Family Forest Owners of the USA Life Cycle and Cohort Effects

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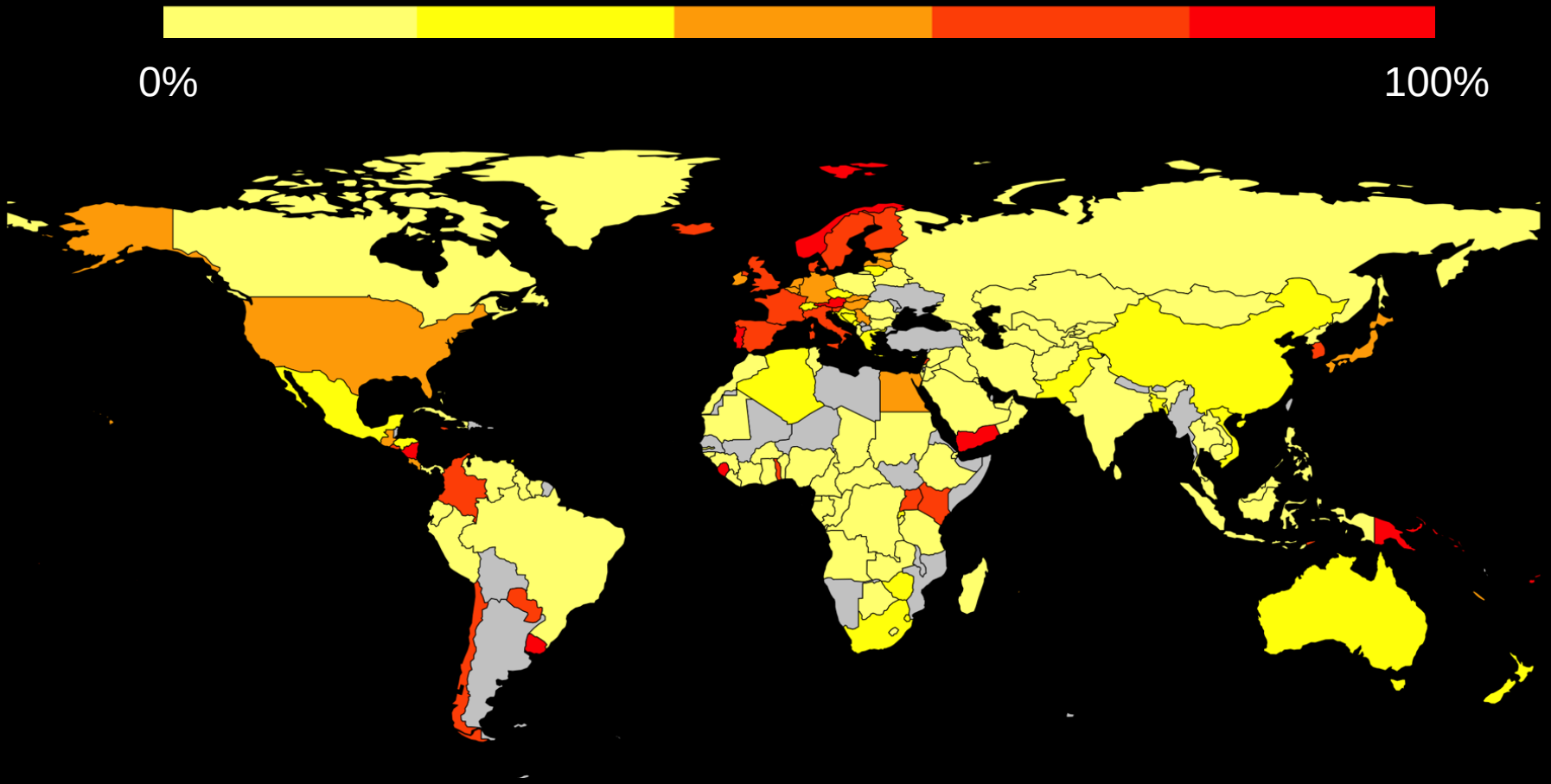
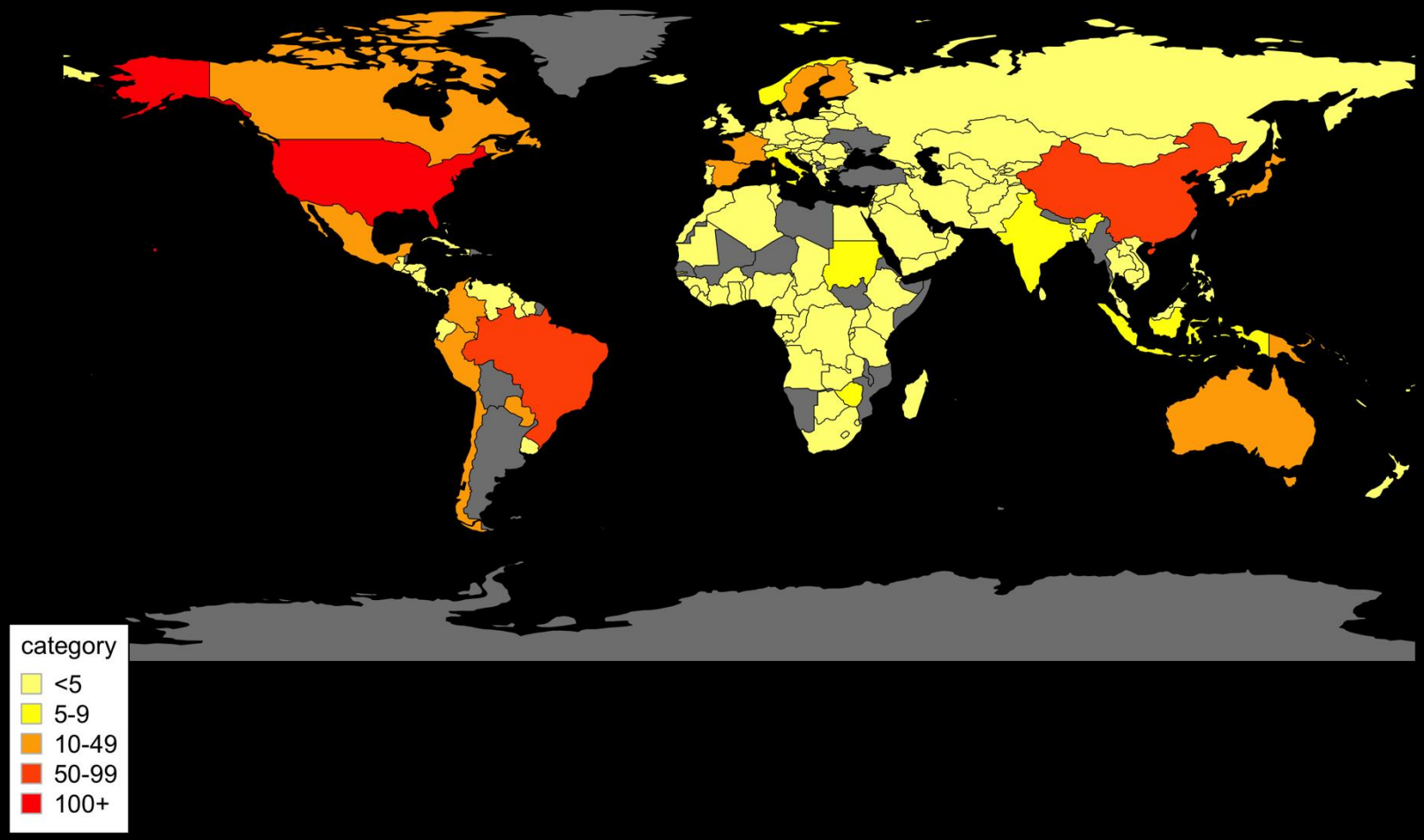
Forest Ownership Patterns

