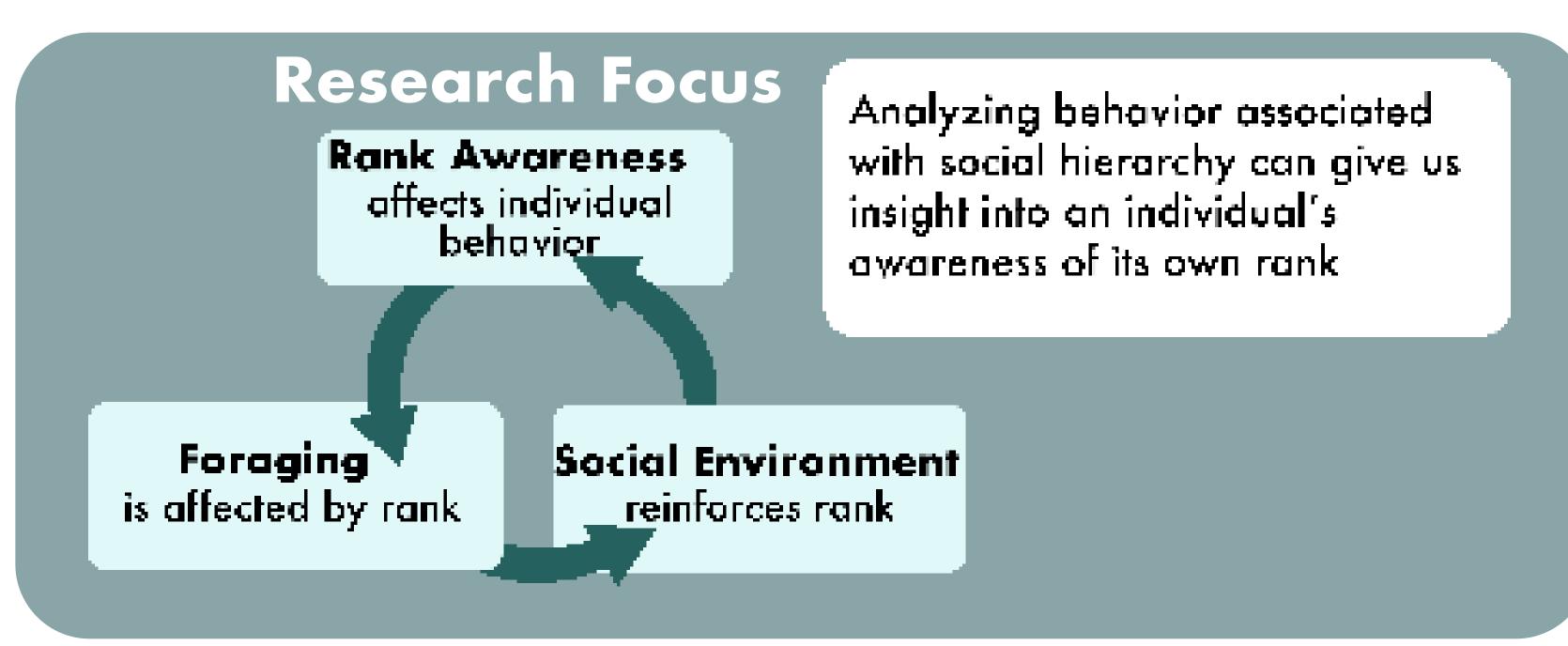
### INCREASED VISITATION TO UNOCCUPIED FEEDERS CAN RELIABLY INDICATE A DECREASE IN SOCIAL RANK IN CAPTIVE MONK PARAKEETS

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#### Does rank influence foraging behavior in monk parakeets?

