

Videos for “Relationship Inference with Familias and R. Statistical Methods in Forensic Genetics”

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Thore Egeland

Some videos are provided below to help solving exercises in the book mentioned in the title. The exercises and input files are available from familias.name/book.html. Some extra videos made for courses, software and talks are also available below while some videos in Spanish are [here](#).

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Relatives and Mixtures: R library relMix

Thore Egeland presented the [relMix](#) library, the GUI version developed by Guro Dørum, at a Kinship workshop in ISFG 2017 Seoul ([Mixtures and Relatives](#)). The below video supplements this presentation. The input files used in the video are available as a [zipped folder](#) .

Description: relMixDemo
Duration: 13:46

Type	Size	Link
MP4 with Smart Player (480p)	13,7 MB	View...
MP4 with Smart Player (720p)	20,1 MB	View...
MP4 with Smart Player (1080p)	22,9 MB	View...
MP3 (Audio Only)	7,89 MB	View...

Relationship Inference with Familias and R

Video recorded talk. Thore Egeland: [Relationship Inference with Familias and R](#). Oct 1 [ISHI workshop](#), Seattle, WA, US. See also [HITA](#).

Workshop Nicosia, Cyprus 2017

Exercise C1. FamiliasPedigreeCreator - a plotting tool

Description: A simple program for plotting multiple Familias pedigree
Duration: 6.03

Type	Size	Link
MP4 with Smart Player (480p)	7,96 MB	View...
MP4 with Smart Player (720p)	12,2 MB	View...
MP4 with Smart Player (1080p)	20,1 MB	View...
MP3 (Audio Only)	3,48 MB	View...

Exercise C2. Missing sister

Duration: 8:33

Type	Size	Link
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MP4 with Smart Player (480p)	11,9 MB	View...
MP4 with Smart Player (720p)	17,6 MB	View...
MP4 with Smart Player (1080p)	28,2 MB	View...
MP3 (Audio Only)	6,06 MB	View...

Exercise C3. Missing sister – power.

Description: Exclusion probabilities and conditional simulation

Duration: 8:03

Type	Size	Link
MP4 with Smart Player (480p)	12,3 MB	View...
MP4 with Smart Player (720p)	19,4 MB	View...
MP4 with Smart Player (1080p)	30,6 MB	View...
MP3 (Audio Only)	5,06 MB	View...

General videos

Relationship Inference with Familias

The audio was bad in the EUROFORGEN NoE Webinar Nov 9 webinar and this motivates this is slightly revised version recorded after the actual webinar. Some questions and comments from the webinar have been integrated. Duration: 27:38

Type	Size	Link
MP4 with Smart Player (480p)	30,3 MB	View...
MP4 with Smart Player (720p)	46,1 MB	View...
MP4 with Smart Player (1080p)	76,5 MB	View...
MP3 (Audio Only)	16,3 MB	View...

Chapter 2 Basics

Exercise 2.1 Introduction to Familias 3

The third alternative below gives the best resolution

Type	Size	Link
MP4 with Smart Player (480p)	16,4 MB	View...
MP4 with Smart Player (720p)	23,0 MB	View...
MP4 with Smart Player (1080p)	34,4 MB	View...
MP3 (Audio Only)	9,34 MB	View...

Exercise 2.2 Introduction to mutations

Duration: 6:12

Type	Size	Link
MP4 with Smart Player (480p)	7,41 MB	View...
MP4 with Smart Player (720p)	10,7 MB	View...
MP4 with Smart Player (1080p)	17,1 MB	View...
MP3 (Audio Only)	3,55 MB	View...

Exercise 2.3 Identification. Specifying sibs

Duration: 5:04

Type	Size	Link
MP4 with Smart Player (480p)	6,84 MB	View...
MP4 with Smart Player (720p)	9,99 MB	View...
MP4 with Smart Player (1080p)	15,7 MB	View...
MP3 (Audio Only)	2,90 MB	View...

Excercise 2.4 Grandparent – grandchild?

Duration: 3:00

Type	Size	Link
MP4 with Smart Player (480p)	5,20 MB	View...
MP4 with Smart Player (720p)	7,63 MB	View...
MP4 with Smart Player (1080p)	11,8 MB	View...
MP3 (Audio Only)	1,72 MB	View...

Exercise 2.6 Inbreed pedigrees, hypotheses

Duration: 5:23

Type	Size	Link
MP4 with Smart Player (480p)	7,29 MB	View...
MP4 with Smart Player (720p)	10,6 MB	View...
MP4 with Smart Player (1080p)	15,9 MB	View...
MP3 (Audio Only)	3,08 MB	View...

