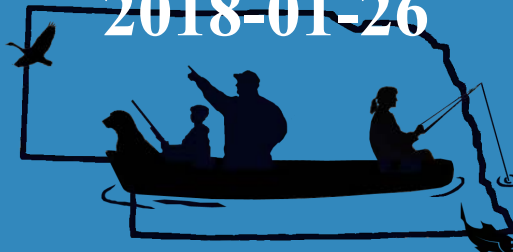


Learning About People to Better Manage Wildlife

Rainwater Basin Joint Venture 23rd Annual Informational Seminar

Christopher J. Chizinski

2018-01-26



Biota



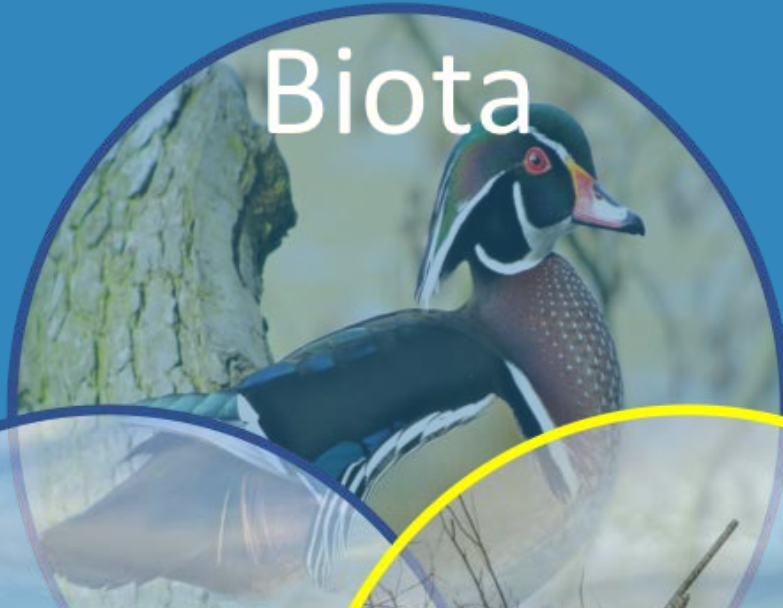
Habitat



Users



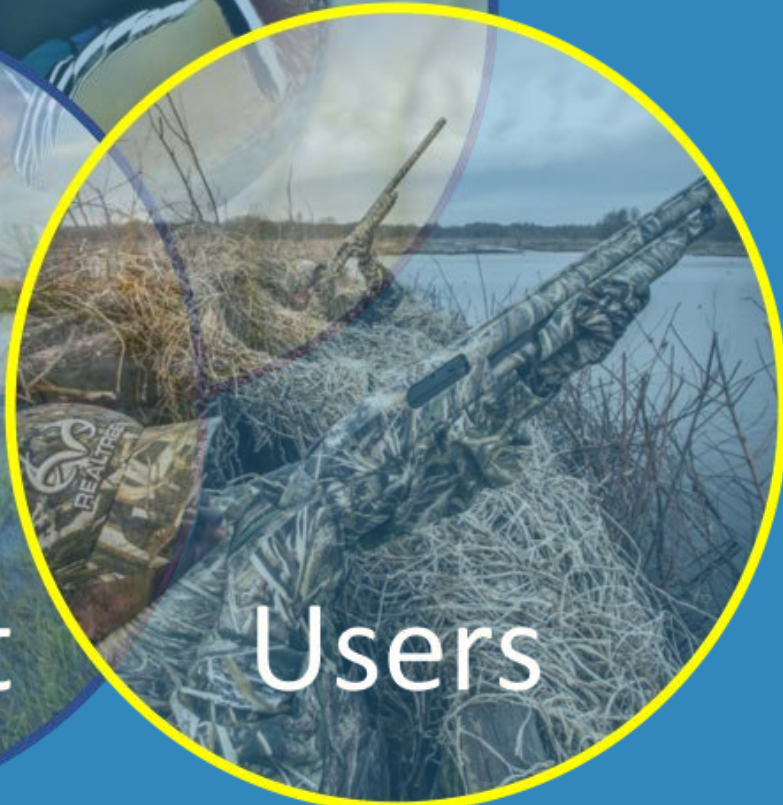
Biota



Habitat



Users



Values of wildlife: Recreation

- 101.6 million Americans participated in hunting, fishing or wildlife viewing
- \$156.3 billion spent on those activities



Values of wildlife: Education

- Developing cognitive skills in kids
- Environmentally informed citizens
- Citizen science
- Undergraduate and Graduate students



Values of wildlife: Aesthetics

- Appreciate seeing wildlife in the natural environment
- Symbols
- Artwork, decorations, films



Values of wildlife: Biological

- Functional role of wildlife in natural communities
- Pollination, seed dispersal, nutrient cycling, predation



Values of wildlife: Sociocultural

- Hunting and fishing traditions
 - broad family/community involvement
- Opening weekend celebrations and tournaments



Values of wildlife: Commercial

- Regional economy benefits from expenditures
- Employment to guides
- Economic benefit to landowners who lease land



Human dimensions is ...



Human dimensions is ...

- How people *value* wildlife



Human dimensions is ...

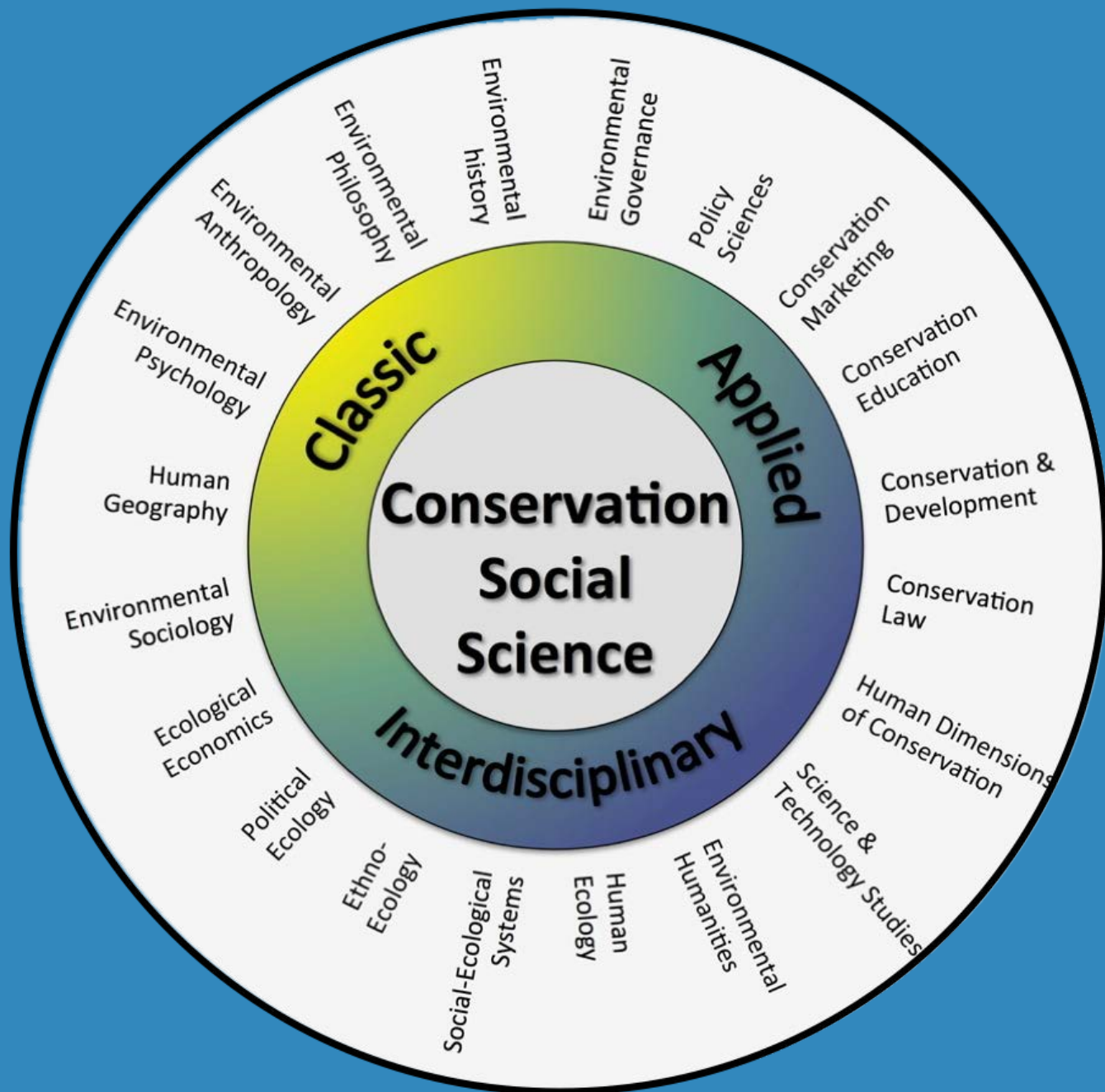
- How people *value* wildlife
- How people affect and are affected by wildlife

Human dimensions is ...

- How people *value* wildlife
- How people affect and are affected by wildlife
- How people want wildlife to be managed

Human dimensions is ...

- How people *value* wildlife
- How people affect and are affected by wildlife
- How people want wildlife to be managed
- How people affect or are affected by wildlife management decisions



Environmental Psychology is the way in which people's thoughts, feelings, and behaviors are influenced by their environment

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- Cognitive approaches
- Motivational approaches
- Satisfaction theory

Environmental Sociology – is concerned with what people do as members of a group or when interacting with one another in the context of the environment