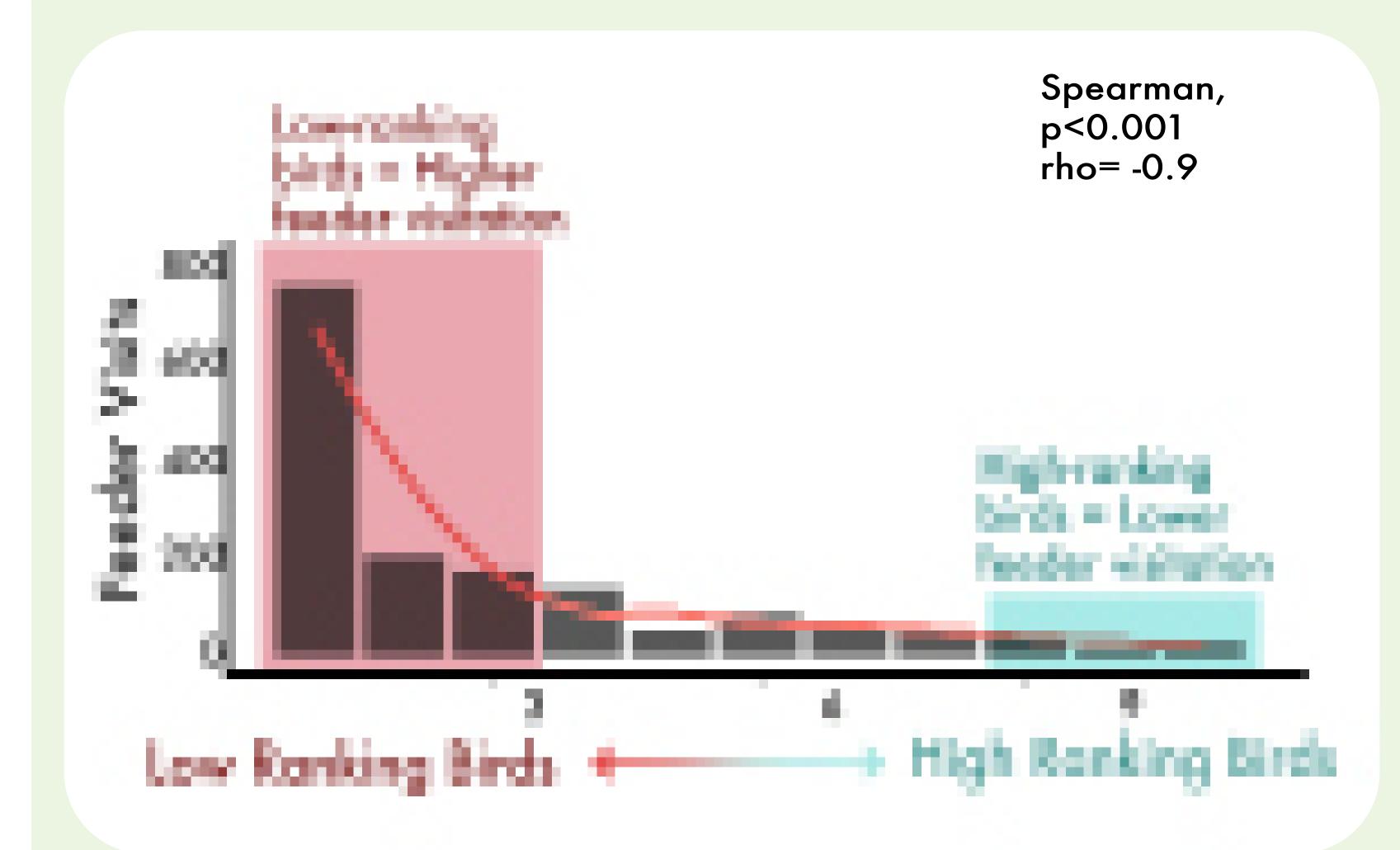
Certain ranks should be first to approach the feeder more frequently than others.

