

## **An introduction to distance sampling**

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Distance sampling is arguably one of the most widely used methods for estimating animal abundance. In this short course we will present the basics of the methods, covering survey design considerations, the methods assumptions and the consequences of their failure. Without going into the details, we will present the main types of distance sampling modes available. This will include conventional distance sampling, multiple covariate distance sampling, spatial models and mark recapture distance sampling. In the practical component we will cover the basics to format the data and develop a conventional distance sampling analysis using the R Distance package (Miller et al 2019).

### ***Referencias***

*Miller, D. L.; Rexstad, E.; Thomas, L.; Marshall, L. & Laake, J. L. 2019 Distance Sampling in R Journal of Statistical Software, Foundation for Open Access Statistic, 89 DOI: 10.18637/jss.v089.i01*

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