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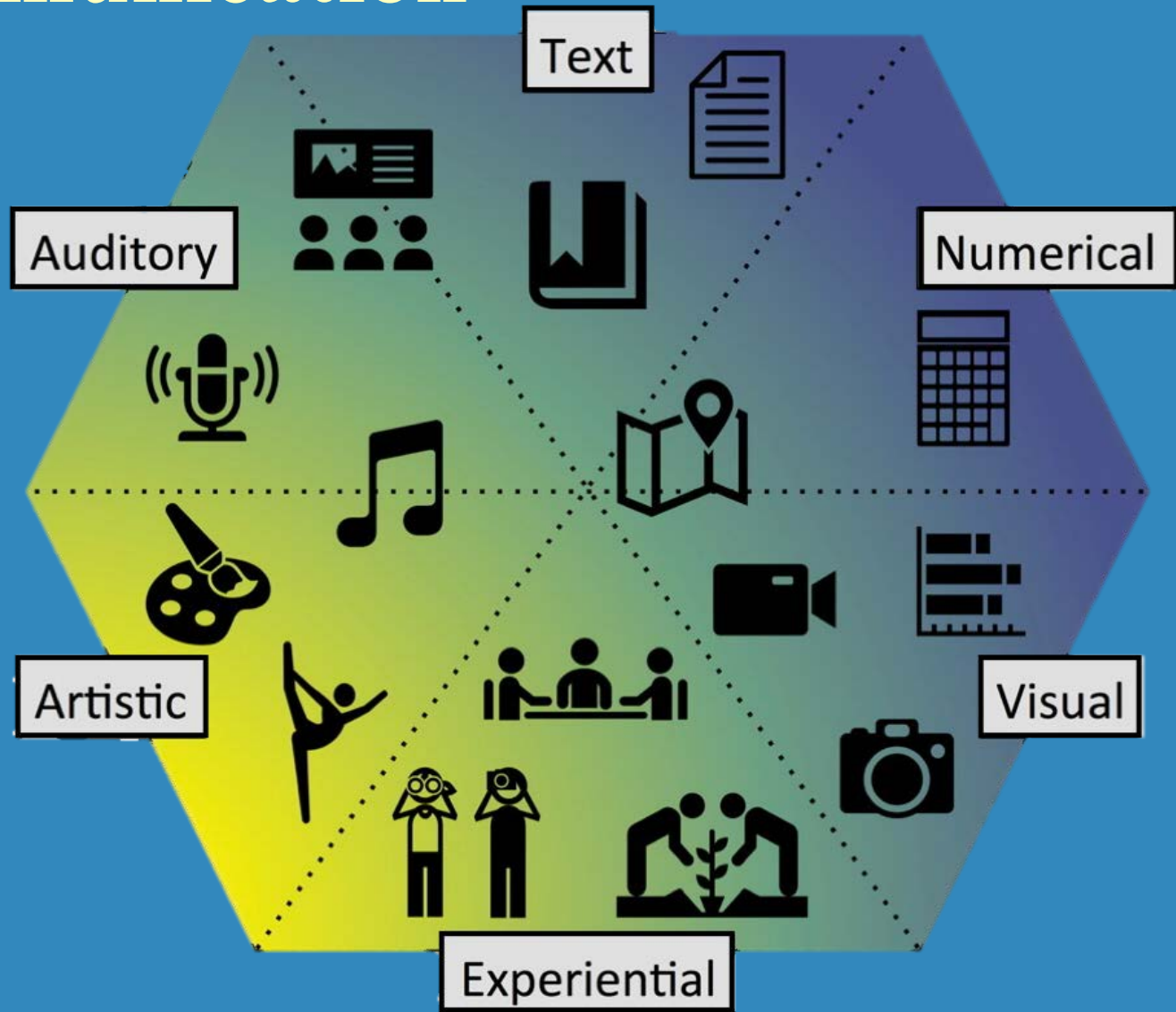
- Prediction of social behavior
- Patterns of regularity in social life
- Social context

Ecological Economics – describes and measures how society meets competing demands among limited resources in the general context of the environment

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1. Consumptive use
2. Subsistence use
3. Non-consumptive use
4. Existence values
5. Option values

Communication



Collecting information



Collecting information





FishHunt.unl.edu

Projects I am involved in

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- Barriers to elk hunting in Nebraska

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- Motivations of small game hunters

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- Barriers to elk hunting in Nebraska
- Motivations of small game hunters
- Satisfaction of hunting in Nebraska

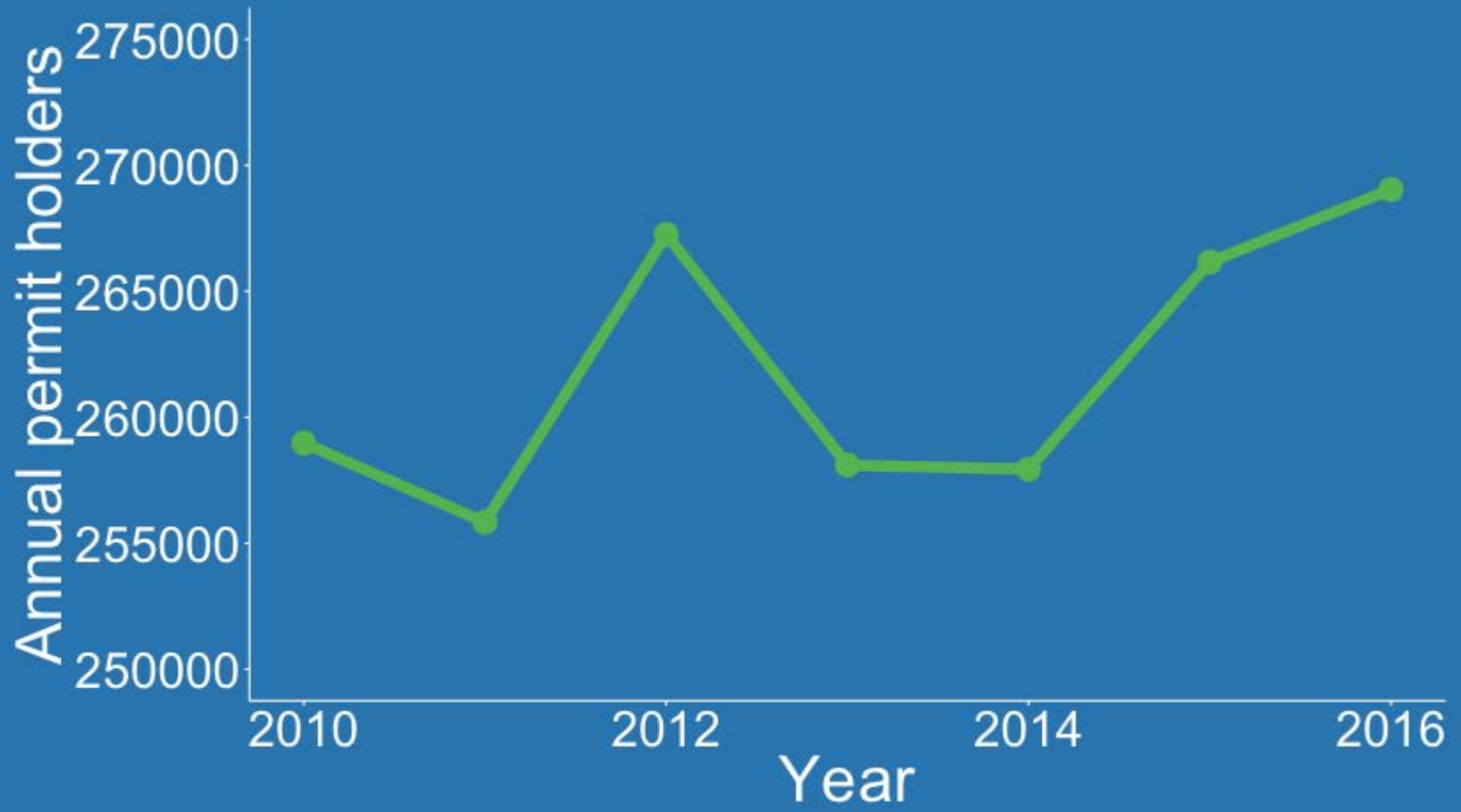
Projects I am involved in

- Barriers to elk hunting in Nebraska
- Motivations of small game hunters
- Satisfaction of hunting in Nebraska
- Barriers to waterfowl hunting

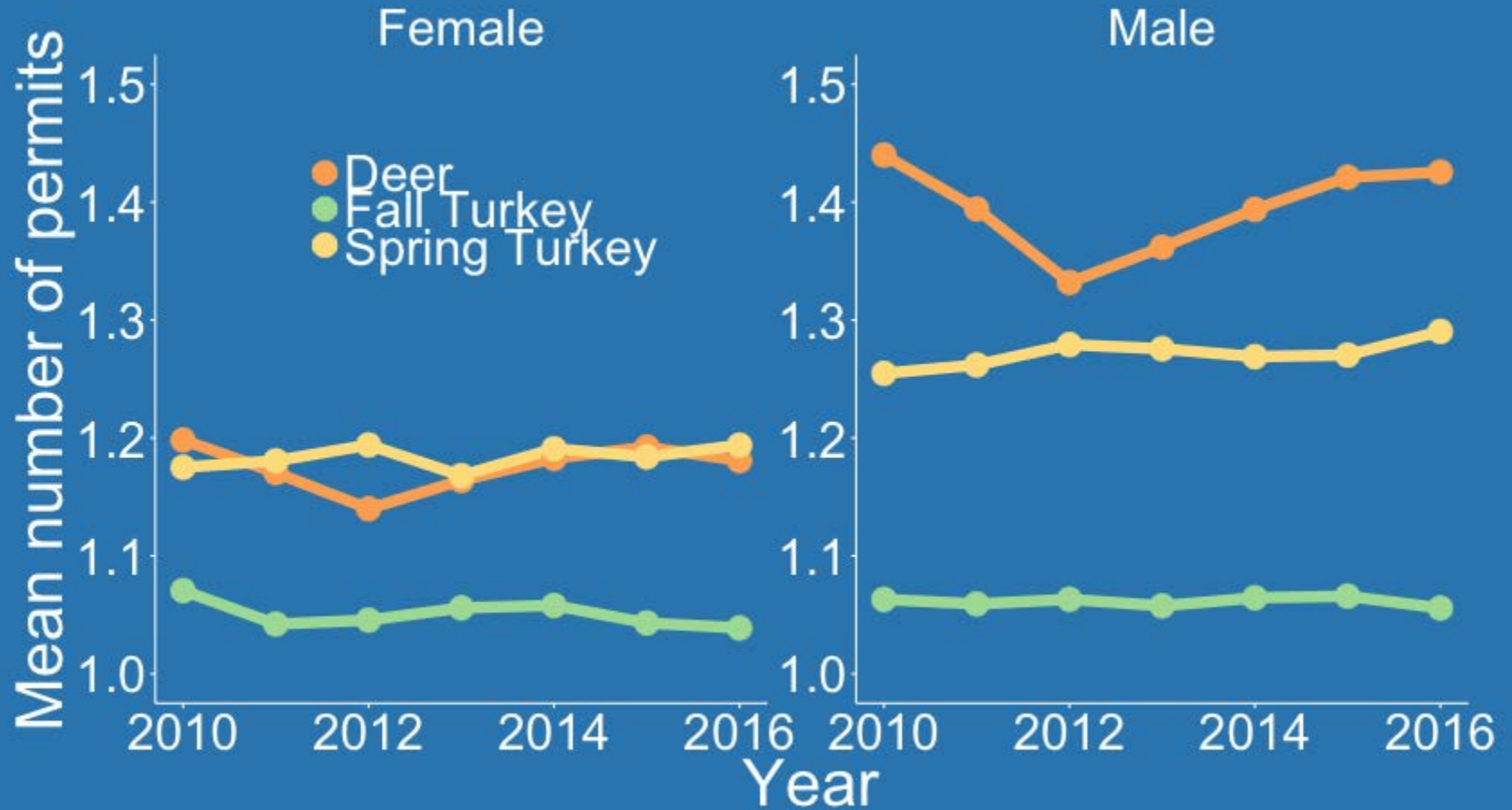
Projects I am involved in

- Barriers to elk hunting in Nebraska
- Motivations of small game hunters
- Satisfaction of hunting in Nebraska
- Barriers to waterfowl hunting
- Mining of sportsperson database

