

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Gorilla gorilla upper canines
Breadth mm
Length (mm)
Males
Females
Gorilla gorilla lower canines
Breadth (mm)
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Males
Females
Pan troglodytes upper canines
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Simulated gorillas
count
15
10
5
0
12
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