Introduction to distance sampling
Online workshop

Note: Exercise typically consists of exercise sheet, solution sheet and possibly a solution video, and can also have a distance project and distance solution project

Activity	Code	Title	Presenter	Approx tim	Notes
Chapter 1: Introduction to Distance Sampling					
Video lecture	L1.1	Introduction to workshop	ER	10	
Video lecture	L1.2	Introduction to distance sampling	ER	20	
Exercise?	E1.1	Plot sampling - seals on a beach?	?	20	
Exercise	E1.2	Ducknests by hand	ER	20	
Video lecture	L1.3	Types of distance sampling and recap	ER	15	Also to include the "which method when" slide
Video lecture	L1.4	Choosing a detection function	LT	25	
Video lecture	L1.5	Three more ways to think about line transects	LT	10	
Exercise	E1.3	Ducknests by hand - other ways	LT	20	
Video lecture	L1.6	Introduction to Distance software	LT	10	
Exercise	L1.7	Ducknests in Distance	LT	20	Not including the time to install Distance, but does include time to
pdf	N1.1	Notation -- available as a handy pdf			
			Total:	170	
Chapter 2: Making distance sampling work					
Video lecture	L2.1	Assessment of model performance	DLB	25	
Video lecture	L2.2	More on Distance software	LT	10	If necessary -- need to think if it's necessary
Exercise	E2.1	Ducknests model selection	ER	30	
Video lecture	L2.3	Making distance sampling work	TAM	20	Does not include analysis hints
Video lecture	L2.4	Measures of precision	TAM	35	Does not include systematic
Video lecture	L2.5	Analysis hints	TAM	10	
Exercise	E2.2	Other line transect examples	MLB	60	Includes truncation -- check we covered this earlier!
			Total:	190	
Chapter 3: Point transect sampling					
Video lecture	L3.1	Point transect sampling	STB	15	
Video lecture	L3.2	Point transect sampling case studies	STB	25	
Exercise	E3.1	Point transects	STB	60	
pdf	N3.1	Point transect notation - available as a handy pdf			
			Total:	100	
Chapter 4: Survey design and field methods					
Video lecture	L4.1	Survey design	DH	20	
Video lecture	L4.2	Edge effects	DH	15	

Video lecture	L4.3	Sample size	DH	10	
Video lecture	L4.4	Automated survey design	LHM	25	
Video lecture	L4.5	Automated survey design in Distance	LHM	10	
Exercise	E4.1	Survey design	LHM	60	
Video lecture	L4.6	Field methods	CO	25	
			Total:	165	
Chapter 5: Stratification, clusters and covariates					
Video lecture	L5.1	Systematic variance estimation	LT	15	
Exericse	E5.1	Systematic variance estimation	LT	45	
Video lecture	L5.2	Stratification	DLB	20	
Exercise	E5.2	Stratification	MLB	45	
Video lecture	L5.3	Cluster size	CO	15	
Exercise	E5.3	Cluster size	MLB	45	
Video lecture	L5.4	Covariates in the detection function	LT	20	
Video lecture	L5.5	Compilcations with covariates	LT	10	Includes analysis guidelines
			Total:	215	
Chapter 6: Other topics					
Video demonstration	L6.1	Importing data into Distance	LT	15	
Exercise	E6.1	Covariates in the detection function	LT	60	
Video lecture	L6.2	Analysis with the use of multipliers	DH	25	Could be split up
Exercise	E6.2	Multipliers	DH	60	
Video lecture	L6.3	Overview of advanced topics	ER	20	
			Total:	180	
			Grand total:	1020 minutes	17 hours

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