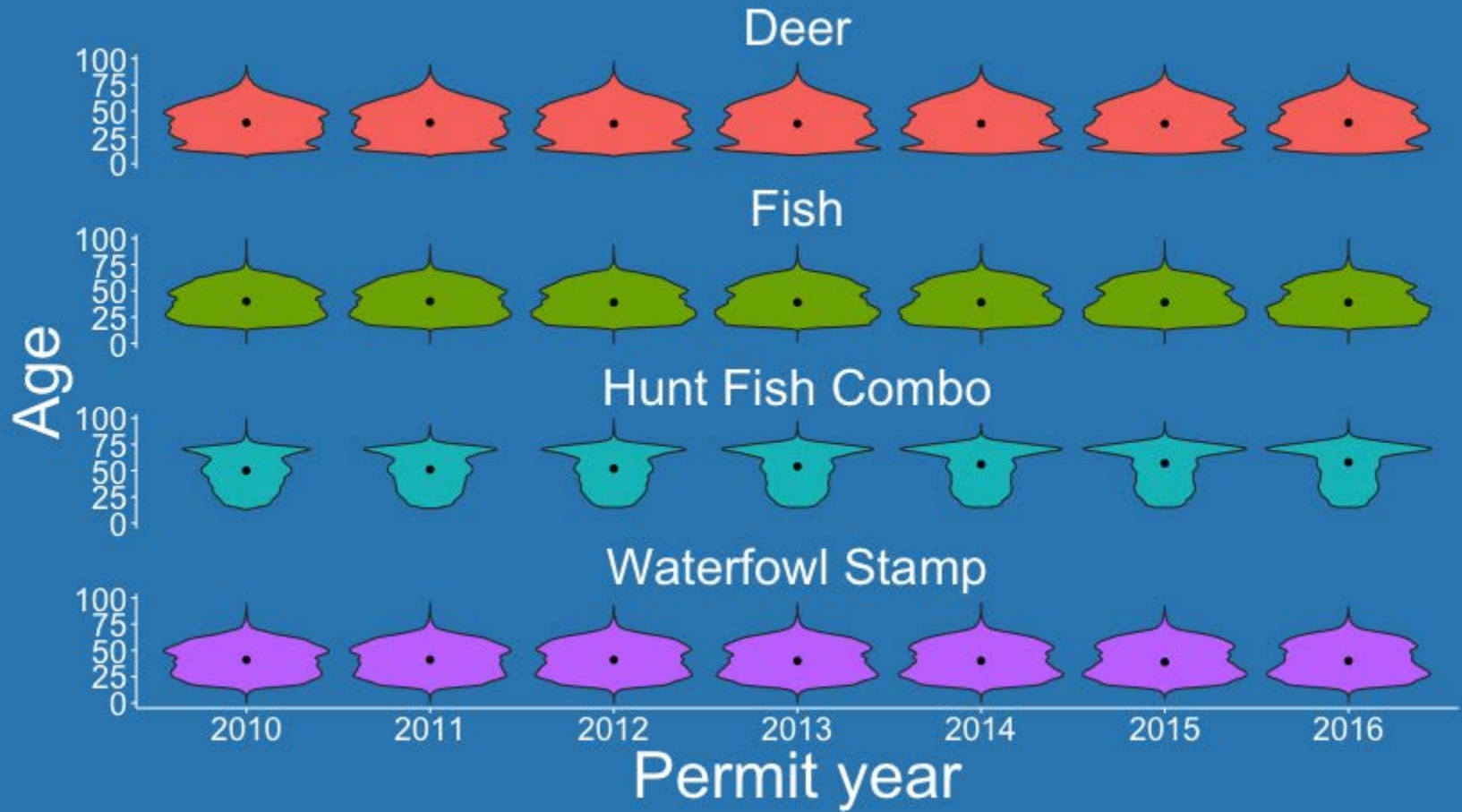
Number of hunters and anglers



Mean number of permits per person



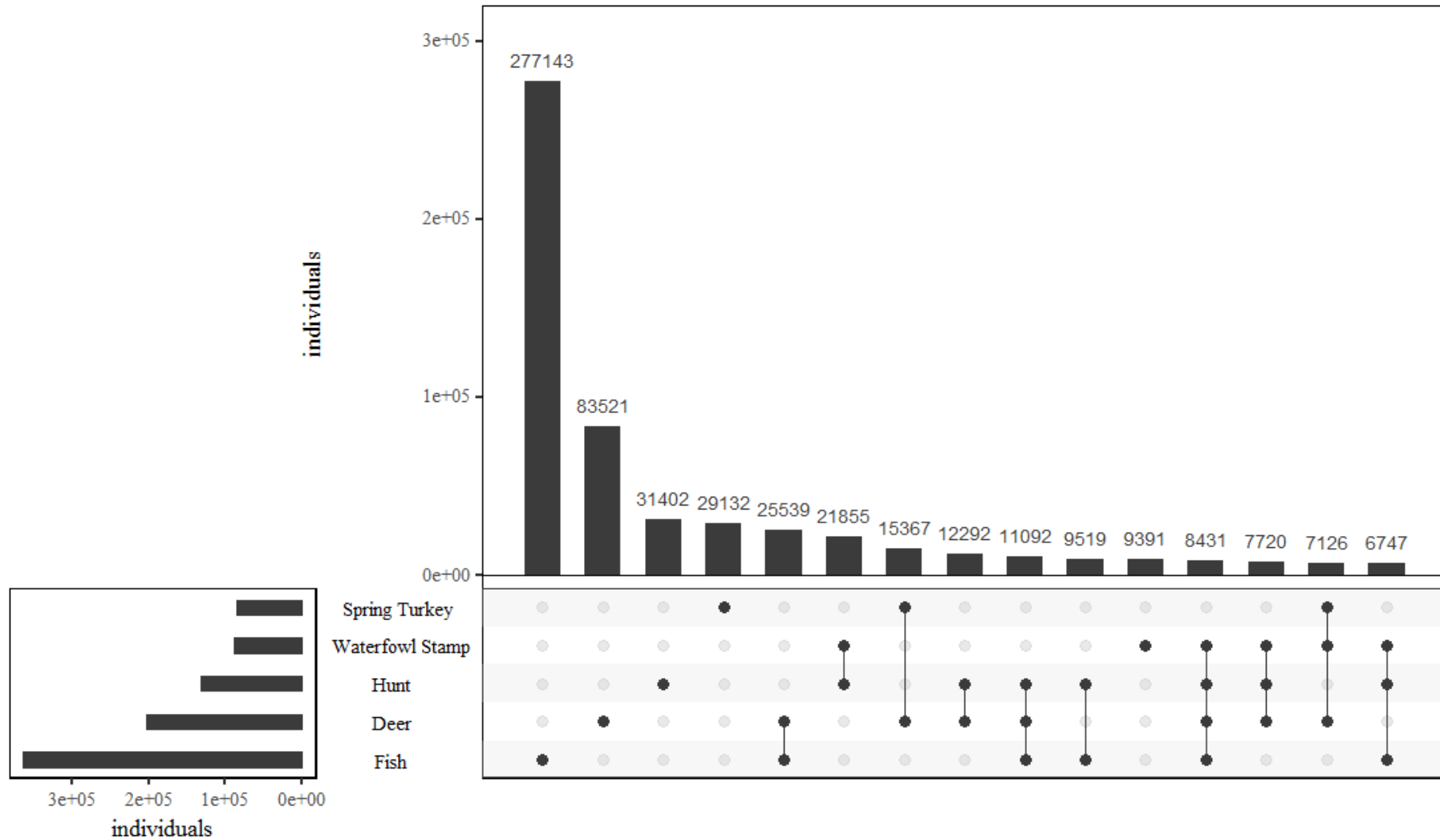
Age distribution of Sportspersons



Activity groupings



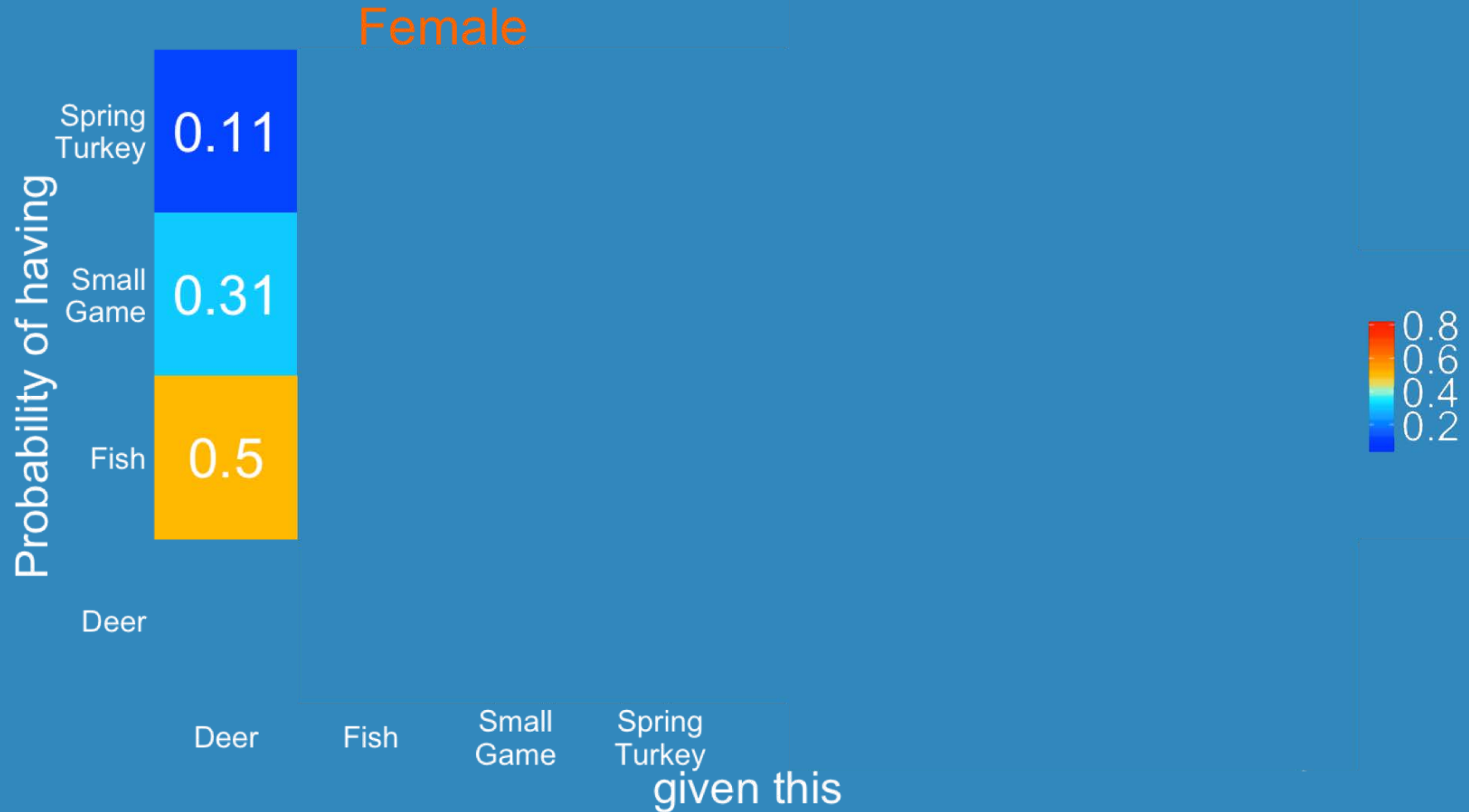
Activity groupings



