

Using detailed human activity and remote sensing data to assess wildlife responses to altered human behavior during the COVID-19 pandemic

Yale




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 Diego_EllisSoto

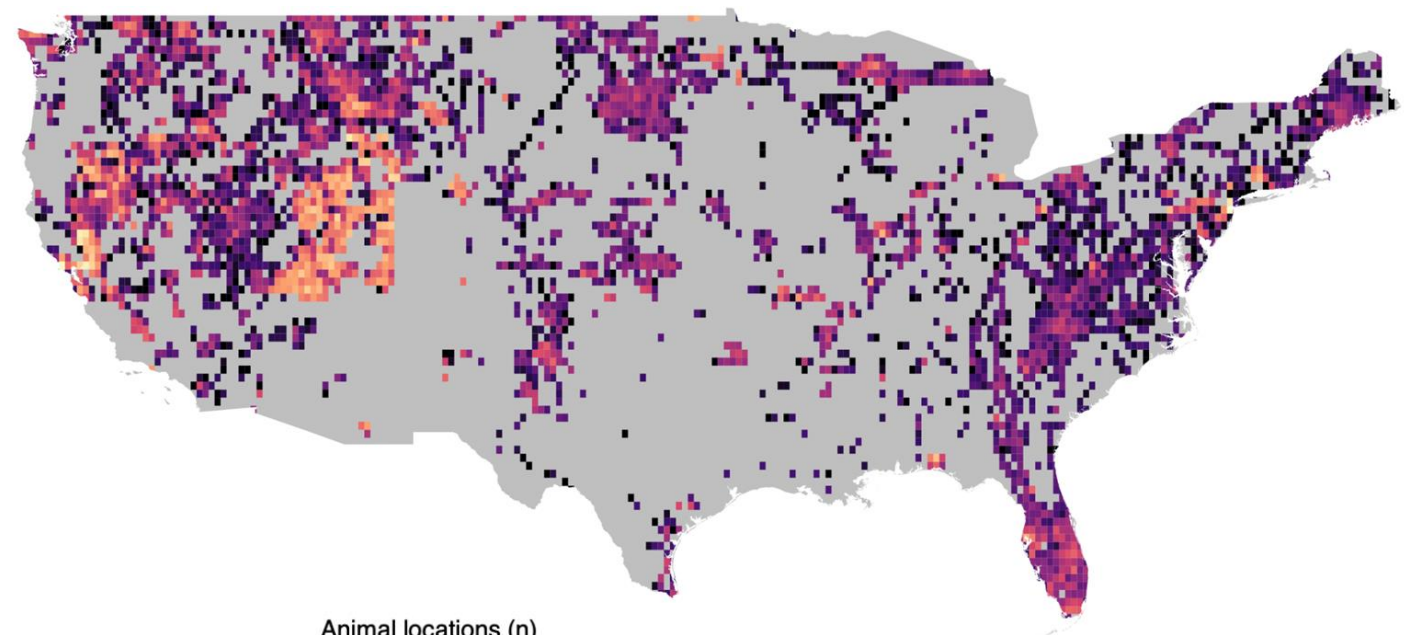
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COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife

Reduced human mobility during the pandemic will reveal critical aspects of our impact on animals, providing important guidance on how best to share space on this crowded planet.

