

LS 2201 Assignment 02

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1. Find out where they live ?

The Proboscis monkey is found mostly on the coastal areas and along rivers of Borneo island. They are also found in swamps and mangroves. They usually stay closer to a water body.

2. Do all members of this species have such a nose ?

No, Only the adult males of this species have a huge pendulum like nose. Although the females do have a bigger nose than their primate counterparts but are smaller comparatively smaller than males.

3. Can you think of two reasons why they might have such a long nose ?

Due to this long nose they are able to create a loud vocalisations (honks) as this organ can act like an echo chamber amplifying the call. I can provide the following reasons as to what advantage they get due to this advantage

1. One reason might be to attract females. Some females might have preference to males with loud vocalisations. Thus males with longer nose might create longer vocalisations. Thus may attract more female partners.
2. Another reason might be to intimidate the rivals of the males. A louder honk or roar might threaten their rivals allowing them to have more advantage in reproduction.

4. Are they always expected to have such a long nose ?

For the time the long nose provides advantage to the males when it comes to mating. So yes. But if for some reason due an external influence the males with certain traits that might have more advantage in that environment can make the long nose trait obsolete. Thus in that situation they might not be expected to have such a long nose.