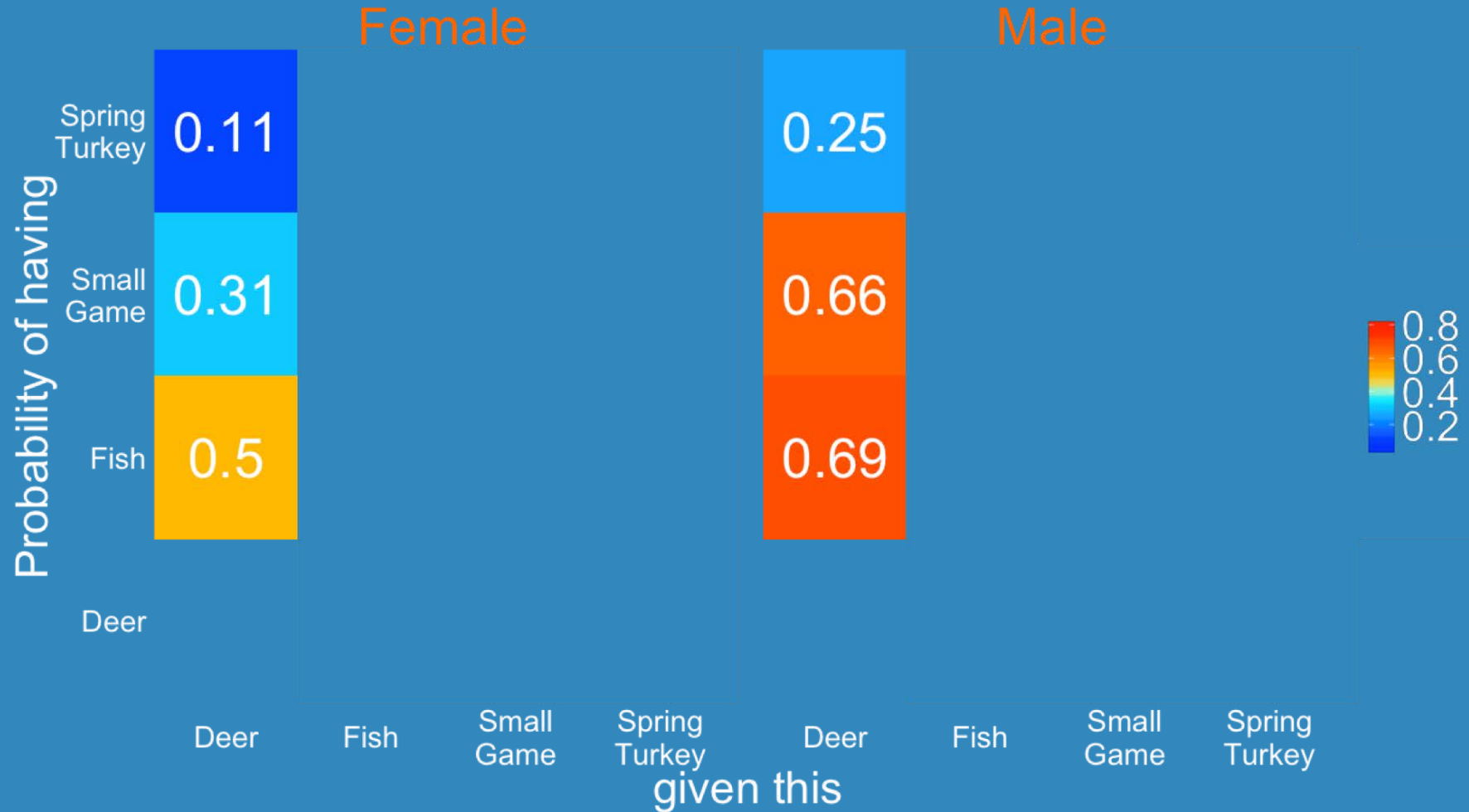
Activity groupings



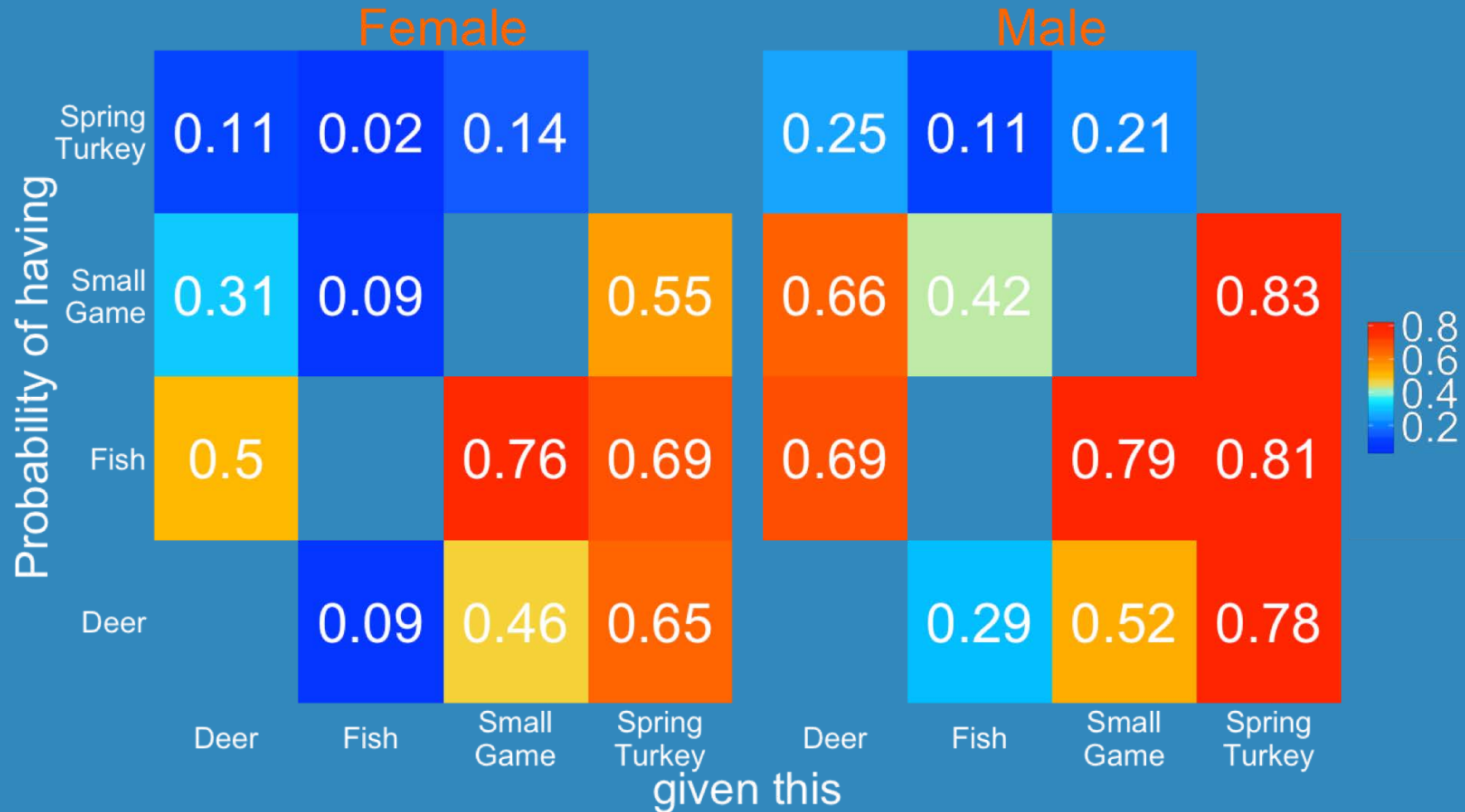
Activity groupings



Activity groupings



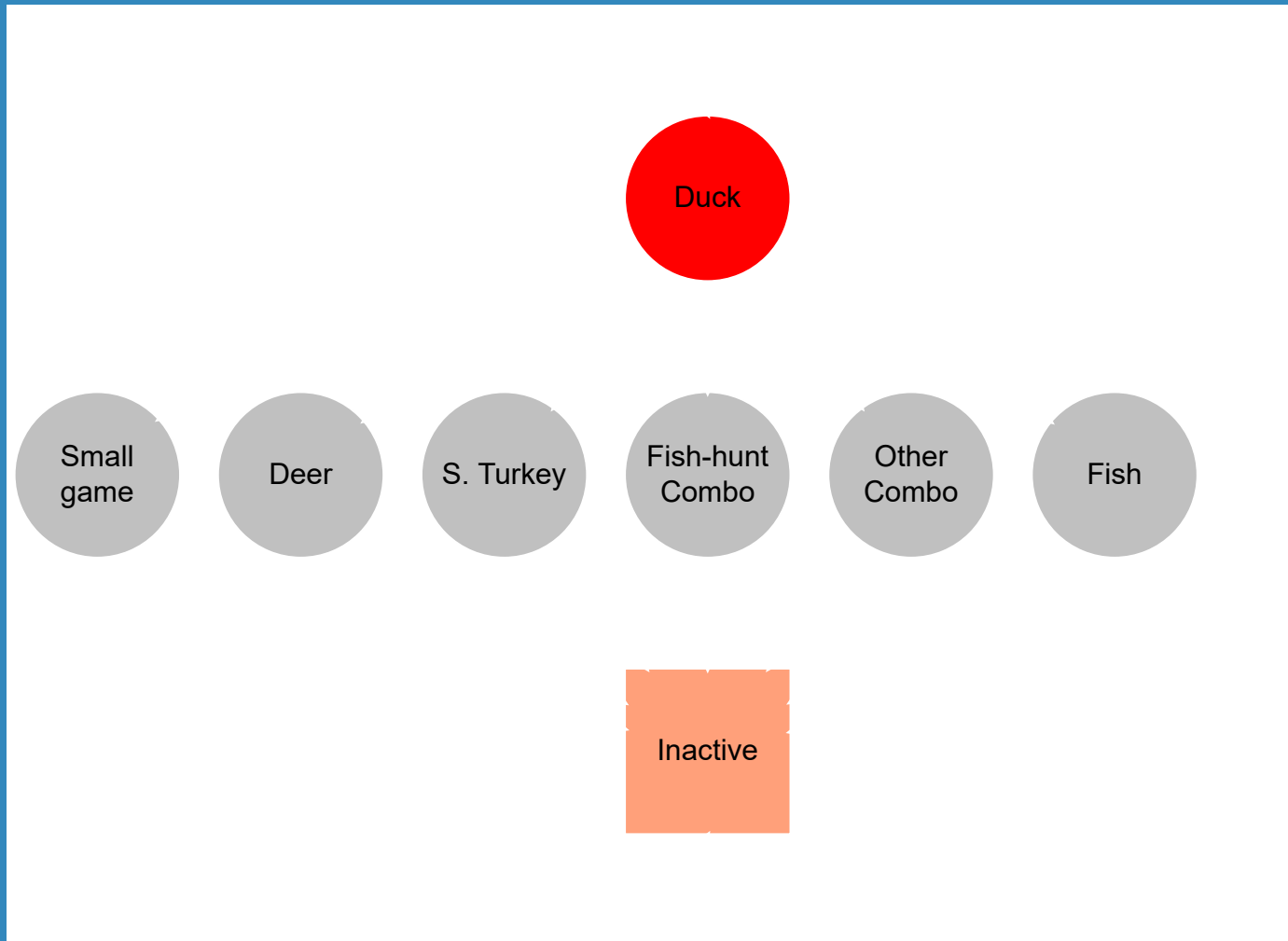
Activity groupings



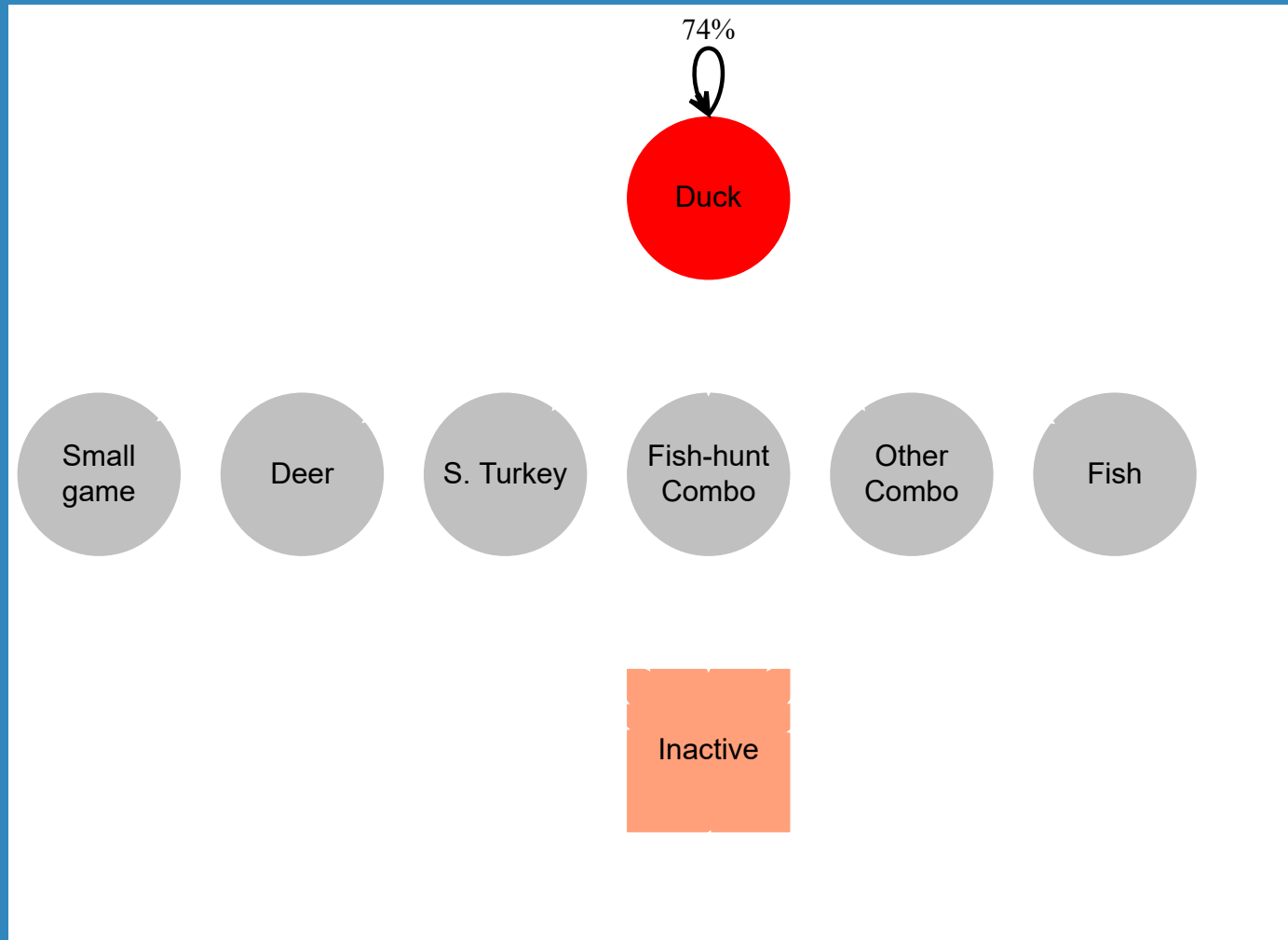
Turnover among hunters