Global Forest Ownership (Percent Private)



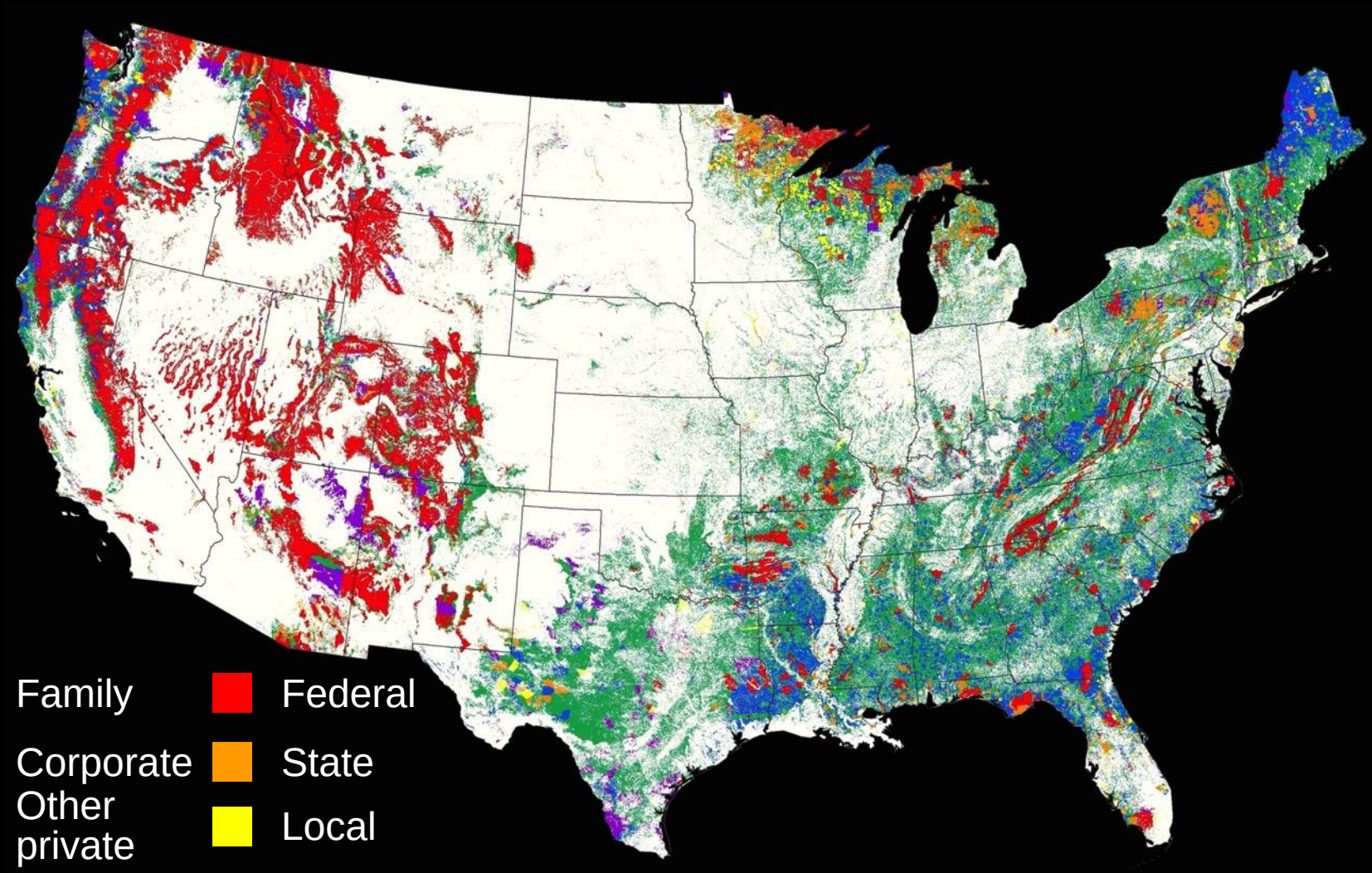
Source: FAO FRA 2010

Global Forest Ownership (Total Area)

