

Signal type	Training data recording location	Detection/classification approach	R?	Python?	Open source?	Citation	Repository?
Nocturnal flight calls of multiple avian species	Six locations in New York State, USA	BLEED detector in external program + RF	Y	N	Y	<a href="#">Ross and Allen (2014)</a>	Package on R forge ( <a href="#">Ross, 2013</a> )
Four primate species	Taï National Park, Côte d'Ivoire	Speaker segmentation + SVM or Gaussian Mixture Models	Y	N	N	<a href="#">Heinicke et al. (2015)</a>	Code availability not indicated in publication
Two northeastern songbird species	10 sites in Vermont and New York, USA	Binary point matching or spectrogram cross-correlation	Y	N	Y	<a href="#">Katz et al. (2016a,b)</a>	Package on CRAN ( <a href="#">Hafner and Katz, 2018</a> )
Forest elephants	Three sites in Gabon and one in the Central African Republic	CNNs	N	Y	N	<a href="#">Bjorck et al. (2019)</a>	Code availability not indicated in publication
Two frog species	Temperate N. America and Panama	Measure the presence of periodic structure based on the power spectral density	Y	Y	Y	<a href="#">Lapp et al. (2021)</a>	Python and R implementations on GitHub
No signals specified	~	Binary point matching or spectrogram cross-correlation + SVM, RF, others	Y	N	Y	<a href="#">Balantic and Donovan (2020)</a>	Package on Gitlab
Chimpanzees	Taï National Park, Côte d'Ivoire	Convolutional recurrent neural networks	N	Y	Y	<a href="#">Anders et al. (2021)</a>	Package on GitHub
984 bird species	North America and Europe	Deep artificial neural networks	N	Y	Y	<a href="#">Kahl et al. (2021)</a>	Source code on GitHub
12 bird species and 2 small mammal species	Forested landscapes of Oregon and Washington, USA	CNNs	Y	Y	Y	<a href="#">Ruff et al. (2021)</a>	Code and data on Zenodo ( <a href="#">Ruff et al., 2020</a> )
Hainan gibbons	Hainan, China	CNNs	N	Y	Y	<a href="#">Dufourq et al. (2021)</a>	Code available on GitHub; training data on Zenodo ( <a href="#">Dufourq et al., 2020</a> )
Bat echolocation calls and two owl species	Europe	CNNs	Y	Y	Y	<a href="#">Silva et al. (2022)</a>	Package on CRAN ( <a href="#">Silva, 2022</a> )
Hainan gibbons, black-and-white ruffed lemurs and two bird species	Hainan, China; Ranomafana National Park, Madagascar; Mount Mulanje Biosphere Reserve, Malawi and Intaka Island Nature Reserve in Cape Town, South Africa	Pretrained CNNs (e.g., transfer learning)	N	Y	Y	<a href="#">Dufourq et al. (2022)</a>	Code available on GitHub
60 species of katydids	Barro Colorado Island, Panama	CNNs	N	Y	Y	<a href="#">Madhusudhana et al. (2019)</a>	Code available on Zenodo ( <a href="#">Madhusudhana, 2021</a> )

Repositories are linked if they have an associated digital object identifier (DOI) or are available *via* package development web sites such as the Comprehensive R Archive Network (CRAN). Otherwise, availability as indicated in associated publications is shown.