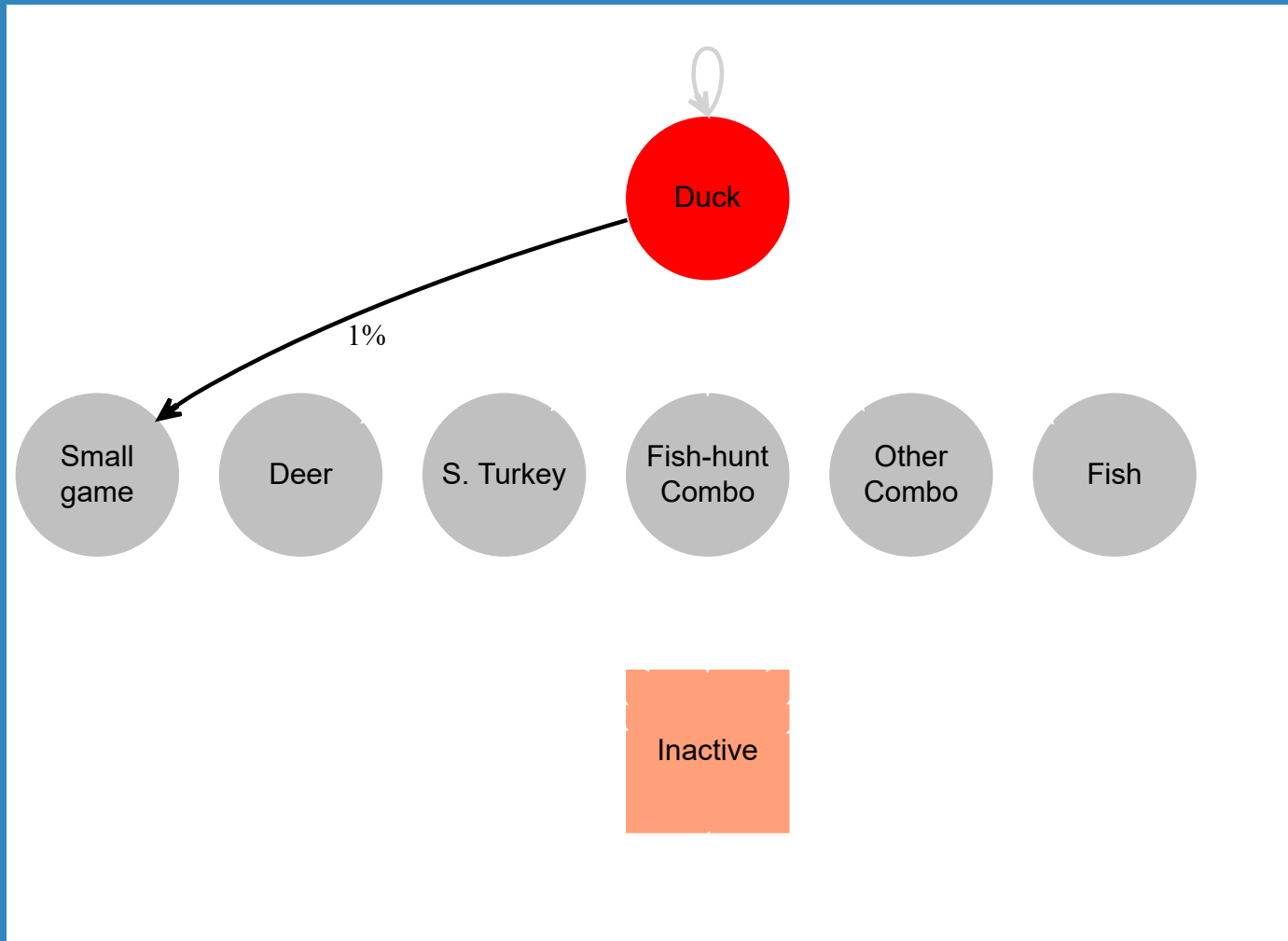
Tracking waterfowl hunters



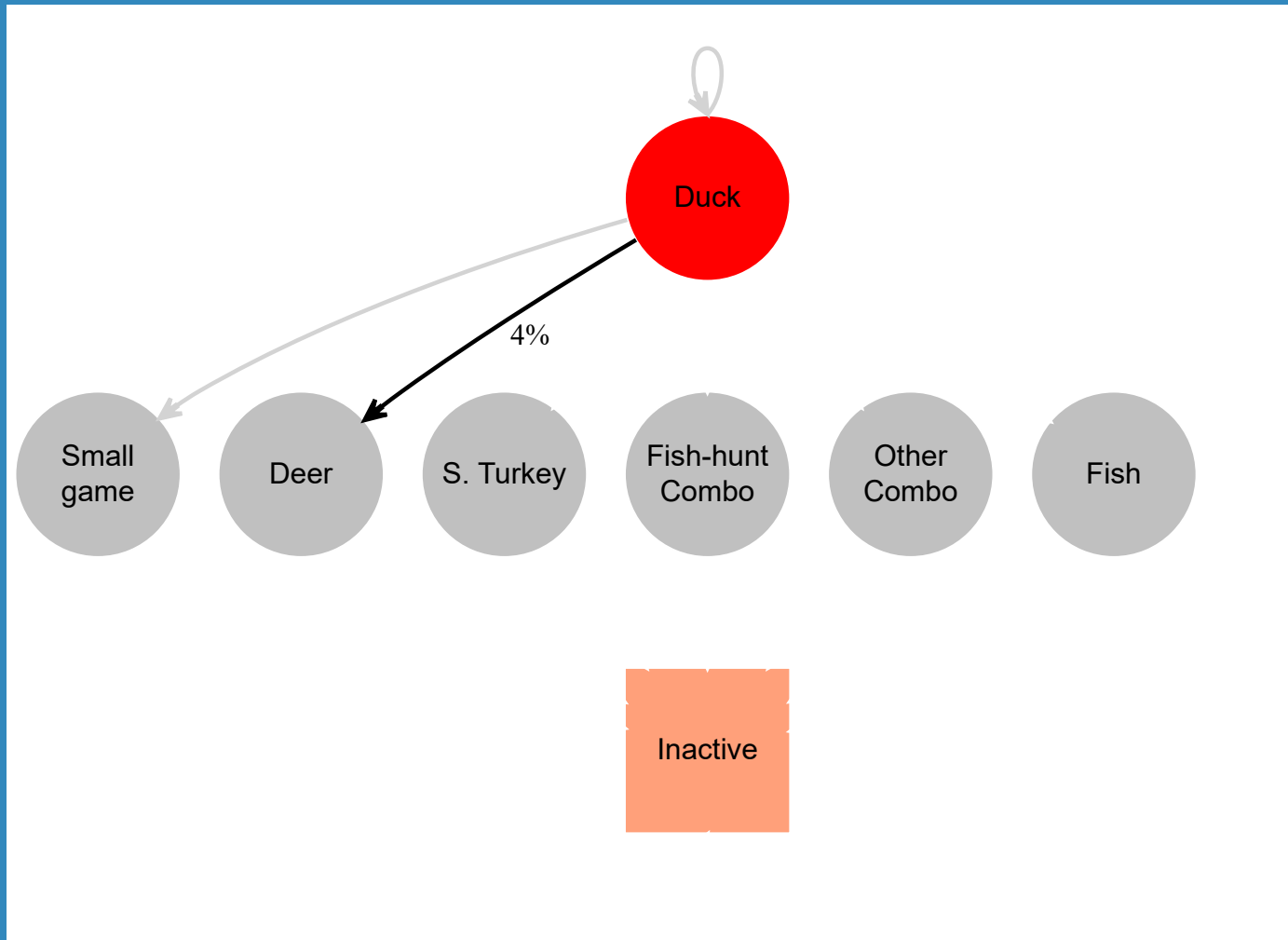
Tracking waterfowl hunters



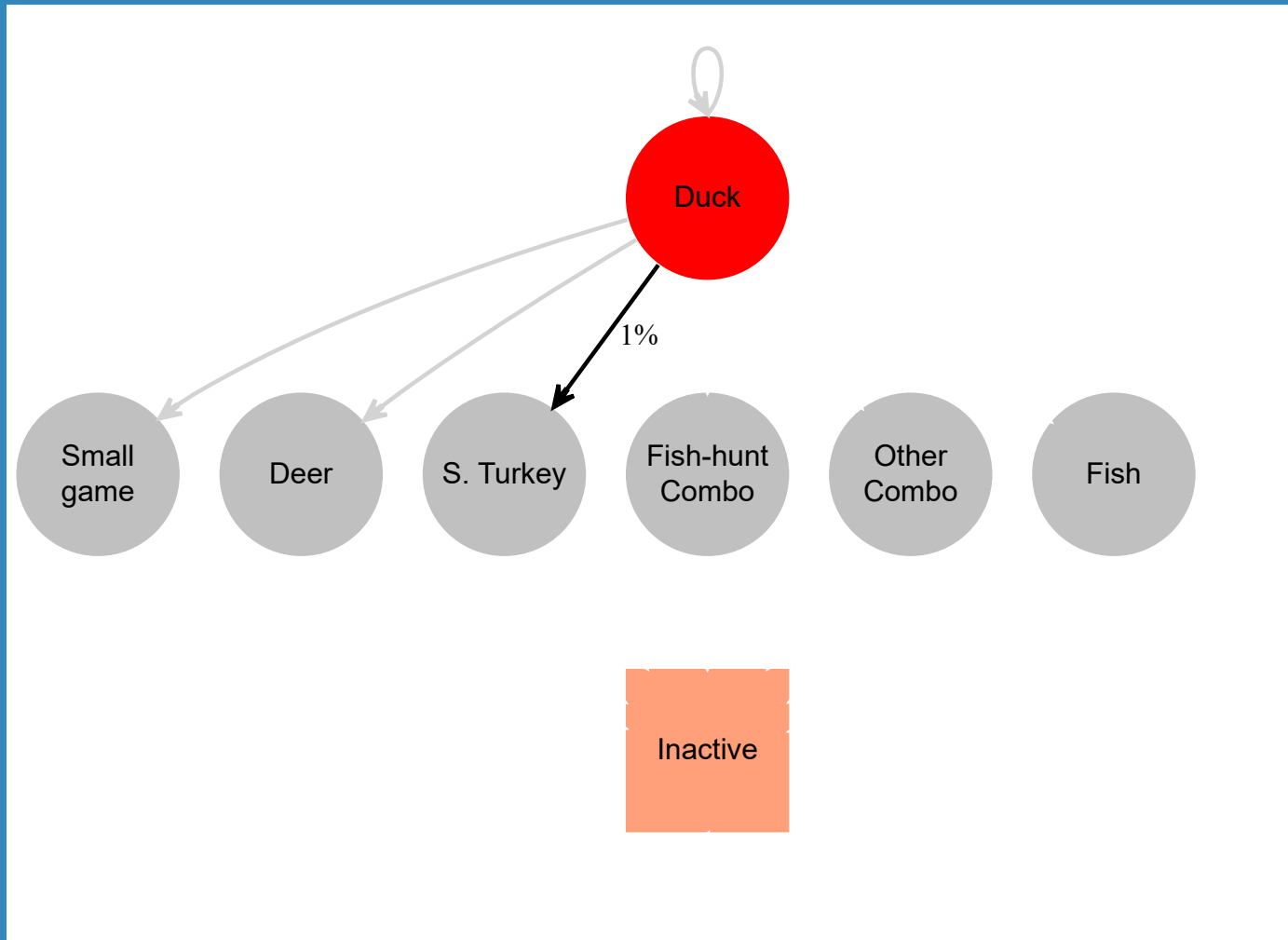
Tracking waterfowl hunters



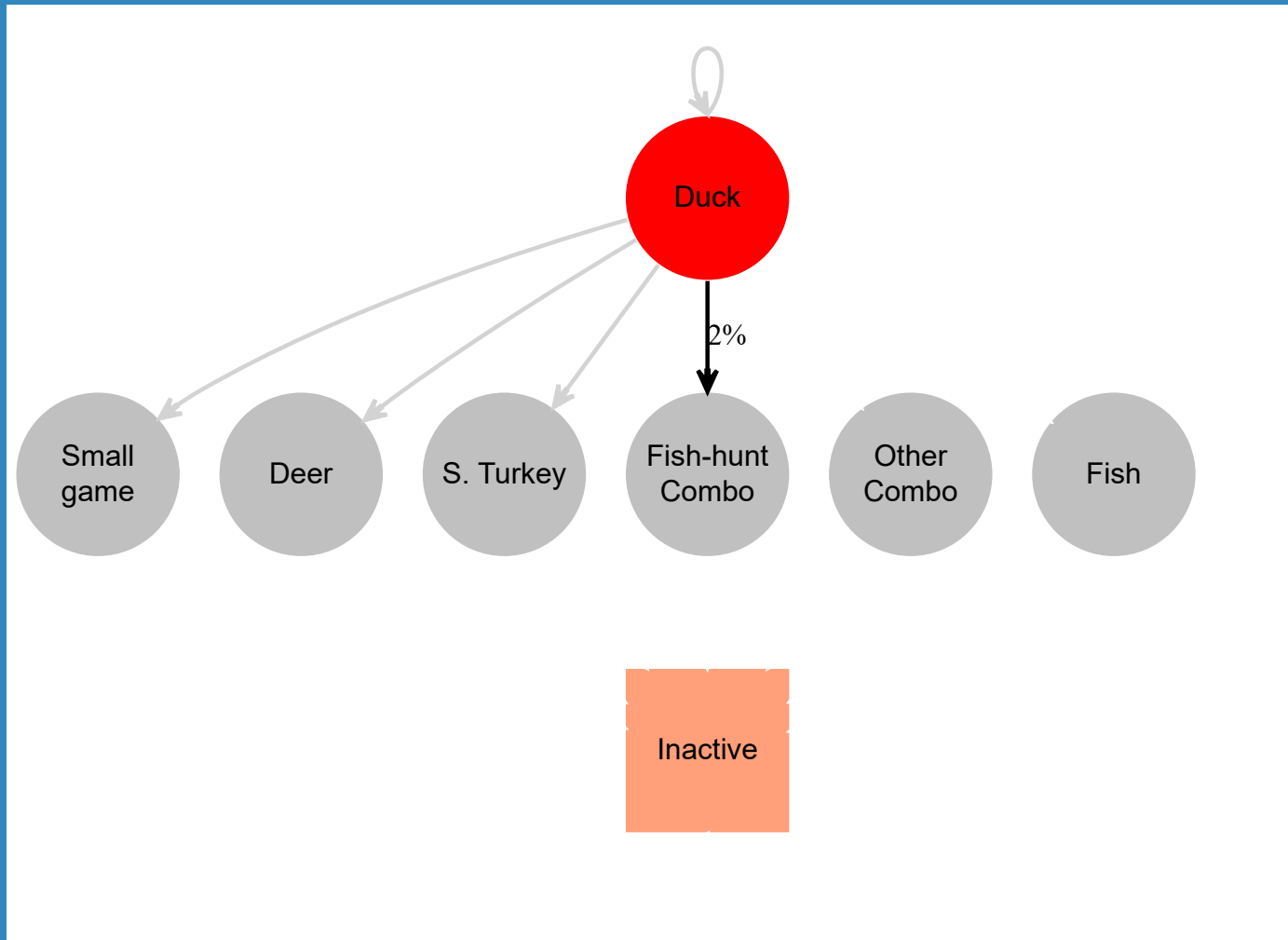
Tracking waterfowl hunters