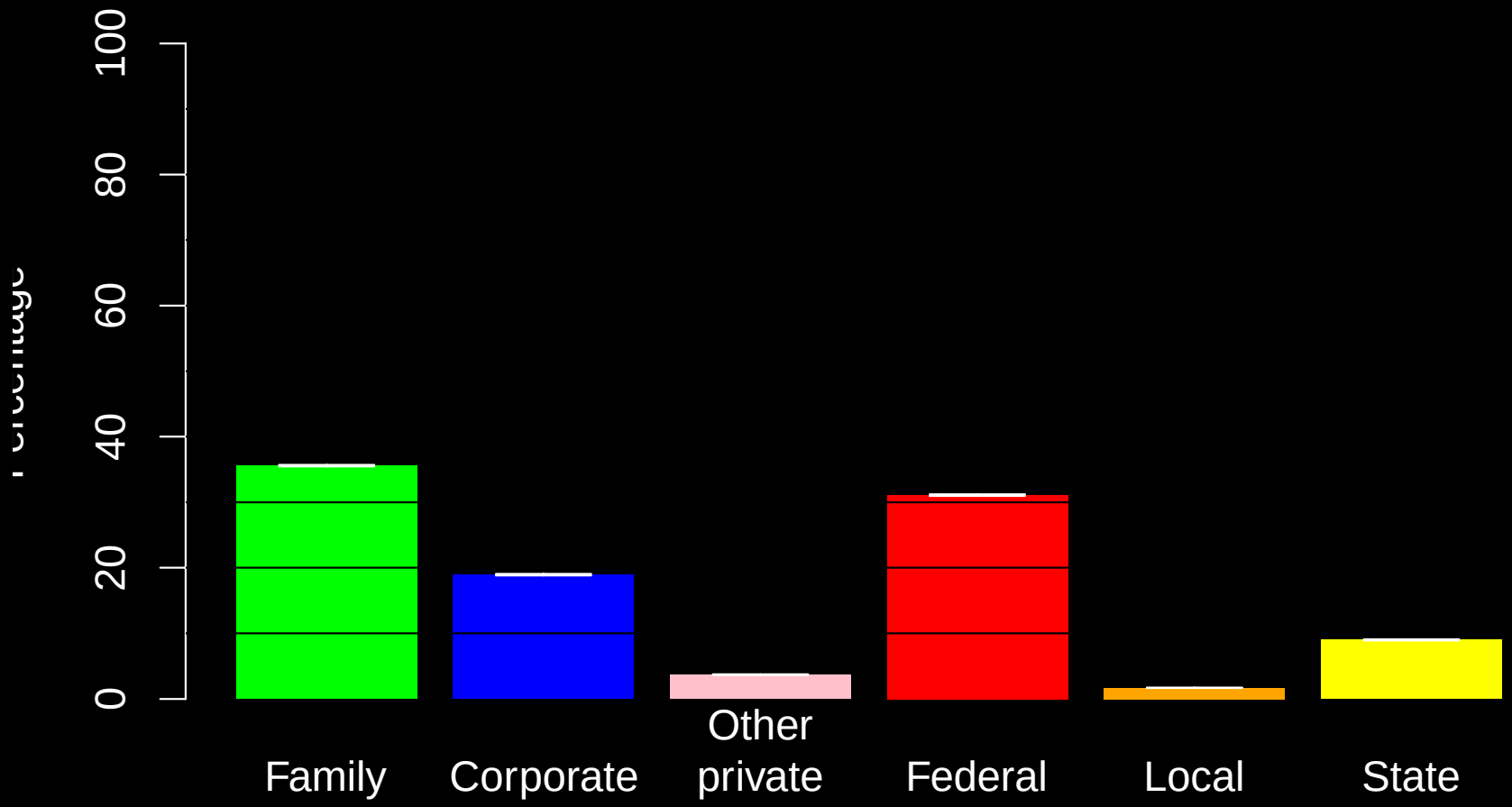


Source: FAO FRA 2010

Forest Ownership in the USA



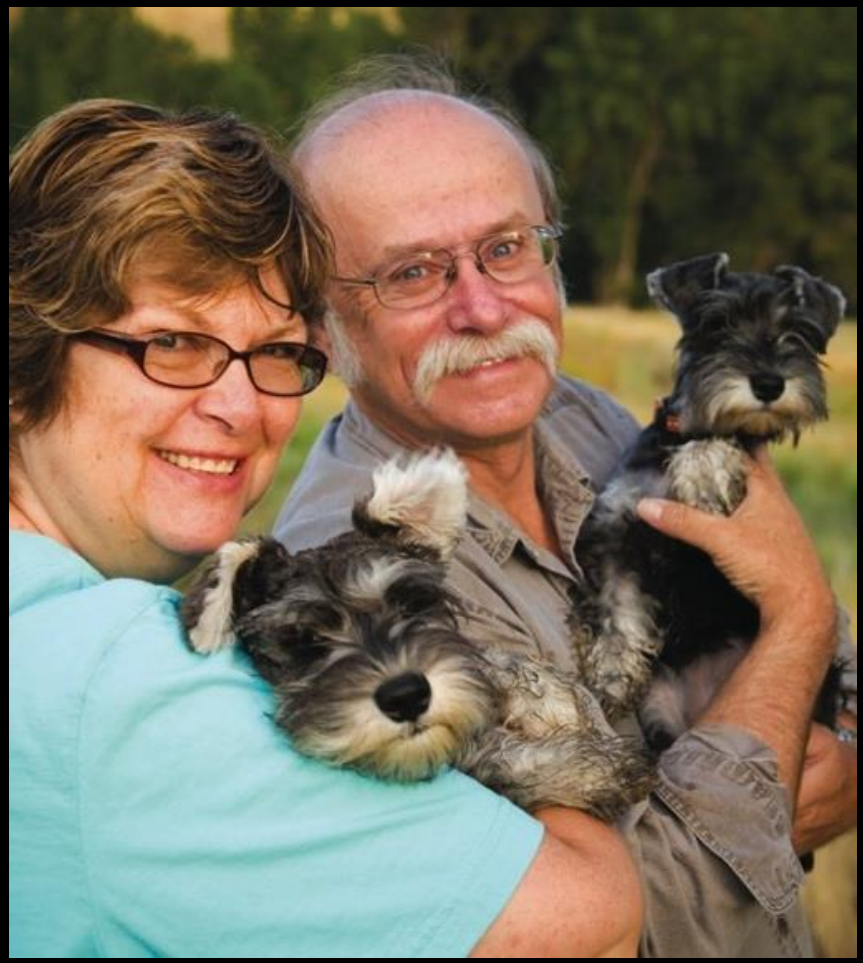
Forest Ownership in the USA



Family Forests of the USA

Ownerships with 4+ ha (10+ ac)

- Area: 109 million ha
- Ownerships: 4.0 million
- Average holding size: 27.2 ha
- Primary reasons for owning: beauty, wildlife, privacy, and nature
- Average age: 62.6 yrs



