

Have coaches changed how they select which players to give more minutes to?

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Abstract

Since the NBA adopted the three point line in .

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Methods

All variables were scaled and centered (Bro and Smilde 2003) using the caret package (Kuhn and Johnson 2013). We performed all of the analyses using R statistical Software (R Core Team 2016). We fitted the occupancy models were using the unmarked package (Fiske and Chandler 2011) and we ranked the models based on Akaike's Information Criteria for small sample sizes (AICc) using the MuMin Package (Bartoń 2016). First, we selected the best detection probability model for each species by fitting all possible first order models while holding occupancy constant. Next, the detection portion of the model was fixed while the occupancy component of the model was selected following similar steps. Since both burn intensity measurements were highly correlated (≥ 0.98 Pearson correlation coefficient), we did not allow those variables to coexist in the tested models. We expected non-linear relationships between fire intensity and occupancy, and thus we included both the linear and quadratic parameter of the burn intensity variables. We didn't use model averaging since even though collinear variables were prohibited to coexist in the same model, these might coexist in the average model (Cade 2015). We projected the resulting occupancy model to the entire National Forest for each species included in this study and the best model for each species was assessed for goodness of fit using a Pearson Chi square statistic (MacKenzie and Bailey 2004). For each bat species, occupancy inside and outside of the fire areas was compared by with a t-test between the fitted values for the sampled points.

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Here are two sample references: Bartoń (2013; Cade 2015).

References

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