Overview of Distance software



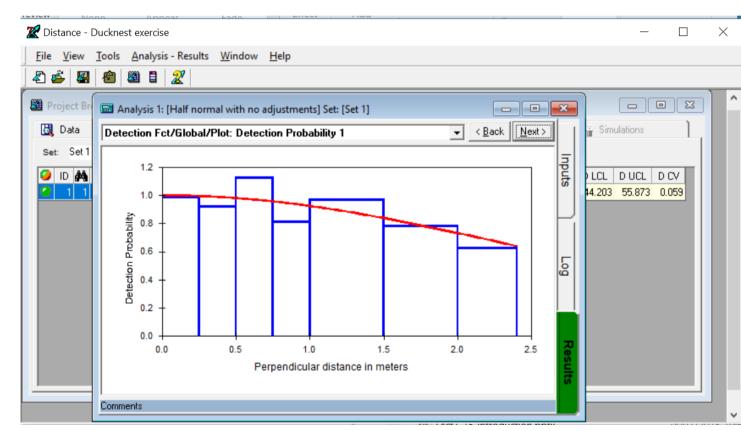


What is Distance?

Windows software for design and analysis of distance sampling surveys

Free to download from distancesampling.org

Analysis methods are also available as a set of R packages.

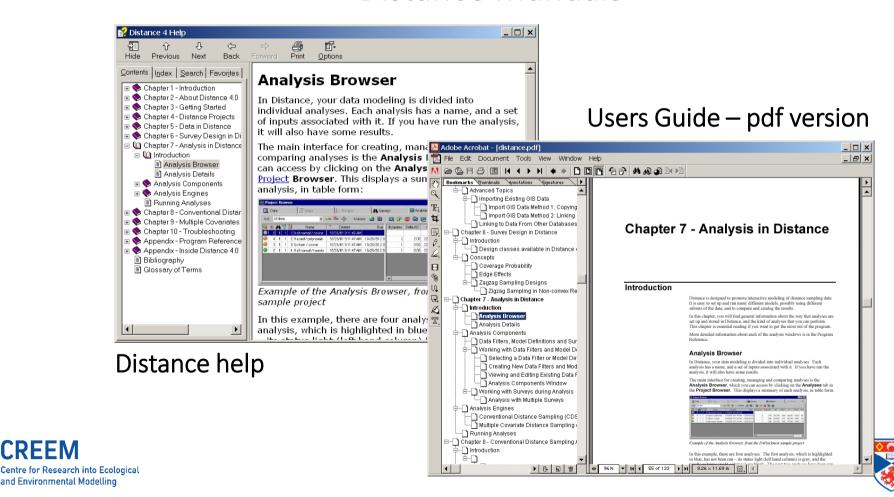






Introduction

Distance Manuals



University of

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Introduction

Support

distance-sampling email list

To join, send a message to distance-sampling+subscribe@googlegroups.com with a blank subject and message

You will receive a confirmation from Google (check you spam filter)

Because the list is maintained by Google, the messages dating back to 1998, are searchable

Distance home page distancesampling.org



Welcome to the Distance project website

The Distance project provides software for the design and analysis of distance sampling surveys of wildlife populations. This software takes two forms: a Windows-based program and a suite of packages for the statistical programming language R.

What is distance sampling?

UPCOMING: Distance sampling workshops at St Andrews in August 2014



Distance for Windows

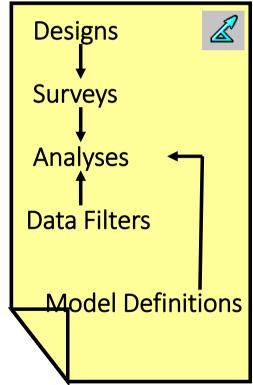




Distance Projects

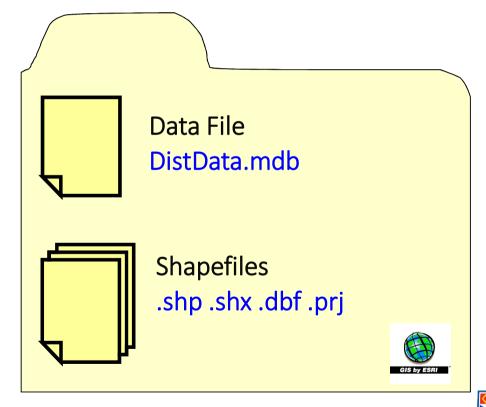
Project File

MyProject.dst



Data Folder

MyProject.dat



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Distance Projects

To create a New Project:

New Project Setup Wizard (File | New Project)

To open a Project:

File | Open Project

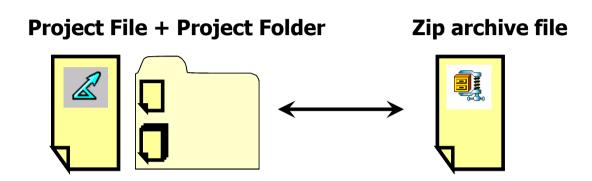
To check Project Settings:

Project Properties (File | Project properties)





Distance Projects



To export a project to zip archive:

File | Export Project

Save as type "zip archive files *.zip"

To unpack a project from zip archive, and open:

File | Open

Files of type "zip archive files *.zip"



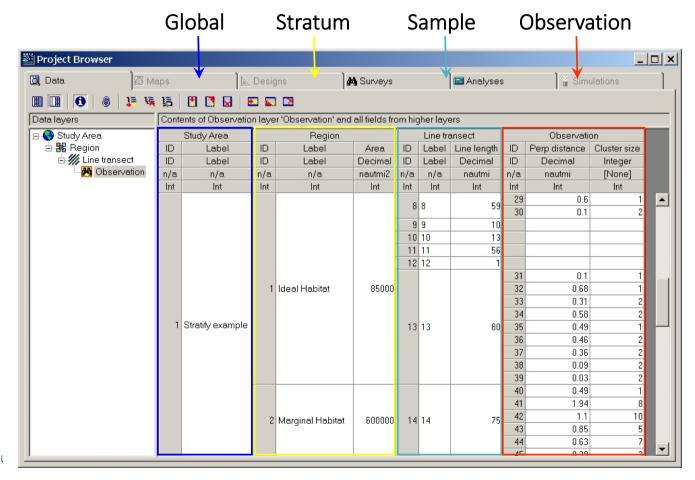


Data Layers Global layer Stratum layer Sample layer Observation layer





Data Layers







Data Fields

Line transect		Observation			
ID	Label	Line length	ID	Perp distance	Cluster size
ID	Label	Decimal	ID	Decimal	Integer
n/a	n/a	nautmi	n/a	nautmi	[None]
Int	Int	Int	Int	Int	Int
8	8	59	29 30	0.6 0.1	1 2
9	9	10			
10	10	13			
11	11	56		3 3	2
12	12	1			
		13 80	31	0.1	1
			32	0.68	1
	13		33	0.31	2
13			34	0.58	2
			35	0.49	. 1
			36	0.46	2
			37	0.36	2
			38	38 0.09	2
			39	0.03	2
	14		40	0.49	1
			41	1.94	8
14		75	42	1.1	10
			43	0.85	5
			44	0.63	7
			45	0.00	





Getting data into Distance:

Data Entry Wizard

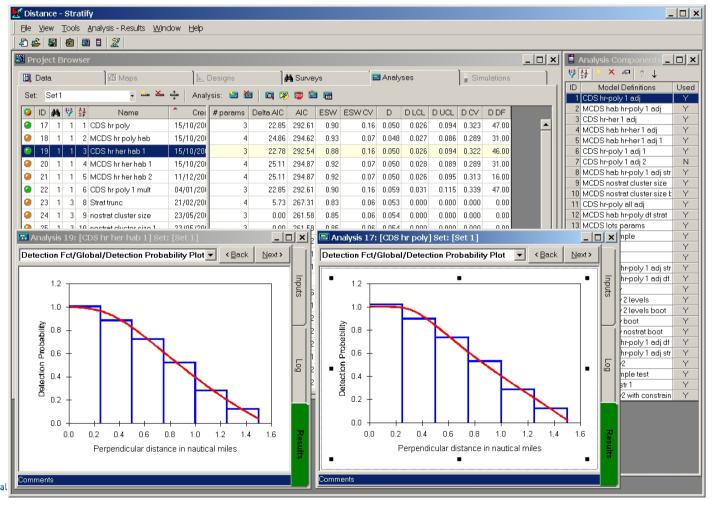
Data Explorer

Data Import Wizard





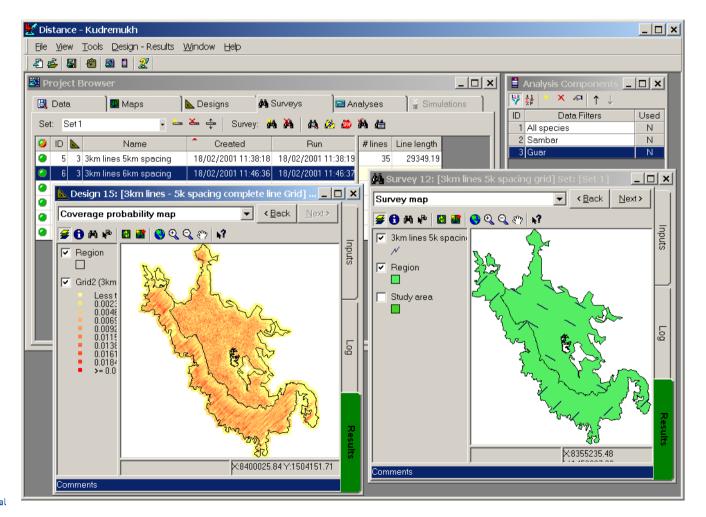
Analysis in Distance







Survey Design in Distance

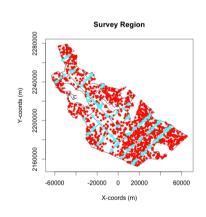






Distance Sampling simulation





The simulation engine permits assessment of estimator or survey design performance by generating populations, sampling from them and estimating density or abundance using the sampled data