## Methods Hierarchy Reforms Hierarchy Forms Removed Bird Isolated Reintroduced Low Who Visits Unoccupied Feeder First?

#### Do birds change their foraging behavior when their rank changes?

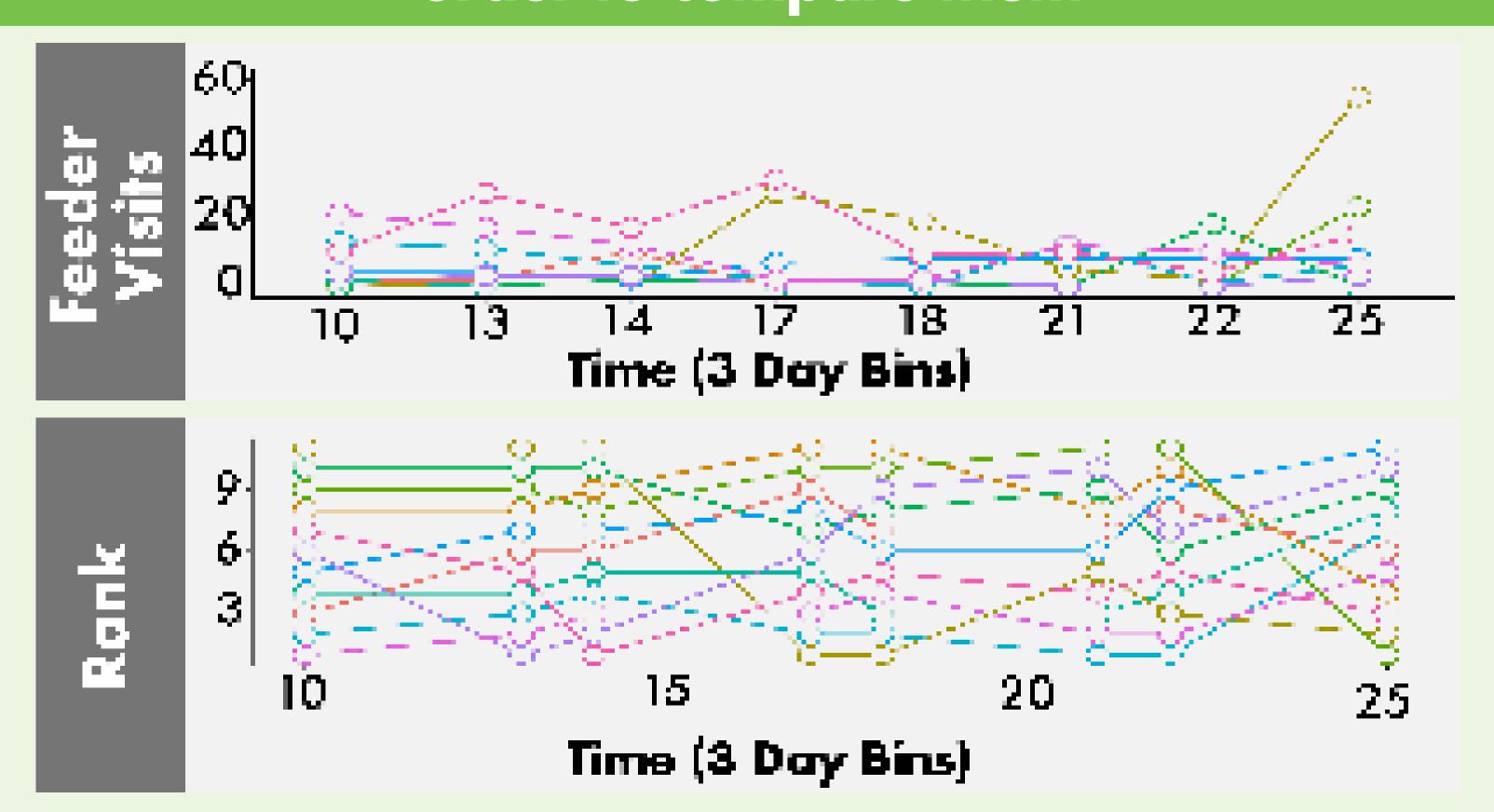
An individuals number of feeder visits should increase following a fall in rank.