Life Cycle, Cohort, and Periodicity Effects

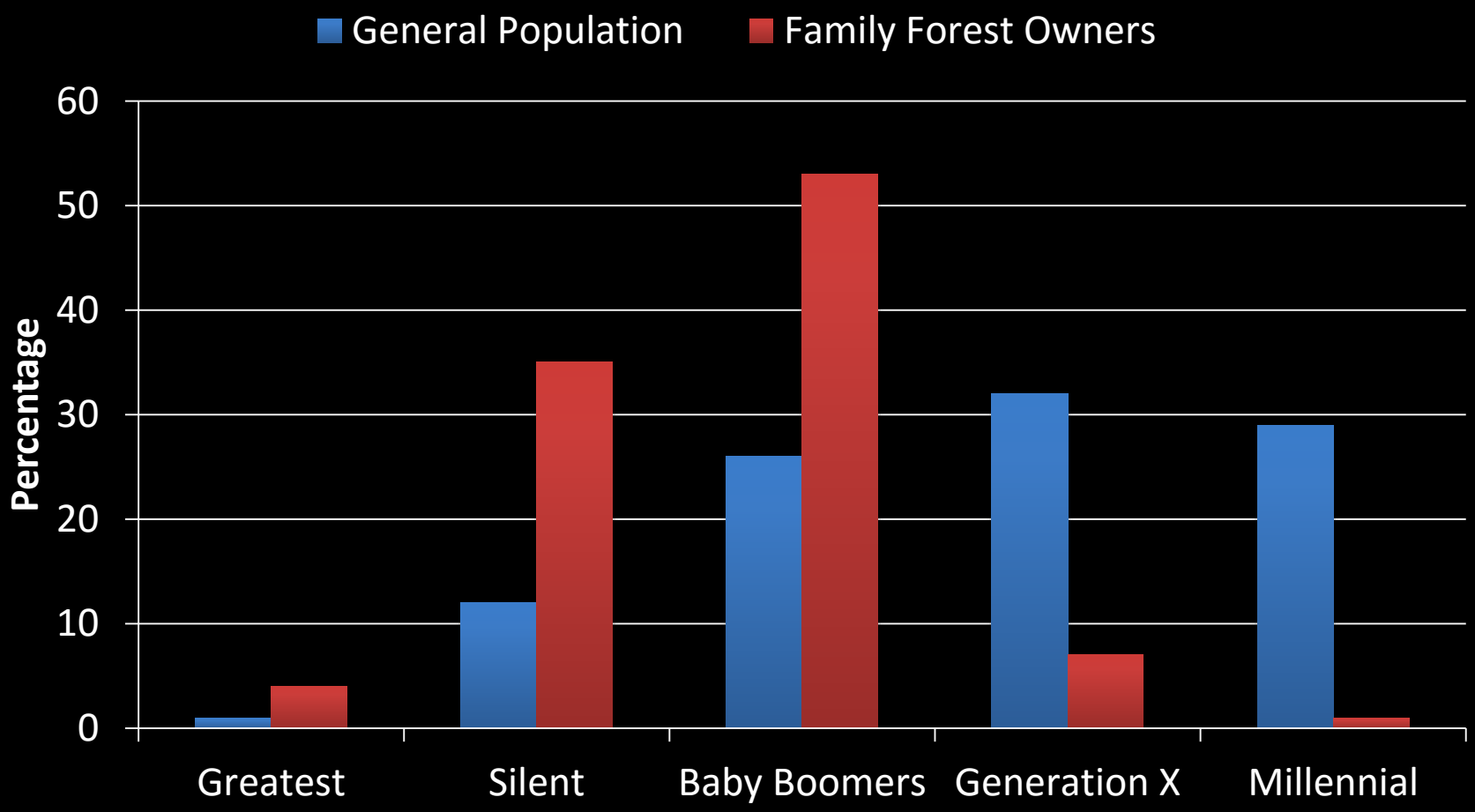
Life Cycle, Cohort, and Periodicity Effects

- Life cycle: how people behave in different stages of their life
- Cohort: results of circumstances when people are young and forming their values
- Periodicity: major events that influence all cohorts

Generational Cohorts in the USA

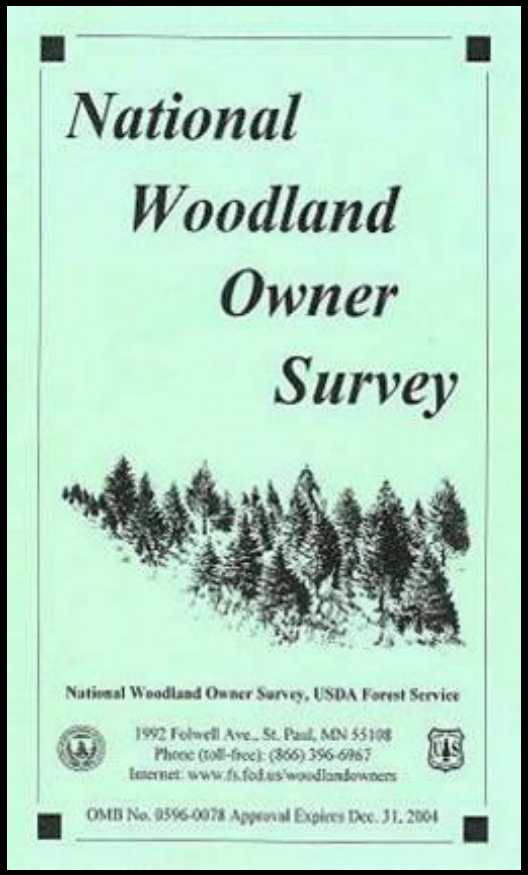
Generation	Born
Greatest	Before 1928
Silent	1928 – 1945
Baby Boomers	1946 – 1964
Generation X	1965 – 1980
Millennial	1981 – present

