



# Coyote Diel Activity in High Versus Low Forest Cover

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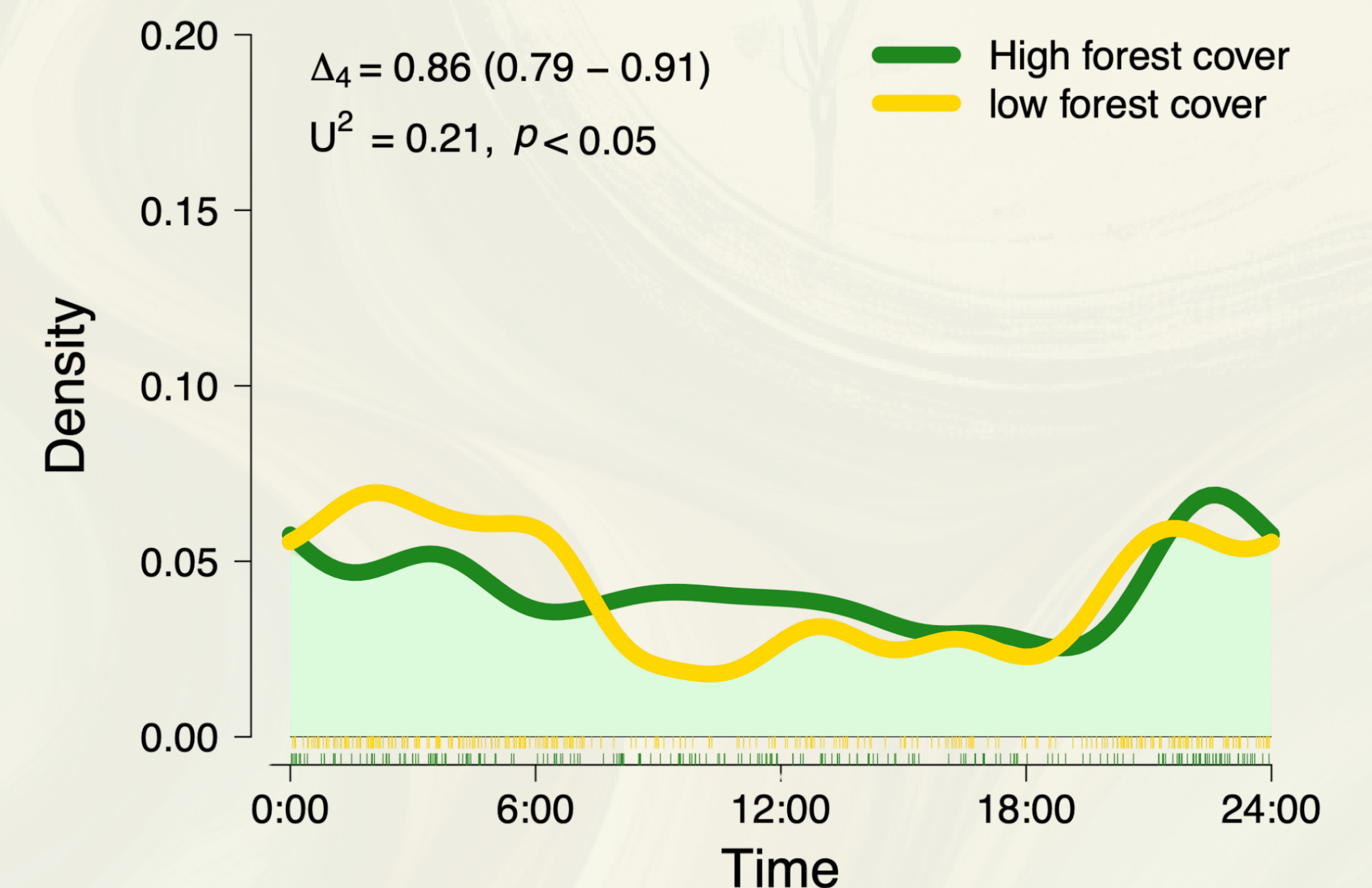
## Introduction

- Coyotes **have expanded their range** across the United States, occupying most of the ecoregions and habitat types in the country
- This may be due, in part, to coyotes' ability to exhibit **behavioral plasticity in response to environmental change**
- In particular, **coyotes may alter their diel activity patterns** to avoid times when apex predators are active or to avoid human-coyote conflict, and these **changes in activity may be habitat dependent**
- In this study, we used trail camera data from northern Utah to investigate whether **coyote diel activity patterns changed in response to low versus high forest cover**



## Results

### Coyote daily activity



## Hypothesis and Predictions

- We hypothesized that **coyote diel activity behavior would differ based on forest cover**
- We predicted that coyotes would be **more nocturnal in low forest cover** because of the presence of humans and the lack of cover

## Applications/Future Direction

- Coyotes **behave differently in response to habitat and cover availability**, so coyote management should incorporate habitat-dependent measures, when appropriate
- Additional habitats and species should be included, **elucidating whether this type of behavioral plasticity extends beyond coyotes and forest cover**

### Coyote Activity

