# Squirrels on Longwood Campus Miguel Diaz, Lloyd Dominguez, Kelsey English, and Rebecca Mills Department of Biology, Longwood University BIOL 341: Ecology

## Introduction

- between rural animals and urban animals.
- Parker & Nilon, 2012; Uchida et al, 2016)

on campus at Longwood University?



### Results

• <u>Distribution</u>: highest frequency of squirrels reported in Cox & Wheeler (Figure 2). • <u>Activity</u>: highly active, 82% of squirrels were reported to be moving around (Figure 3).





• Squirrels are highly active on Longwood's campus and are able to adapt to various locations, regardless of canopy coverage. • Squirrels on campus were most observed in locations with high canopy cover (Cox & Wheeler) compared to locations with low canopy cover (Brock Commons)

• Squirrel counts and behaviors were only observed in the afternoon • Weather affected our ability to spot squirrels

## References

Merrick, M. J., Evans, K. L., & Bertolino, S. A. N. D. R. O. (2016). Urban grey squirrel ecology, associated impacts and management challenges. The Grey Squirrel: Ecology Management of an Invasive Species in Europe, 57-77.

Parker, T. S., & Nilon, C. H. (2012). Urban landscape characteristics correlated with the synurbization of wildlife

Uchida, K., Suzuki, K., Shimamoto, T., Yanagawa, H., & Koizumi, I. (2016). Seasonal variation of flight initiation distance in Eurasian red squirrels in urban versus rural habitat. Journal of Zoology, 298(3), 225-231.

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