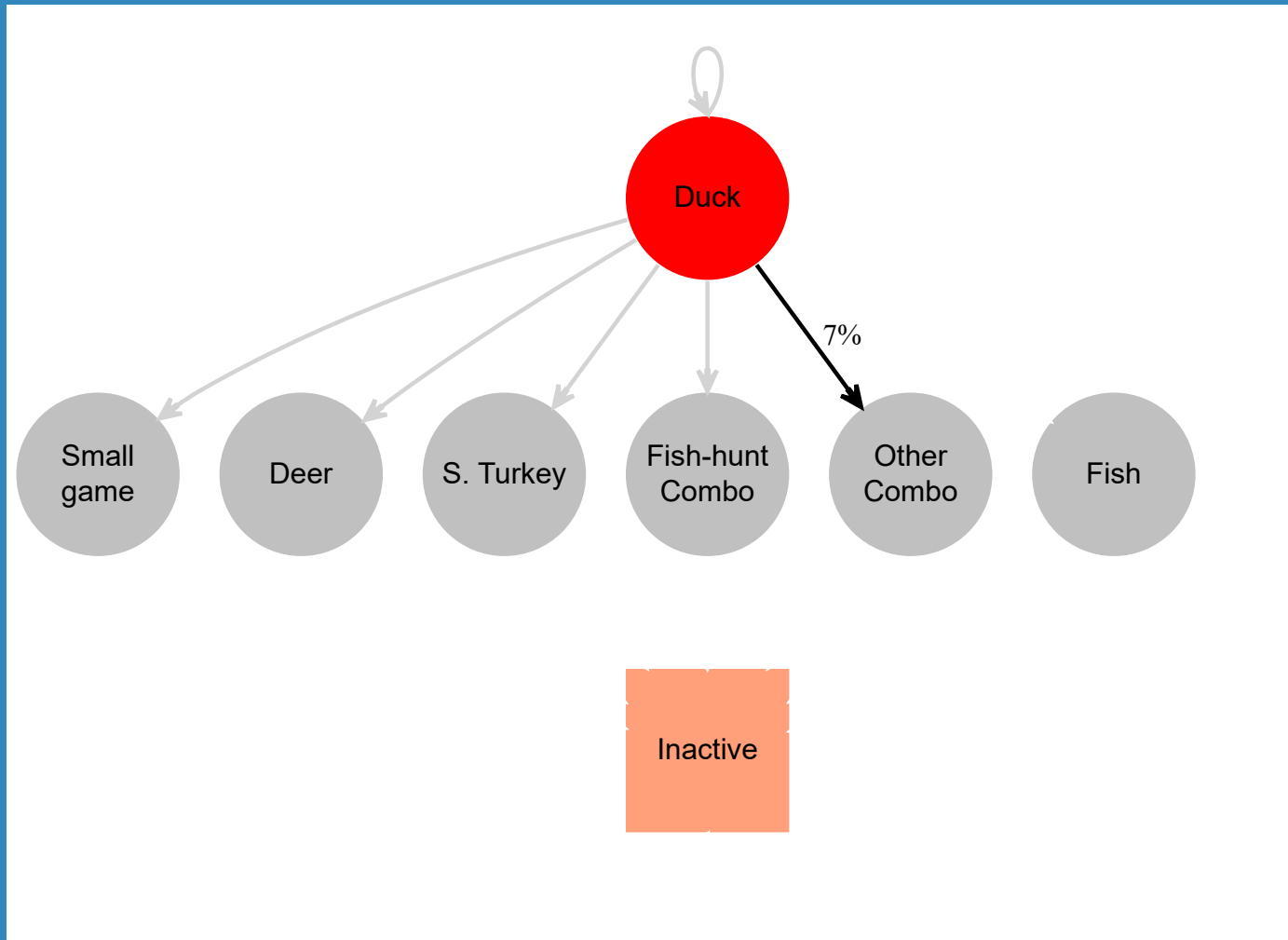
Tracking waterfowl hunters



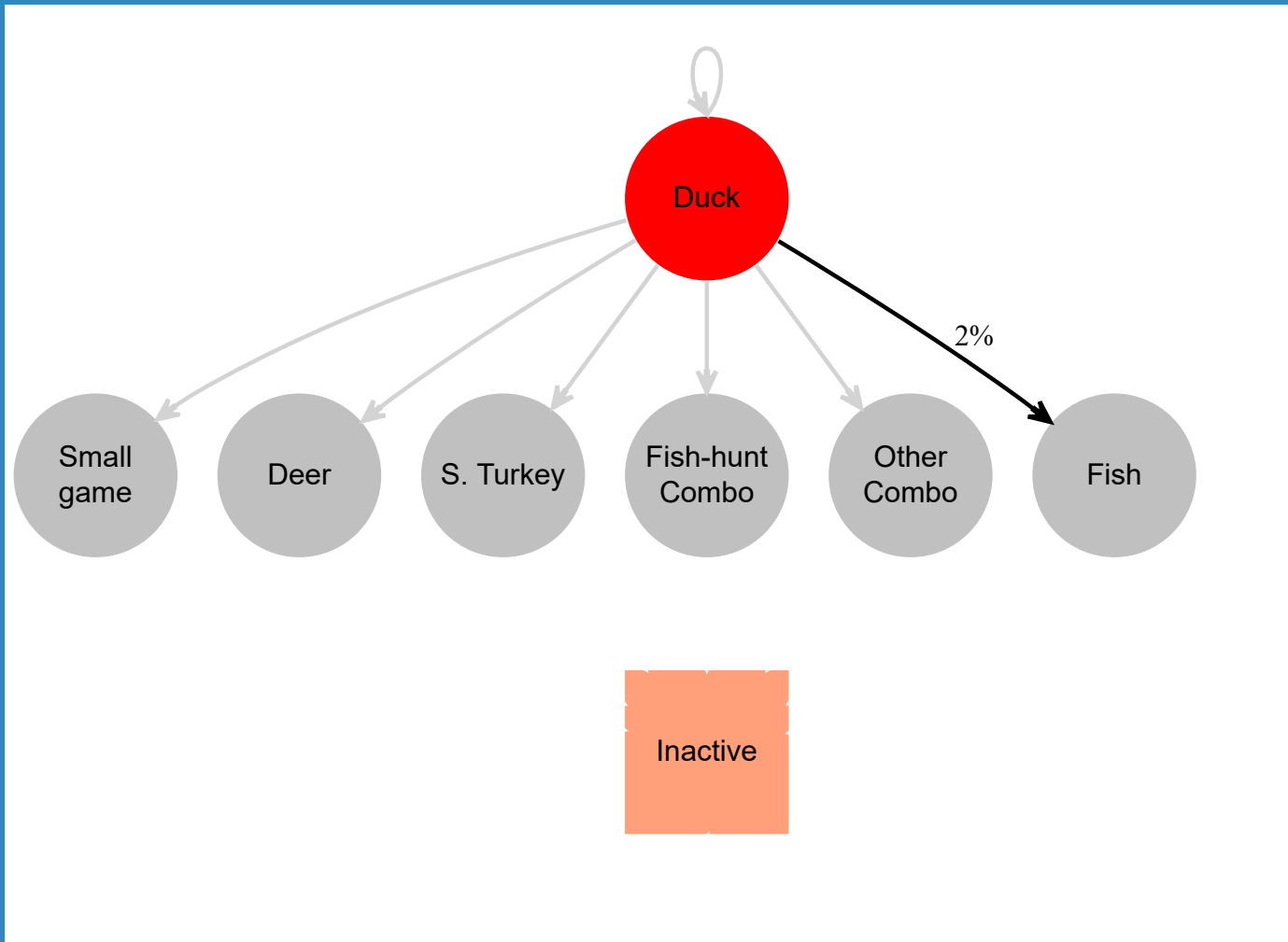
Tracking waterfowl hunters



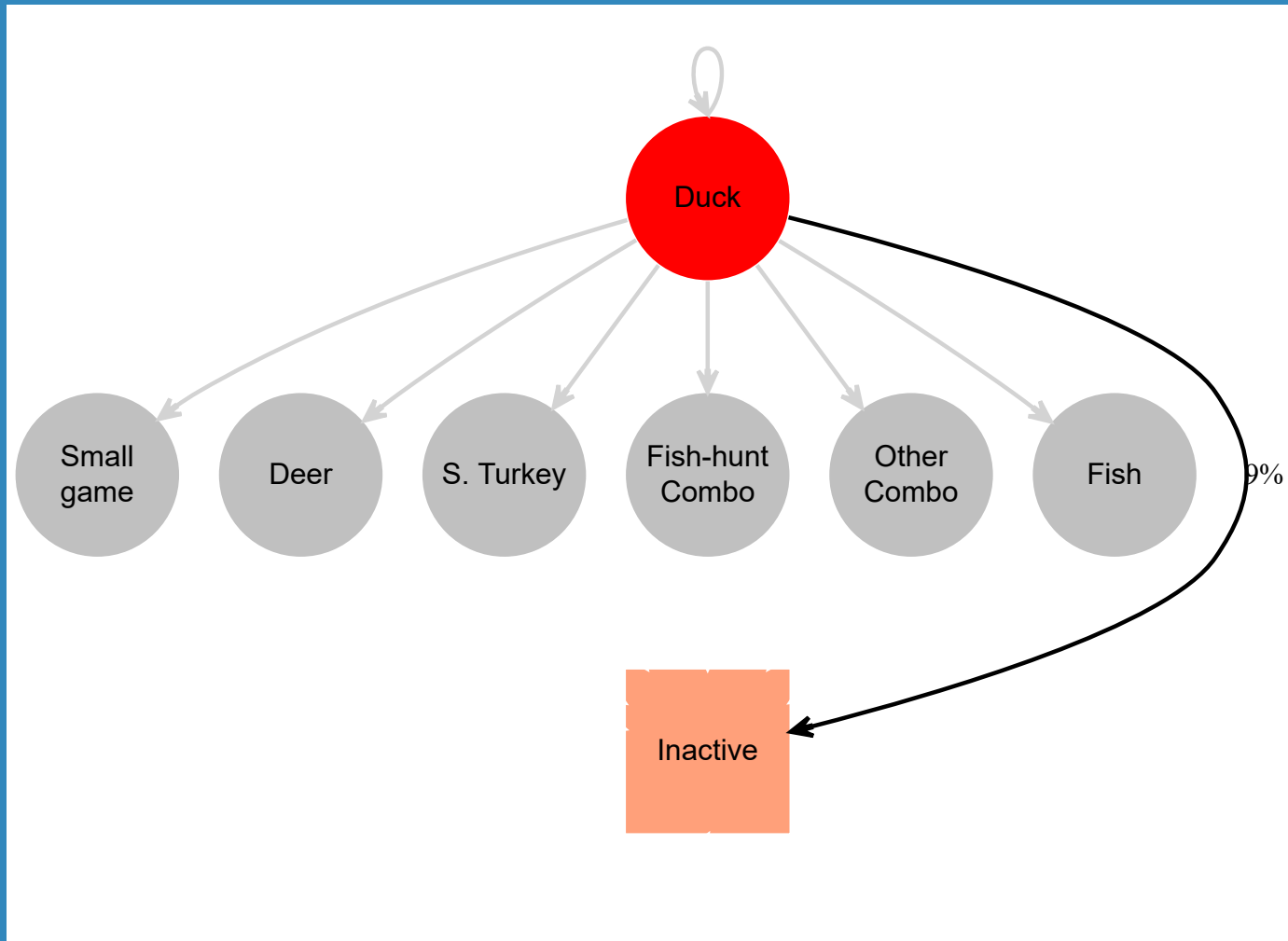
Tracking waterfowl hunters



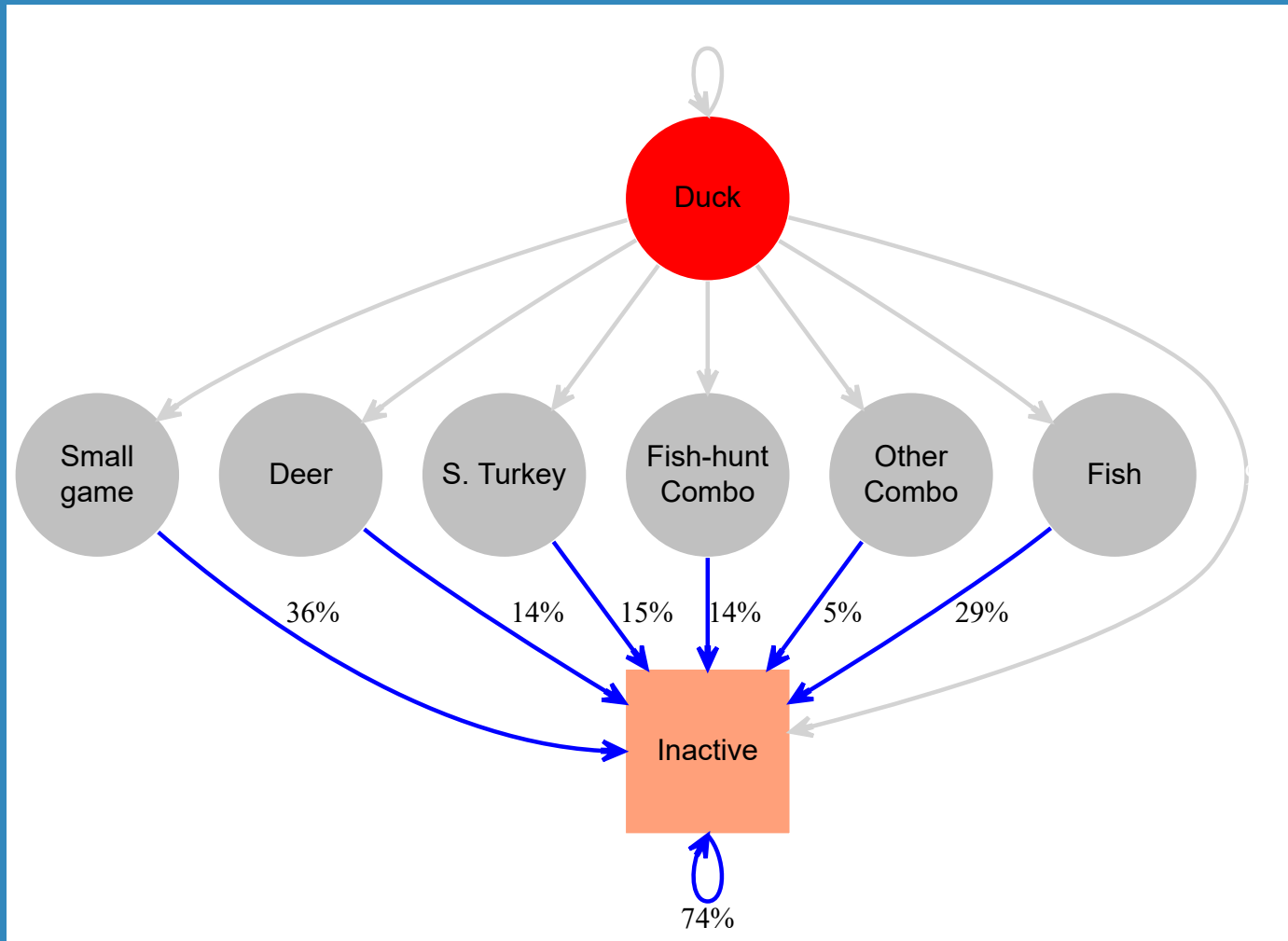
Tracking waterfowl hunters



Tracking waterfowl hunters



Tracking waterfowl hunters



Tracking waterfowl hunters

1. Most waterfowl hunters will continue buying permits
2. If they stop, there is a good chance they become inactive
3. Once inactive, they tend to stay inactive