#### Rank influences foraging behavior



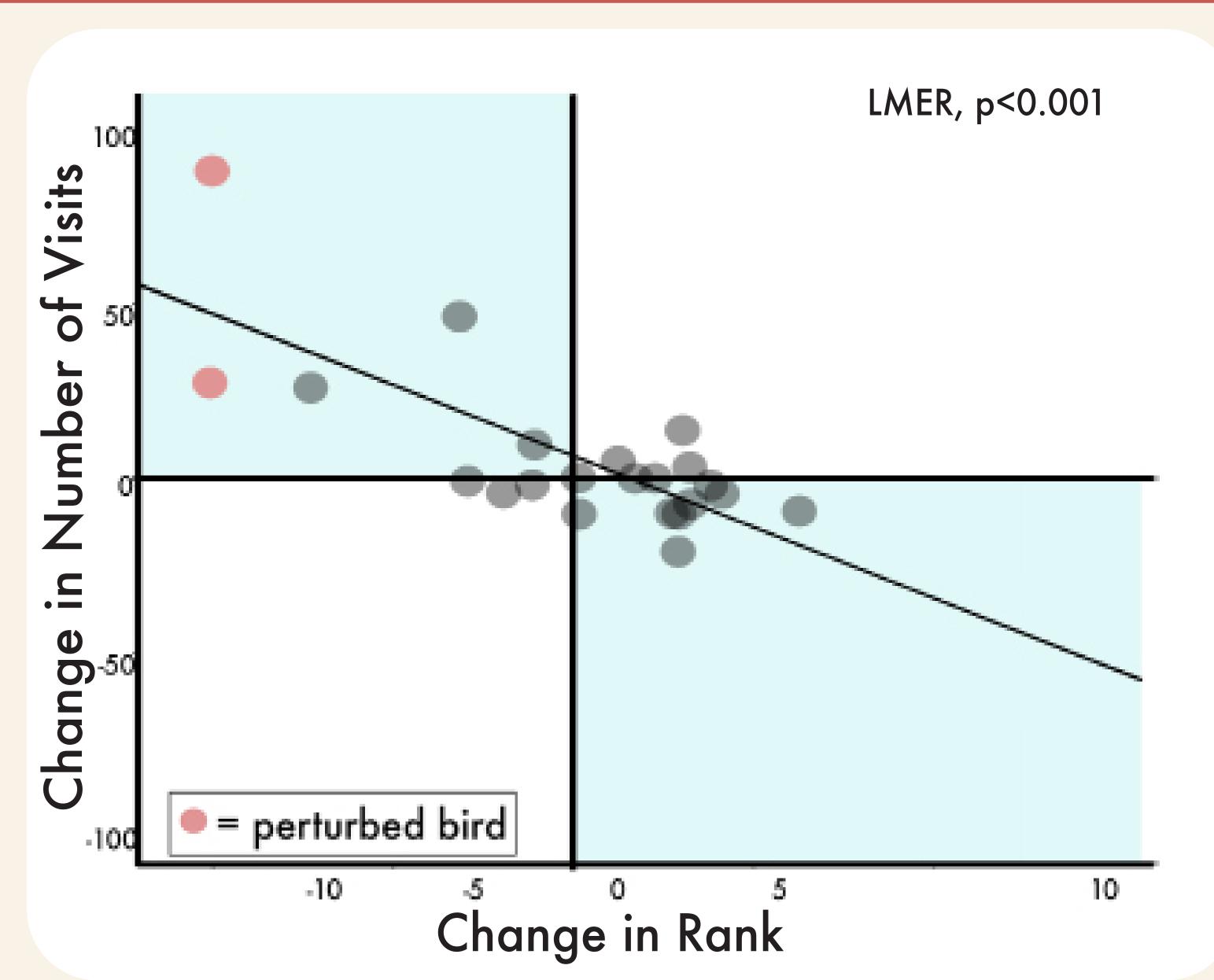
Lower ranked birds approach unoccupied feeders significantly more frequently than higher ranked birds.

## Rank and foraging behavior must both change in order to compare them



Individuals change in both rank and foraging behavior over time.

# When a bird's rank changes, its foraging behavior also changes



After a large fall in rank, previously top-ranked birds visit the unoccupied feeder more frequently than before their loss of rank.

These individuals increased feeder visitation significantly more that those who experienced a smaller fall in rank.

#### Implications

Researchers may be able to use foraging behavior to quickly and easily gain information about social hierarchy.



