

How to run TIMING with real consumption rate?

You need following TIMING file with
real c_{xj}

... **__15_For_TIMING_4-with Cxj.txt**

How to get

... __15_For_TIMING_4-with Cxj.txt

1. Use TWOSEX to analyze your life table to get file no. 11.
...._11_Bootstrap samples-date_....txt.
2. Use CONSUME to analyze your consumption data (with same bootstrap samples (file no. 11 in life table folder).
3. Run TWOSEX again.
4. Enter “No” at question “Life table only?”.
5. Read file no. 17 in consumption rate folder.
6. Run TIMING. When you see the question “Data with real C(x,j)?” Enter “Yes”
7. You will get the result with real consumption rate c_{xj} .
..._15_For_TIMING_4-with Cxj-Total Consumption.txt.

How to read c_{xj}

♥ Life table is the key to population ecology, pest management, and biological control

Age-Stage, Two-Sex Life Table Analysis

Graph

Survival rate to each age-stage group
It is the probability that a newborn will survive to age x and stage j .

Life table only?

Yes: Life table data only.
No: Read consumption rate $C(x,j)$.

Yes No

— Egg
— L1-L3
— L4-L6
— Pupa
— Female
— Male

40

Copyright 19...
Version...

Main procedures

- A1. Read data
- A2. Basic Run
- A3. Bootstrap
- B. Read N, F
- C. Pa...
- D. Pic...
- E. Ma...
- F. 3D...

Select a figure to display

- $s(x,j)$
- $g(x,j)$
- $d(x,j)$
- $l(x)$
- $m(x)$
- $l(x)m(x)$
- $v(x)$
- SASD
- SAD
- Survival to x stage
- Stage mortality
- Stage
- Tailed Ro
- Tailed r

Basic results



Net repr. rate (R_0) =	161.18
Intrinsic rate (r) =	0.1815855
Finite rate =	1.19911706
Mean gen. time (T) =	27.99

Adult $m(x)$ Adult $l(x)$
 $m(x)+preA$ $l(x)+preA$

Stage means Outputs
All results Note well!

Quit this program

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Read c_{xj} file in consumption rate folder (_17_)

Life table is the key to population ecology, pest management, and biological control

Age-Stage, Two-Sex Life Table Analysis

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Survival rate to each age-stage group
It is the probability that a newborn will survive to age x and stage j .

1.1

Open

00-Dataserv > 2017 金萍 > F1-CK-consumption

Name	Date modified
F1-CK-consumption_4_Bootstrap_Omega_in row.txt	3/14/2017
F1-CK-consumption_4_Bootstrap_Psi_in column.txt	3/14/2017
F1-CK-consumption_4_Bootstrap_Psi-in Row.txt	3/14/2017
F1-CK-consumption_4_Bootstrap_Qp_in column.txt	3/14/2017
F1-CK-consumption_4_Bootstrap_Qp-in Row.txt	3/14/2017
F1-CK-consumption_9_Bootstrap-Co frequency.txt	3/14/2017
F1-CK-consumption_17_Cxj_For_Predation_Prog.txt	3/14/2017
F1-CK-consumption_24_Bootstrap_Stage consume-1-...	3/14/2017
F1-CK-consumption_24_Bootstrap_Stage consume-2-...	3/14/2017
F1-CK-consumption_24_Bootstrap_Stage consume-3-...	3/14/2017

File name:

Open Cancel

Intrinsic rate (r) = 0.1815855

Finite rate = 1.19911706


Mean gen. time (T) = 27.99

Stage means Outputs

All results Note well!

Quit this program

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TIMING: Data with real c_{xj} ?

Population management based on age-stage, two-sex life table

Population Projection Based on the Age-Stage, Two-Sex Life Table

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Graph
Buenos dias!

Step 1. Enter simulation time
Step 2. Read life table
C:\Users\Prof. Dr. Hsin Chi\Doc
Step 3. Select control strategy
 None
 Management according to p
 Automatic control when the
size over AT or ET
 Optimize beginning


Attention
Data with real $C(x_j)$?
Yes No

Step 4. Management information
Step 5. Density-dependent K ?
Step 6. Run simulation
Step 7. List of graphic files
Step 8. Quit

t control strategy. 3.
4. Enter simulation
or help click on my
elcome (e-mail to
chu.edu.tw).
their success where
Edward Eggleston

We do not see things as they are, we see things as we are. -Talmudic Saying

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