Exercise 2.7 Mutation models

Duration: 8:21

Type	Size	Link
MP4 with Smart Player (480p)	11,4 MB	View...
MP4 with Smart Player (720p)	17,9 MB	View...
MP4 with Smart Player (1080p)	29,3 MB	View...
MP3 (Audio Only)	4,78 MB	View...

Exercise 2.9 Complete paternity case with mutation

Duration: 4:34

Type	Size	Link
MP4 with Smart Player (480p)	6,02 MB	View...
MP4 with Smart Player (720p)	8,98 MB	View...
MP4 with Smart Player (1080p)	14,0 MB	View...
MP3 (Audio Only)	2,61 MB	View...

Exercise 2.10 Sisters or half sisters?

Duration: 1:43

Type	Size	Link
MP4 with Smart Player (480p)	3,17 MB	View...
MP4 with Smart Player (720p)	4,46 MB	View...
MP4 with Smart Player (1080p)	6,83 MB	View...
MP3 (Audio Only)	0,98 MB	View...

Exercise 2.11 Silent allele

Duration: 2:18

Type	Size	Link
MP4 with Smart Player (480p)	4,50 MB	View...
MP4 with Smart Player (720p)	6,98 MB	View...
MP4 with Smart Player (1080p)	11,9 MB	View...
MP3 (Audio Only)	1,30 MB	View...

Exercise 2.13 Theta correction

Duration: 1:11

Type	Size	Link
MP4 with Smart Player (480p)	2,48 MB	View...
MP4 with Smart Player (720p)	3,36 MB	View...
MP4 with Smart Player (1080p)	4,99 MB	View...
MP3 (Audio Only)	701 KB	View...

Exercise 2.14 Input and output

Duration: 4:14

Type	Size	Link
MP4 with Smart Player (480p)	6,48 MB	View...
MP4 with Smart Player (720p)	9,92 MB	View...
MP4 with Smart Player (1080p)	16,4 MB	View...
MP3 (Audio Only)	2,42 MB	View...

Exercise 2.15 Paternity and dropout

Duration: 3:15

Type	Size	Link
MP4 with Smart Player (480p)	6,12 MB	View...
MP4 with Smart Player (720p)	9,37 MB	View...
MP4 with Smart Player (1080p)	15,7 MB	View...
MP3 (Audio Only)	1,85 MB	View...

Exercise 2.16 Silent allele and dropout

Duration: 2:32

Type	Size	Link
MP4 with Smart Player (480p)	5,17 MB	View...
MP4 with Smart Player (720p)	7,55 MB	View...
MP4 with Smart Player (1080p)	12,1 MB	View...
MP3 (Audio Only)	2,02 MB	View...

Similar to Exercise 2.17 Simulation

Duration: 0:05:23

Type	Size	Link
PC (Flash)	11.0 MB	View...
IPAD	8.74 MB	View...
Mobile	4.87 MB	View...
Sound (MP3)	3.11 MB	View...

Chapter 3 Searching for Relationships

DVI tutorial. Similar to Exercise 3.1

Title: DVIEx1Familias

Description: A very small DVI case is presented.

Duration: 0:08:39

Type	Size	Link
PC (Flash)	12.6 MB	View...
IPAD	10.3 MB	View...
Mobile	6.45 MB	View...
Sound (MP3)	5.01 MB	View...

Excercise 3.2 Introduction to blind search

Description: Blind search - warm up example

Type	Size	Link
MP4 with Smart Player (480p)	8,17 MB	View...
MP4 with Smart Player (720p)	11,9 MB	View...
MP4 with Smart Player (1080p)	19,1 MB	View...
MP3 (Audio Only)	3,91 MB	View...

Exercise 3.3 DVI. Plane crash

Duration: 11:48

Type	Size	Link
MP4 with Smart Player (480p)	14,8 MB	View...
MP4 with Smart Player (720p)	22,7 MB	View...
MP4 with Smart Player (1080p)	38,1 MB	View...
MP3 (Audio Only)	7,31 MB	View...

Exercise 3.6 Familial searching

Duration: 11:51

Type	Size	Link
MP4 with Smart Player (480p)	13,4 MB	View...
MP4 with Smart Player (720p)	19,8 MB	View...
MP4 with Smart Player (1080p)	32,2 MB	View...
MP3 (Audio Only)	6,78 MB	View...

Chapter 4 Dependent Markers

Excercise 4.1 Introduction to FamLink

Description: Simple paternity case with FamLink

Type	Size	Link
MP4 with Smart Player (480p)	11,5 MB	View...
MP4 with Smart Player (720p)	16,8 MB	View...
MP4 with Smart Player (1080p)	27,3 MB	View...
MP3 (Audio Only)	6,28 MB	View...

Excercise 4.2 Disputed sibships with linked markers

Duration: 3:36

Type	Size	Link
MP4 with Smart Player (480p)	4,78 MB	View...
MP4 with Smart Player (720p)	6,60 MB	View...
MP4 with Smart Player (1080p)	9,98 MB	View...
MP3 (Audio Only)	2,05 MB	View...