Generational Cohorts in the USA



U.S. Forest Service National Woodland Owner Survey

Objectives

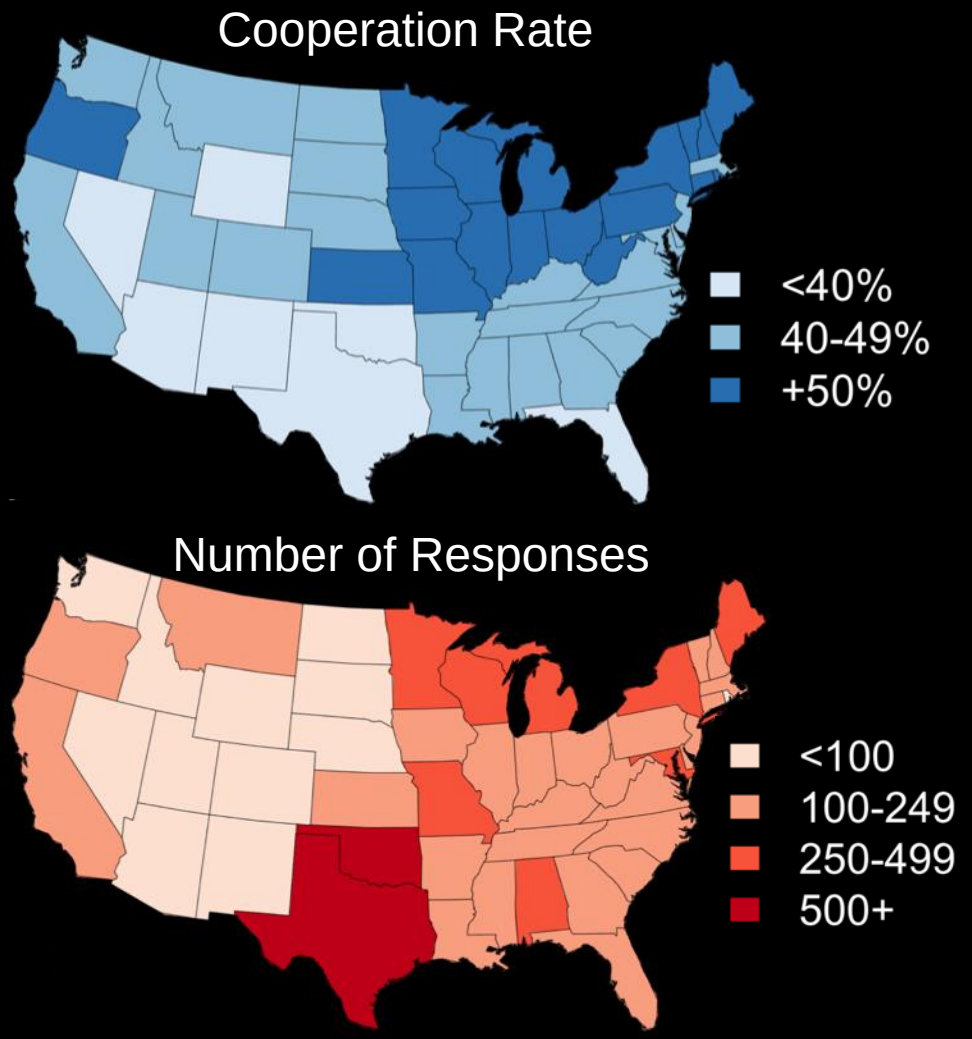


Help answer:

- Who owns America's forest?
- Why do they own it?
- How have they used it in the past?
- How do they intend to use it in the future?

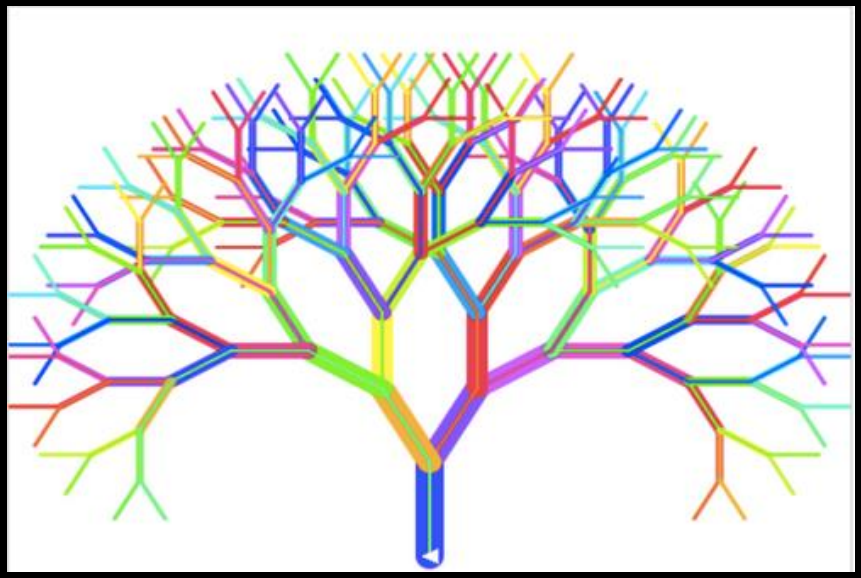
NWOS Methods

- Part of FIA
- Probability proportional to size sample design
- Self-administered, mail-based paper questionnaire with online option and telephone follow-up
- Most recent data collection: 2011-2013



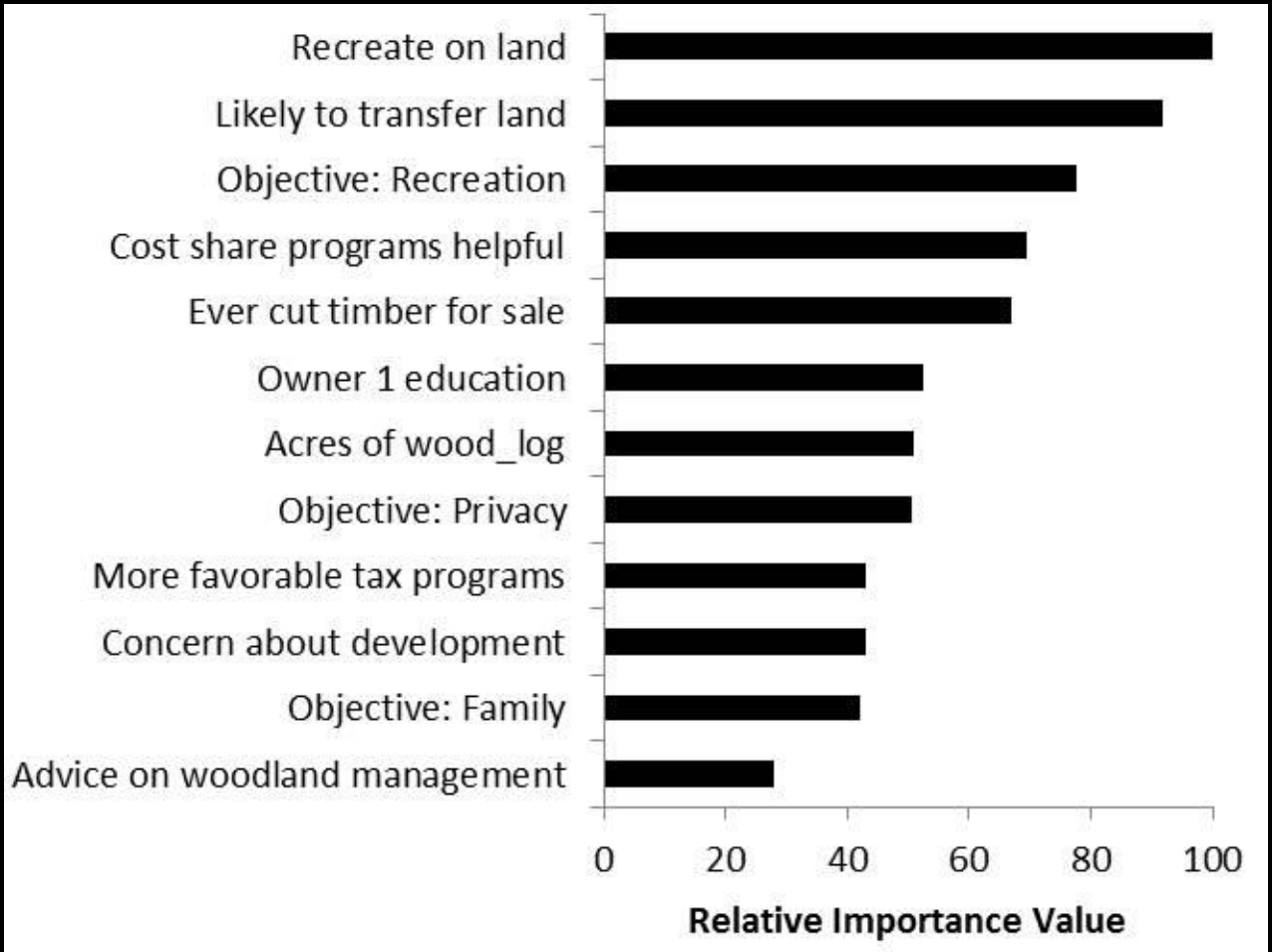
Analysis Methods

- Random forests
  - Non-parametric, recursive partitioning
  - Relative importance values
- Bivariate relationships