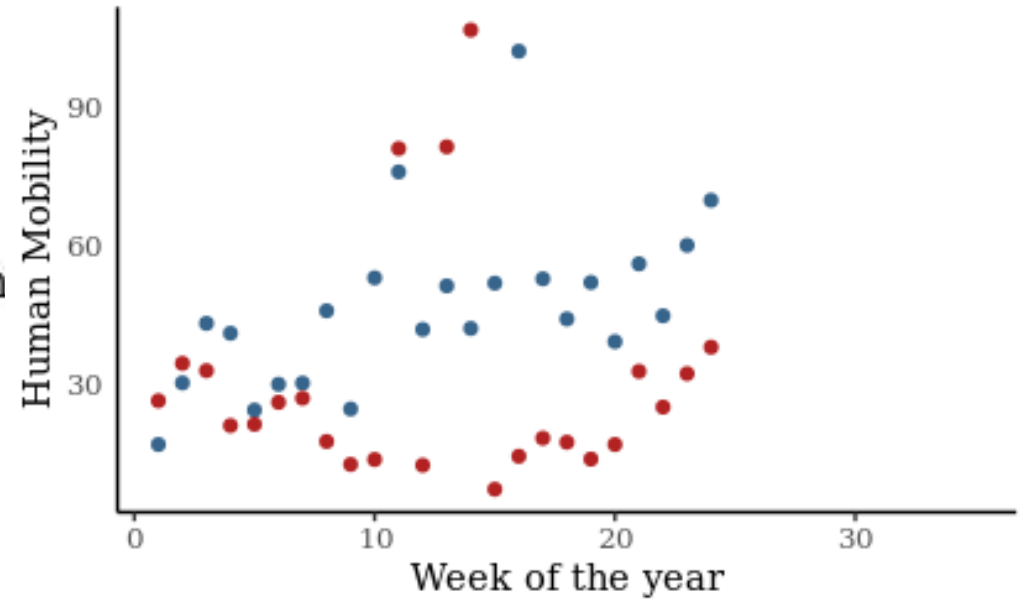
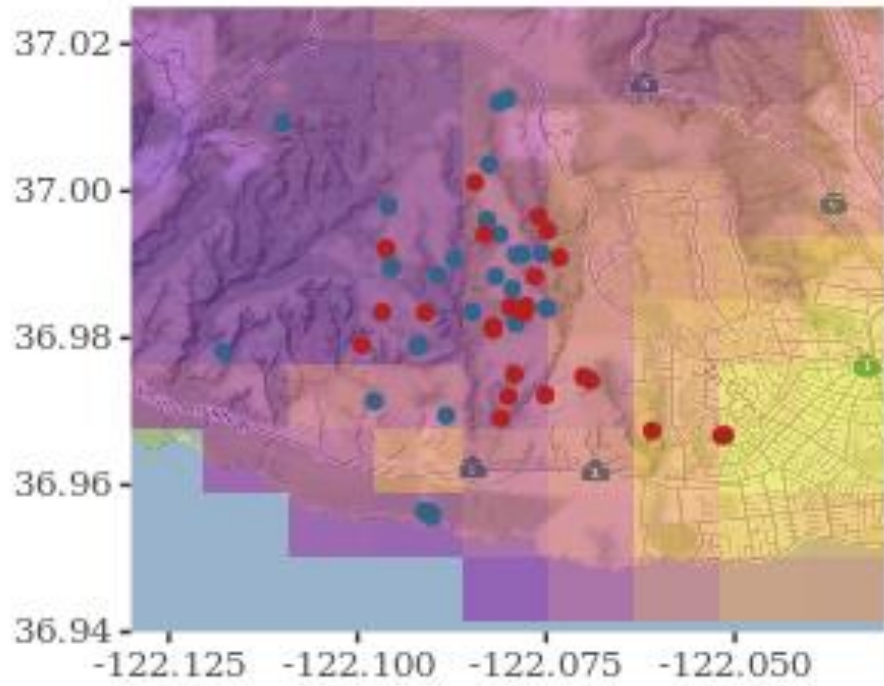
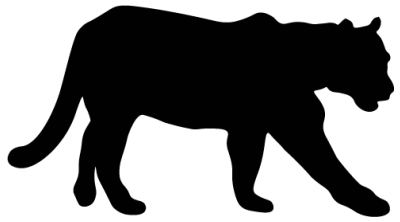
Christian Rutz, Matthias-Claudio Loretto, Amanda E. Bates, Sarah C. Davidson, Carlos M. Duarte, Walter Jetz, Mark Johnson, Akiko Kato, Roland Kays, Thomas Mueller, Richard B. Primack, Yan Ropert-Coudert, Marlee A. Tucker, Martin Wikelski and Francesca Cagnacci



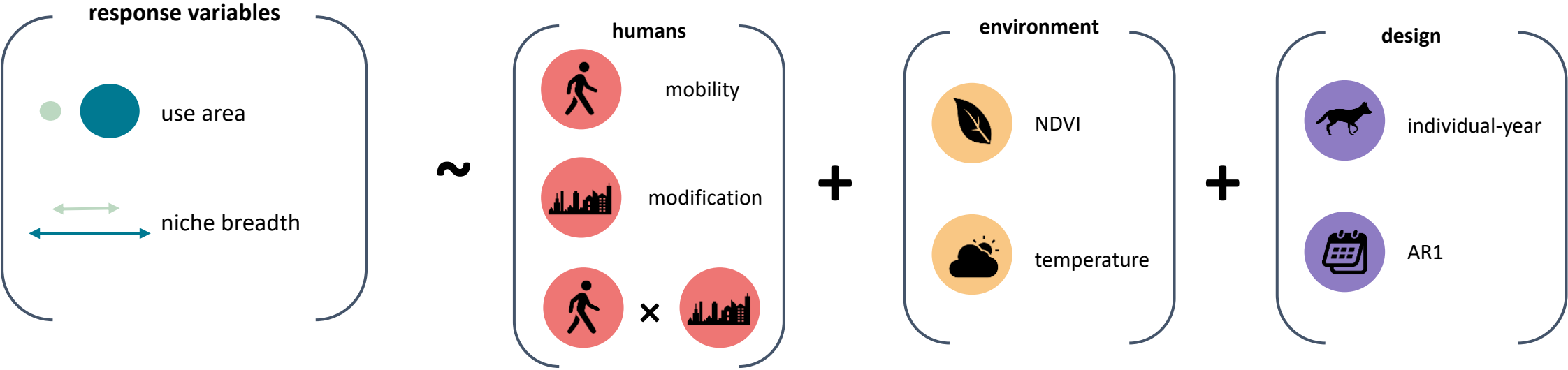
- ~12 million GPS locations
- 4040 individuals
- 42 species

