

Vigilance and foraging behaviors of two sciurid species between college campuses and urban environments

Research question: Do squirrels on college campuses and urban environments differ in how much time they spend foraging and being vigilant?

Background:

- Previous work found urban squirrels displayed more vigilant behavior than rural squirrels
- Vehicular and pedestrian traffic, increased noise levels, and human disturbance were hypothesized to be reasons for these behavior differences

Prediction:

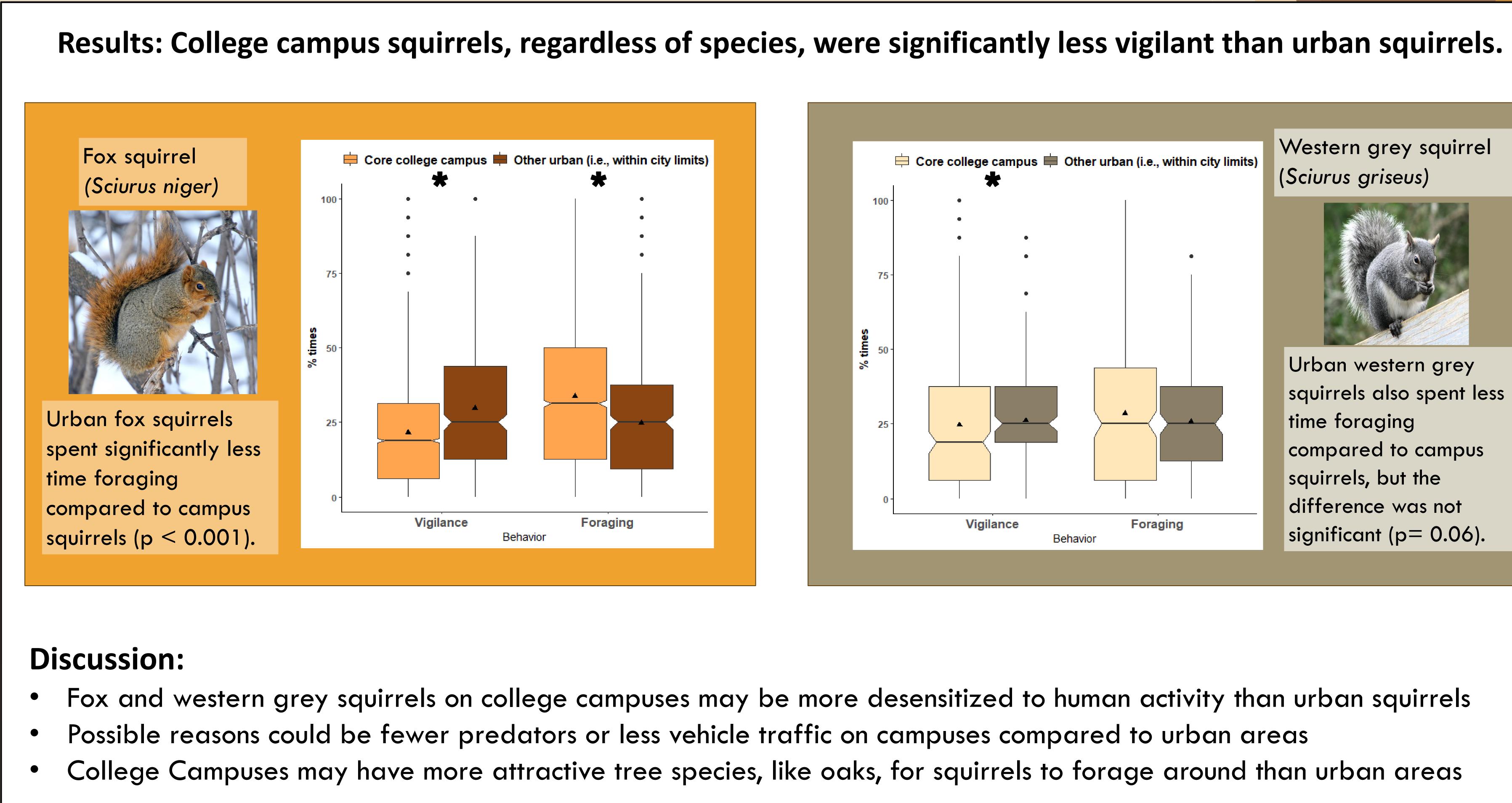
Squirrels observed on college campuses will be less vigilant and forage more than those in urban environments.

Methods:

Observations of Fox squirrels (Sciurus niger) and Western grey squirrels (Sciurus griseus) used for study were from the national Squirrel-Net (squirrel-net.org) behavioral database.

Mann-Whitney tests were performed in R to determine if differences in behavior between college and urban squirrels were significant.

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Western grey squirrel (Sciurus griseus)



Urban western grey squirrels also spent less time foraging compared to campus squirrels, but the difference was not significant (p = 0.06).