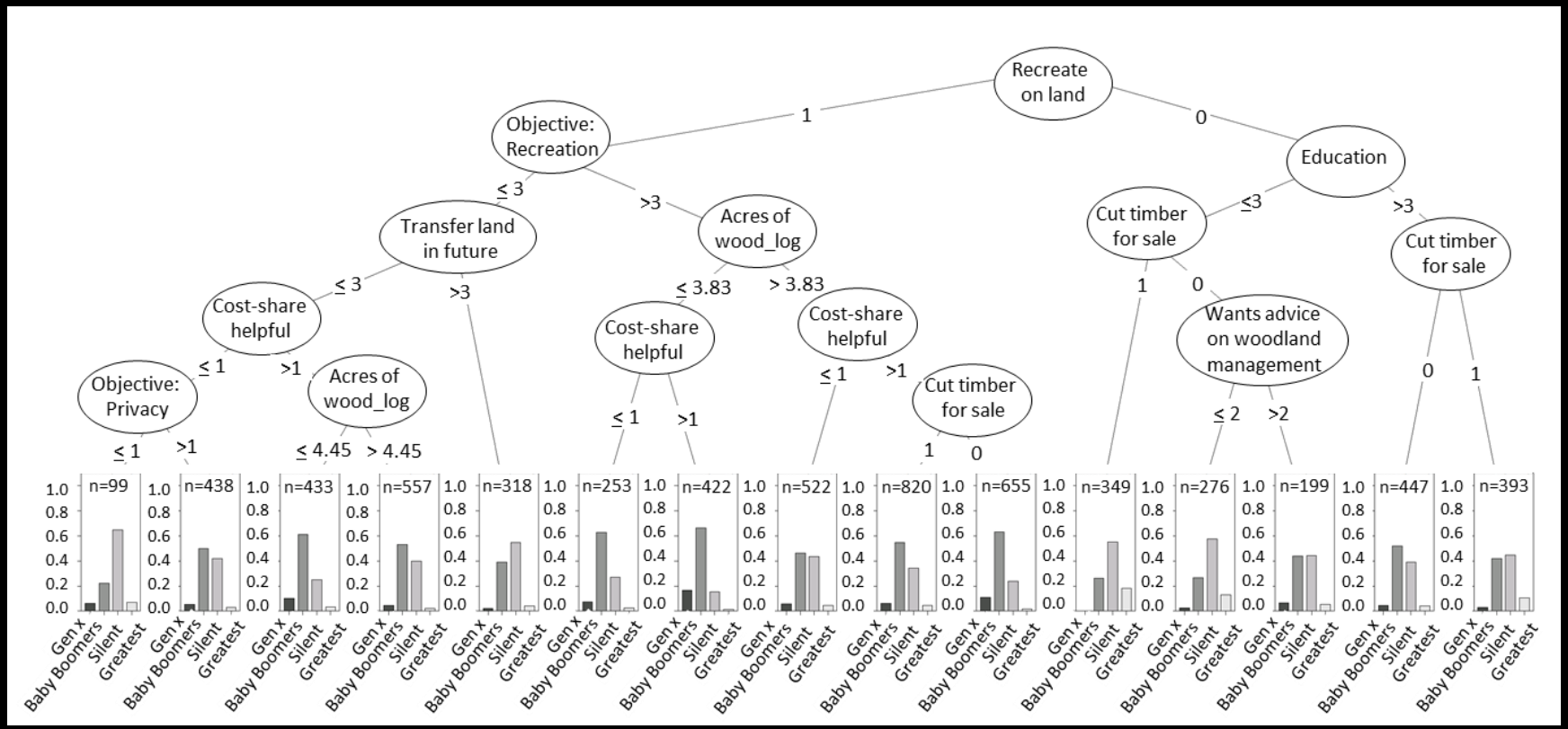


Random Forests Results

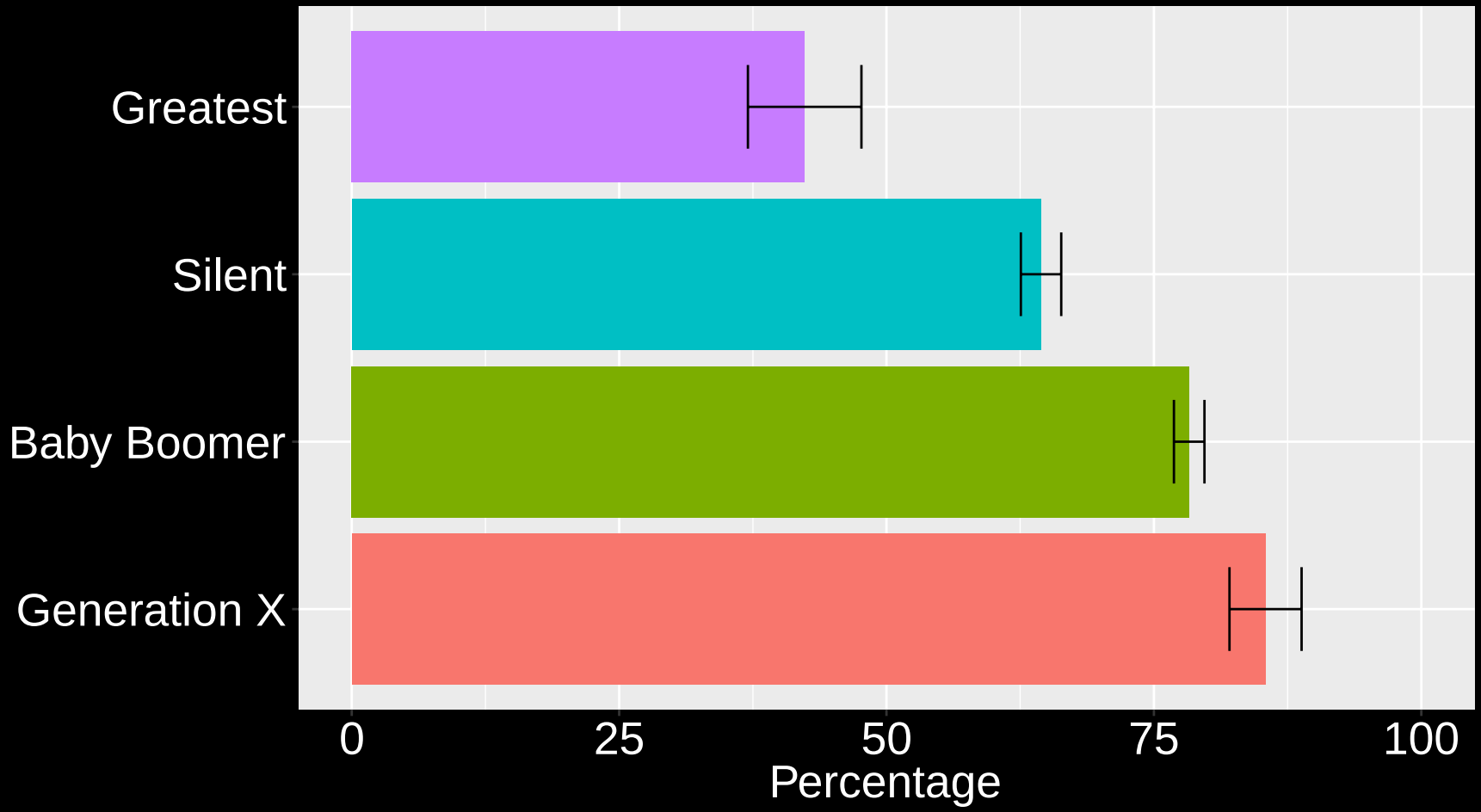
Random Forests
Relative Importance Values