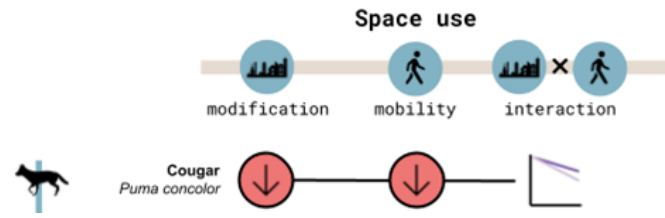


Puma concolor

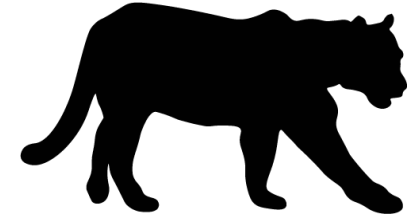


Characterizing wildlife responses

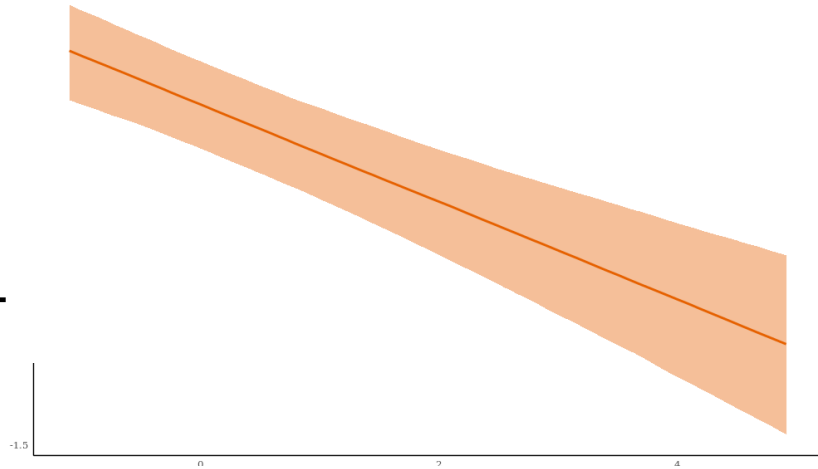




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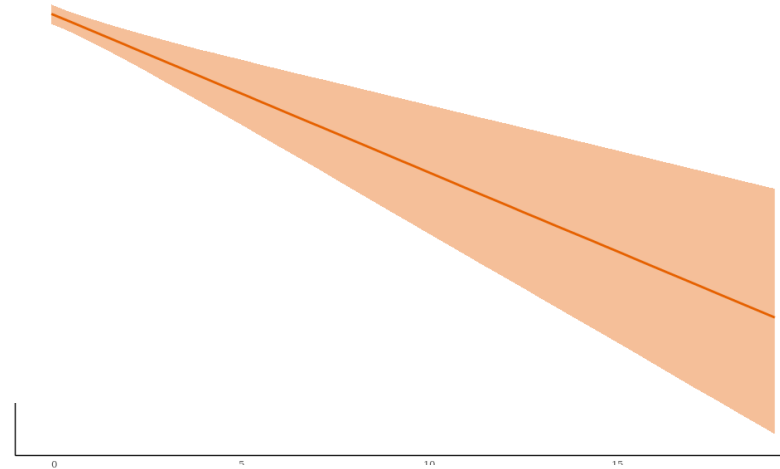


Space Use



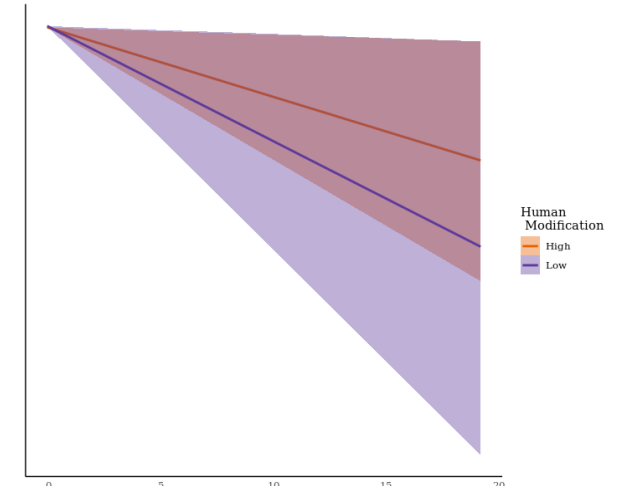
Human
Modification

Space Use



Human Mobility

Space Use



Human Mobility