Excercise 4.3 Introduction to FamLink

Duration: 4:24

Type	Size	Link
MP4 with Smart Player (480p)	6,03 MB	View...
MP4 with Smart Player (720p)	8,49 MB	View...
MP4 with Smart Player (1080p)	12,9 MB	View...

MP3 (Audio Only)	2,51 MB	View...
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Excercise 4.12 Introduction to FamLinkX

Duration: 13:27

Type	Size	Link
MP4 with Smart Player (480p)	13,3 MB	View...
MP4 with Smart Player (720p)	19,4 MB	View...
MP4 with Smart Player (1080p)	31,9 MB	View...
MP3 (Audio Only)	7,70 MB	View...

Excercise 4.13

Duration: 6:58

Type	Size	Link
MP4 with Smart Player (480p)	8,75 MB	View...
MP4 with Smart Player (720p)	12,9 MB	View...
MP4 with Smart Player (1080p)	20,6 MB	View...
MP3 (Audio Only)	3,99 MB	View...

Excercise 4.14 Lambda model. Lambda estimates in R

Description: The exercise is discussed. In addition, there is more on the lambda model and how lambda can be estimating by interfacing with R

Duration: 12:29

Type	Size	Link
MP4 with Smart Player (480p)	13,2 MB	View...
MP4 with Smart Player (720p)	19,1 MB	View...
MP4 with Smart Player (1080p)	30,5 MB	View...
MP3 (Audio Only)	7,13 MB	View...

Exercise 4.16

Duration: 6:41

Type	Size	Link
MP4 with Smart Player (480p)	8,55 MB	View...
MP4 with Smart Player (720p)	12,6 MB	View...
MP4 with Smart Player (1080p)	20,6 MB	View...
MP3 (Audio Only)	3,82 MB	View...

Chapter 5 Relationship Inference with R

Exercise 5.1 Introduction to R Familias

Duration: 18:42

Type	Size	Link
MP4 with Smart Player (480p)	20,5 MB	View...
MP4 with Smart Player (720p)	30,9 MB	View...
MP4 with Smart Player (1080p)	50,8 MB	View...
MP3 (Audio Only)	10,7 MB	View...

Plotting pedigrees with genotypes

Duration: 7:08

Type	Size	Link
MP4 with Smart Player (480p)	9,97 MB	View...
MP4 with Smart Player (720p)	15,4 MB	View...

MP4 with Smart Player (1080p)	24,9 MB	View...
MP3 (Audio Only)	4,08 MB	View...

Other videos

Introduction to Relationship Inference and Familias 3

Duration: 14:09

Type	Size	Link
MP4 with Smart Player (480p)	12,9 MB	View...
MP4 with Smart Player (720p)	17,3 MB	View...
MP4 with Smart Player (1080p)	25,5 MB	View...
MP3 (Audio Only)	8,14 MB	View...

Plotting pedigrees in R

Type	Size	Link
MP4 with Smart Player (480p)	6,78 MB	View...
MP4 with Smart Player (720p)	9,63 MB	View...
MP4 with Smart Player (1080p)	14,7 MB	View...
MP3 (Audio Only)	3,27 MB	View...

Krakov Sep 1 2015 Familias demo

Description: Familias example with dropout.

Duration: 7:19

Type	Size	Link
MP4 with Smart Player (480p)	7,59 MB	View...

MP4 with Smart Player (720p) 10,4 MB [View...](#)
 MP4 with Smart Player (1080p) 15,3 MB [View...](#)
 MP3 (Audio Only) 4,19 MB [View...](#)

Krakov Sep 1 2015 R mixture demo

Description: Functions in BookEKM doing mixture calculations are demonstrated
 Duration: 9:53

Type	Size	Link
MP4 with Smart Player (480p)	11,5 MB	View...
MP4 with Smart Player (720p)	16,9 MB	View...
MP4 with Smart Player (1080p)	26,7 MB	View...
MP3 (Audio Only)	5,65 MB	View...

R Familias. Prior

Description: Exporting to R Familias. Changing prior
 Duration: 7:50

Type	Size	Link
MP4 with Smart Player (480p)	11,4 MB	View...
MP4 with Smart Player (720p)	17,9 MB	View...
MP4 with Smart Player (1080p)	30,2 MB	View...
MP3 (Audio Only)	4,49 MB	View...

Creating pedigree. FamLinkX

Duration: 5:27

Type	Size	Link
MP4 with Smart Player (480p)	6,16 MB	View...
MP4 with Smart Player (720p)	8,54 MB	View...
MP4 with Smart Player (1080p)	12,9 MB	View...
MP3 (Audio Only)	2,99 MB	View...

