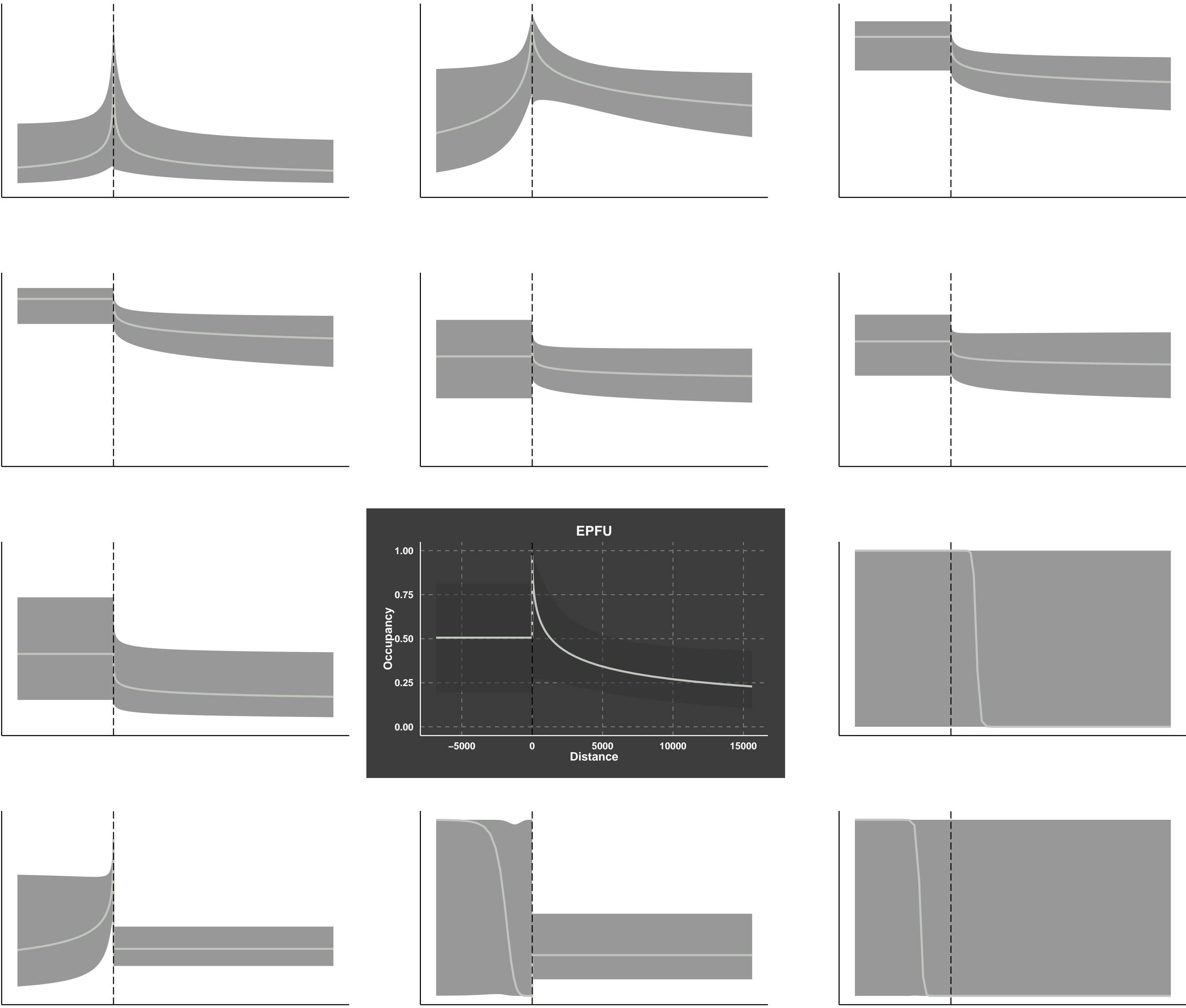
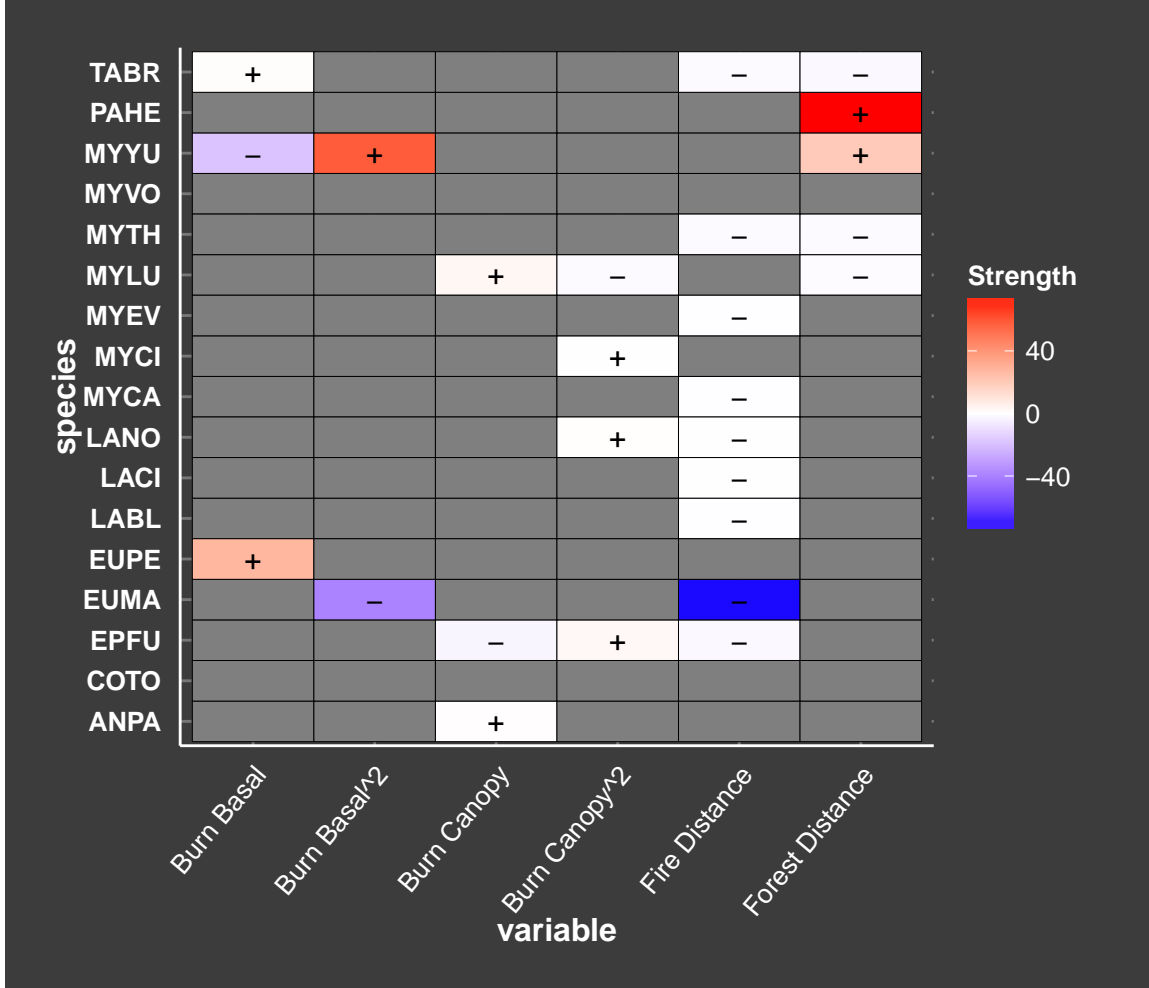


Burn, Baby, Burn: Effects of Wildfire on Bat Species Occupancy Probability in the Sierra Nevada Mountains

Background



Increasing wildfire frequency and severity in the Western United States emphasizes the importance of understanding how fire-mediated habitat changes affect biodiversity. In particular, it is unknown how bat habitat use is affected by fire intensity and its spatial structure.

We measured fire intensity as differenced normalized burn ratios (DNBR) and the distance from and to the limit of the burned area within the forest matrix, and evaluated how this factors affected the occupancy of 17 bat species in northern California.

