

# ANTH 42

## Lect 16: Asian apes

# Quiz clock

Minutes remaining: **ONE**

30 sec ...

5 4 3 2

## Where does pattern lie?

Science is about detecting and then explaining patterns. For behavior, much debate about whether pattern is "inside" (nature) or "outside" (nurture). But what if the pattern lies only in the observer's mind?

Youngest ascendency

Priority of Access & the  $\alpha$  male

M1

M1.3

M1.2

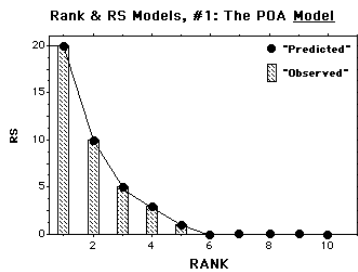
M1.1

M2

M2.2

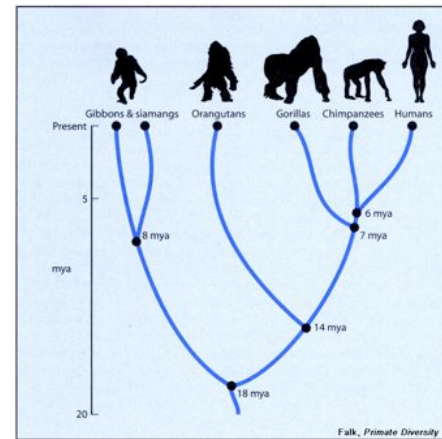
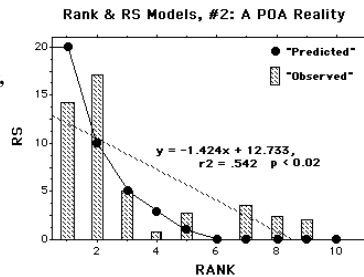
M2.1

How does this work?



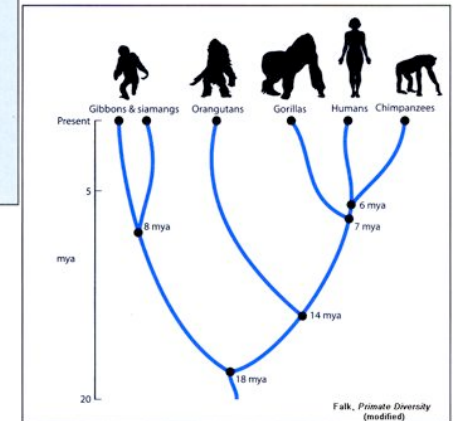
Predict mathematically, then see if observed fits expected.

No, but not bad...



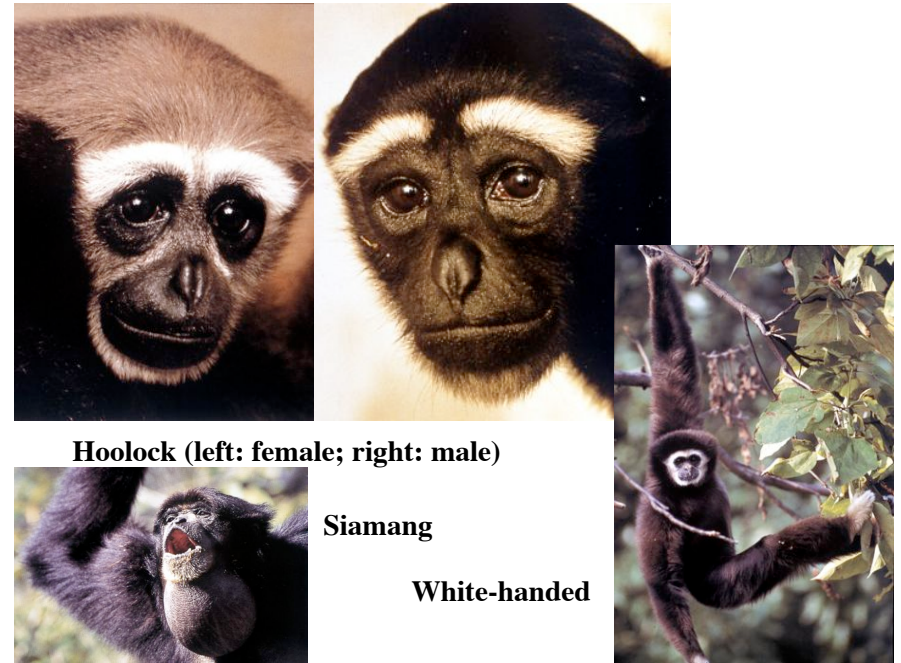
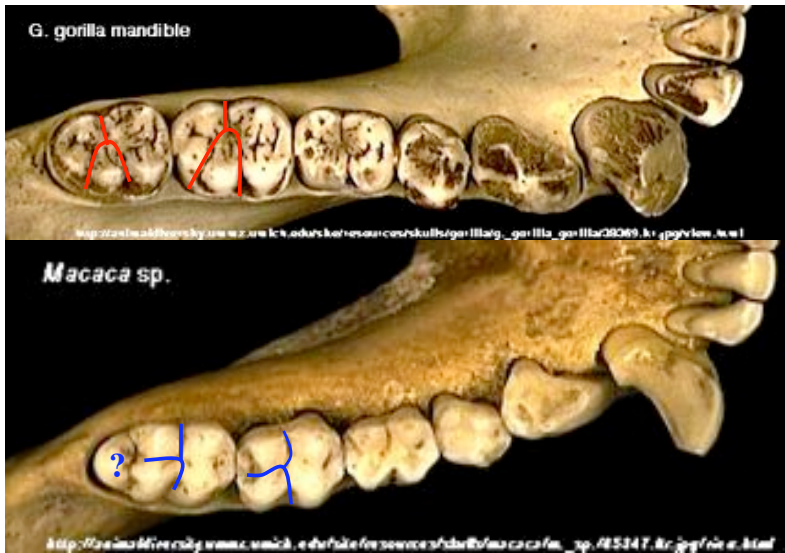
## The apes

What story does this diagram tell (at least, if you speak a European language)?



See it now?

# The apes



Hoolock (left: female; right: male)

Siamang

White-handed



White-handed gibbon (*Hylobates lar*): color variation unrelated to age/sex? unique.

>30% with healed fractures; ? mortality from falls.

Where does a young gibbon go to live?

Why *duet* (v. both calling independently)?

If duetting is overkill for intergroup (Falk), why spend so much energy reinforcing bond?

*Cousins: The Apes*

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Territoriality + long life = saturated habitat; conventional model says look for another disperser & then find a vacant area - but what odds?

So - how are gibbons like pharaohs? Information: 2 fit adults here, stay away (~ howlers), v. 2 fit adults whose ability to closely coordinate behavior means they a team. On this view, how might siamang swinging contribute to the message (picture yourself swinging *and* singing)

Many other ways to reinforce bond (e.g. grooming) that are 'cheaper'. Is it *making* commitment, or *advertising* commitment? Or, is it making commitment *by* advertising it? Zahavi and "why shout?"