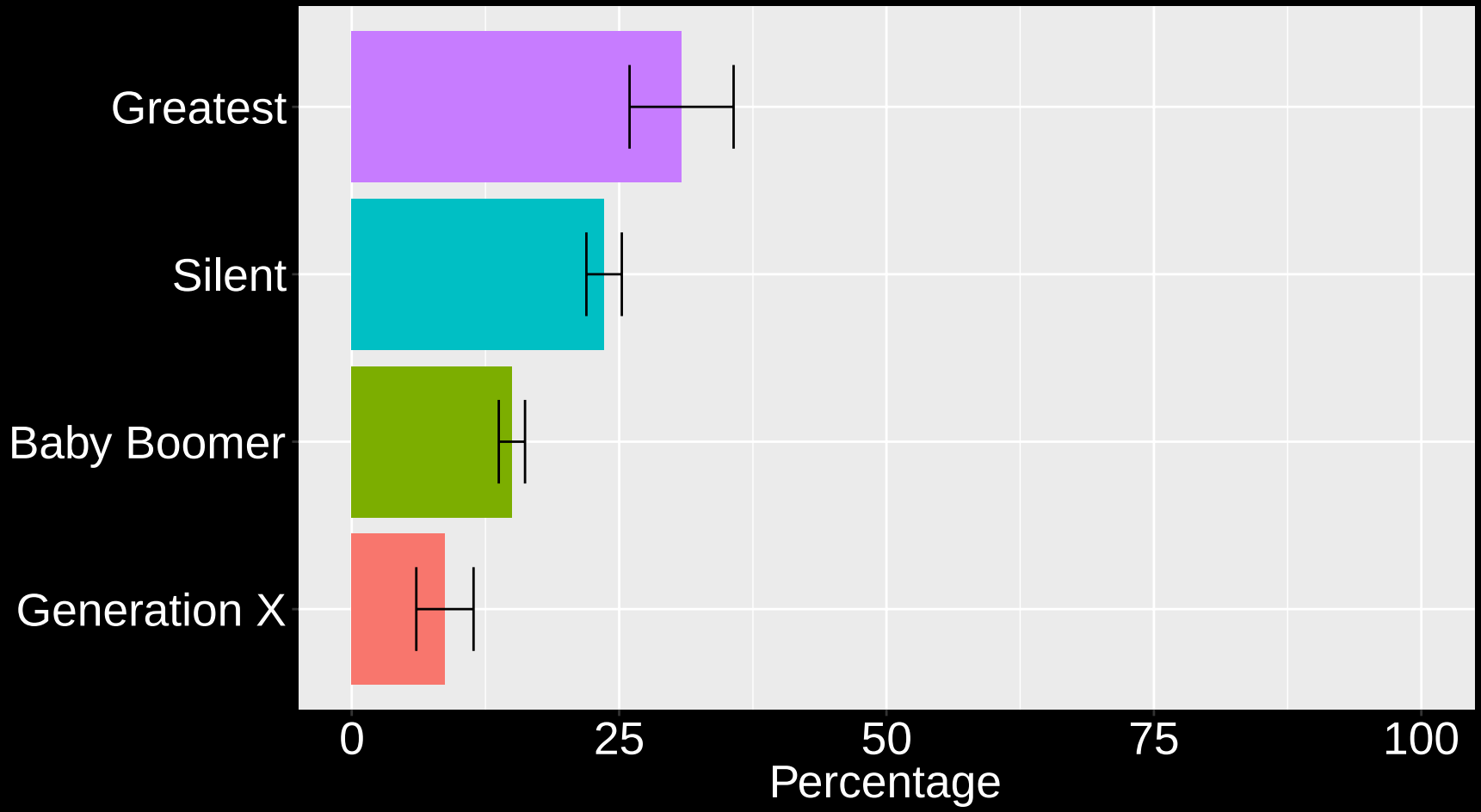
Classification Tree



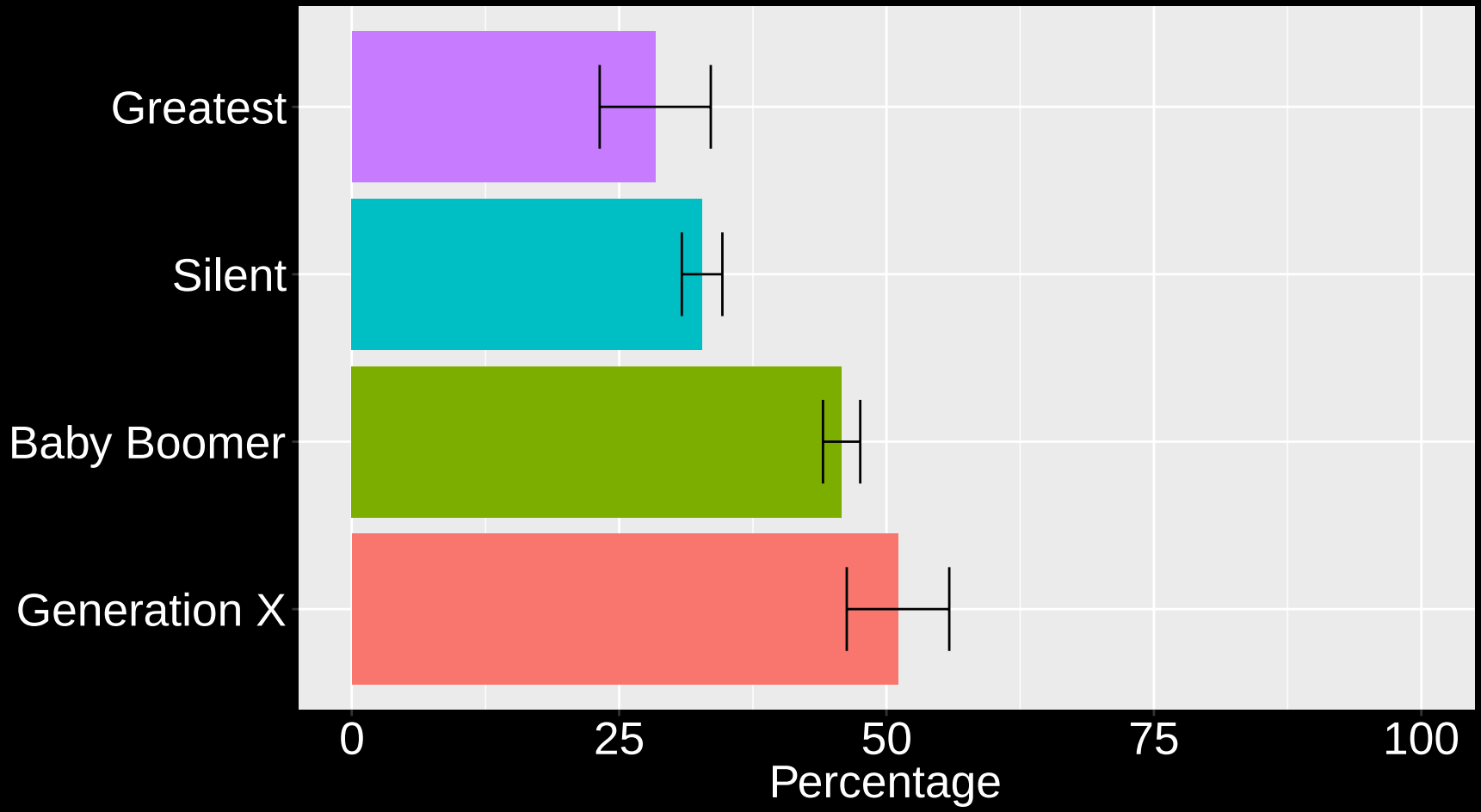
Recreation by Owner



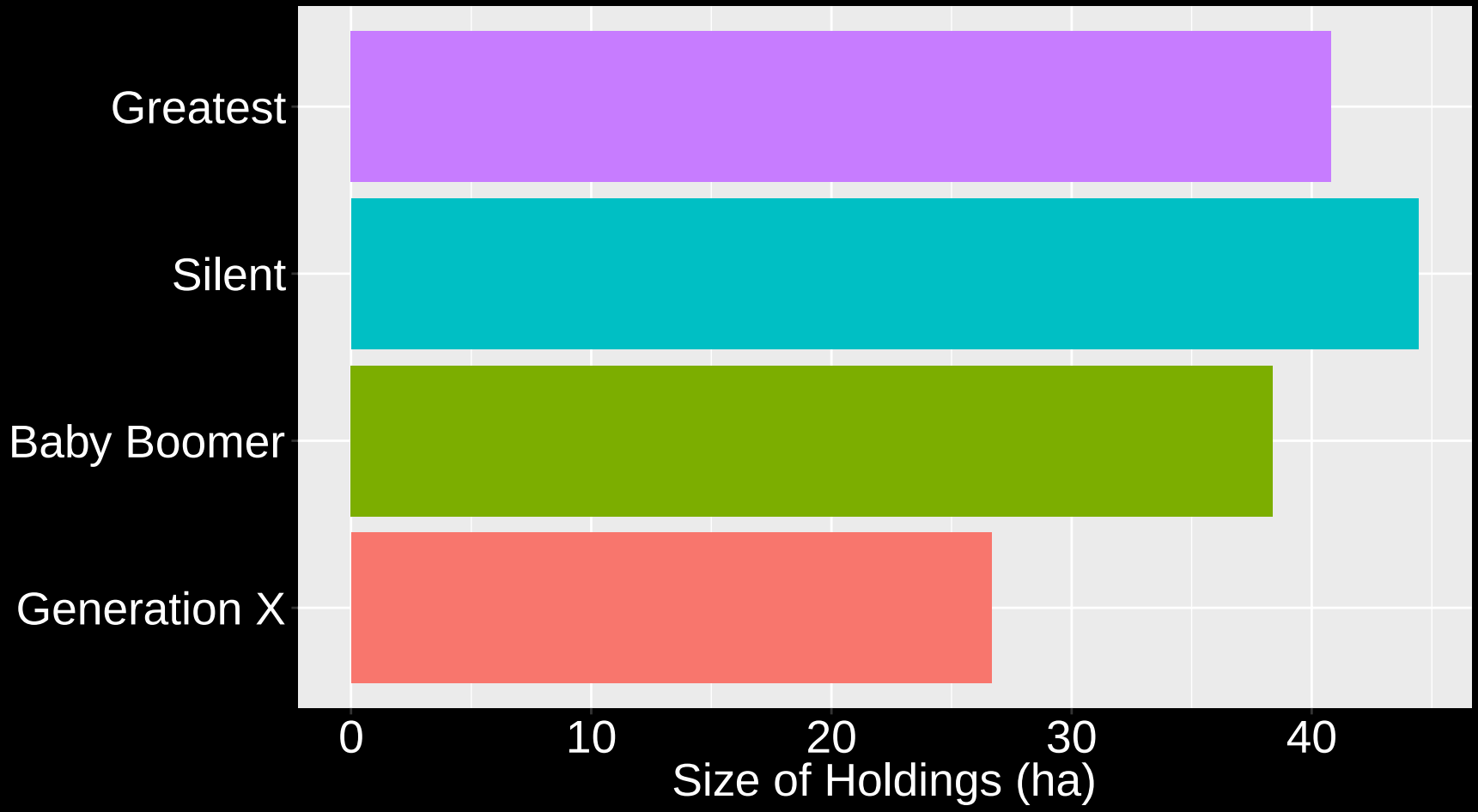
Transfer Land in Next 5 Years



Wants Cost-sharing



Median Size of Holdings (ha)



Conclusions

- Cohort
  - Assistance
  - Education
  - Size of holdings (?)
  - Assistance
  - Objectives (?)
- Life Cycle
  - Recreation
  - Land transfer
  - Objectives (?)
- Periodicity
  - Insufficient data

Comments or Questions?

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