Kid-Friendly States: 5 Affordable Places to Take a Child Hunting

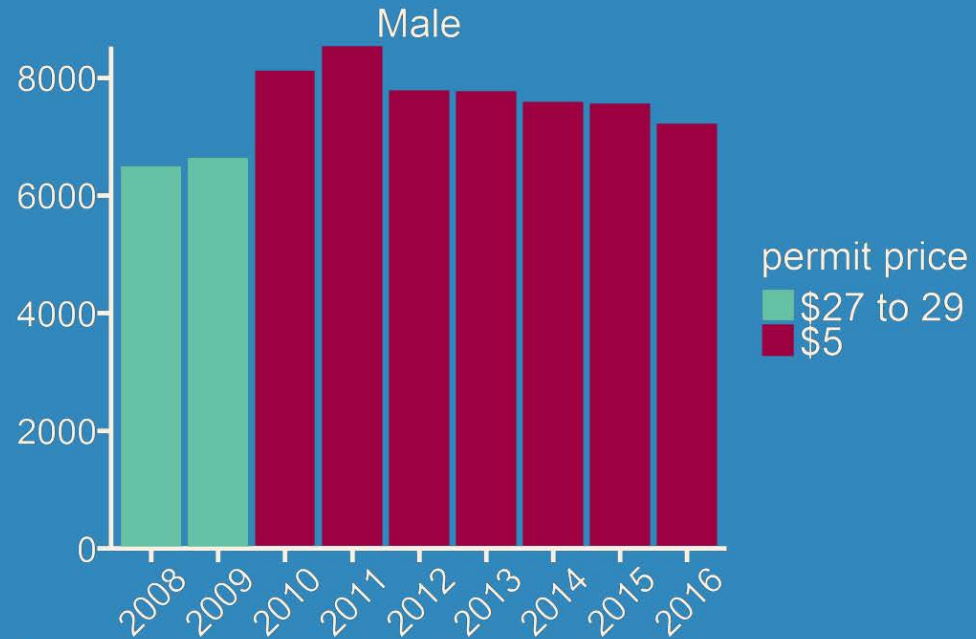
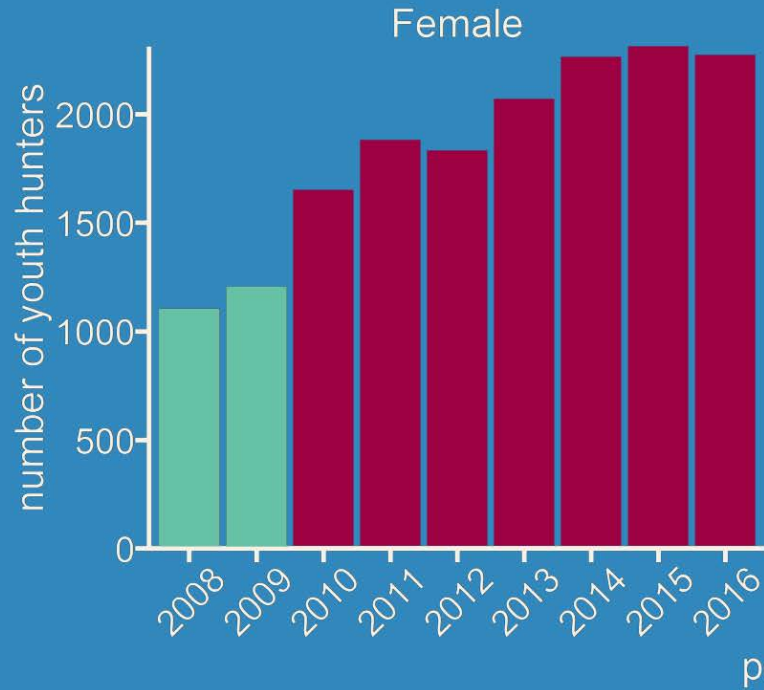
BY JOHN B. SNOW JULY 9, 2014



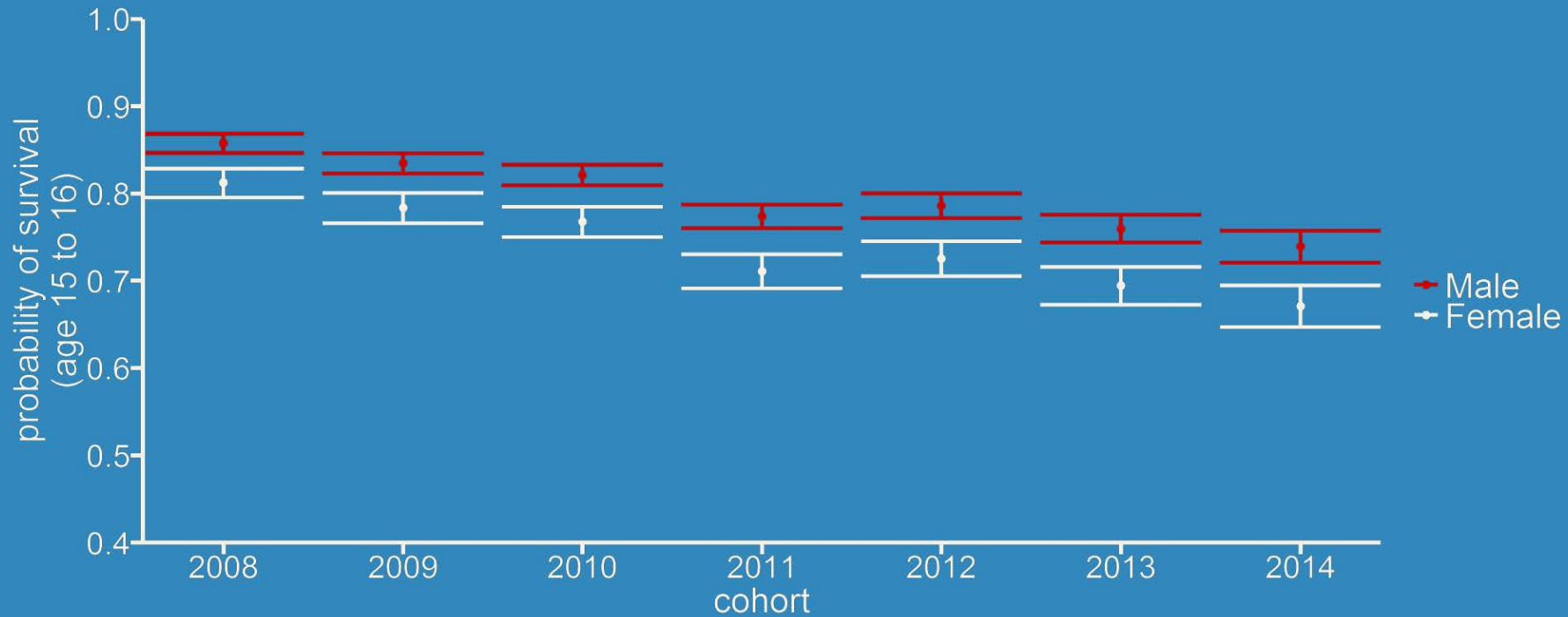
2 Comments



Youth permits



Youth permits

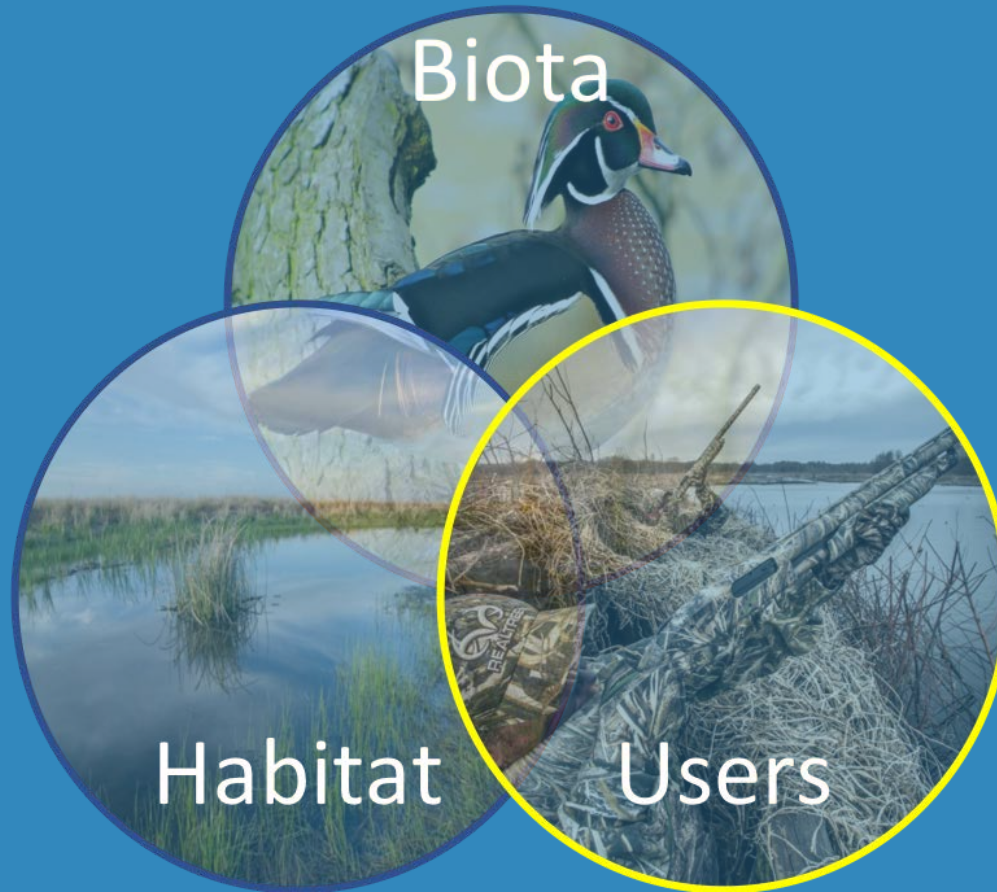


Youth permits

Hypothesis for the decreases in survival:

1. Maybe influenced by the modelling technique and time frame of data
2. Youth who were incentivized by lower price may be less committed
3. As paying low price for youth permits becomes more ingrained, the transition to a general permit may be perceived as a greater barrier

Conclusions



Contact information

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