Tobin Harbor Brook Trout Report

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Introduction

Brook trout are important. Isle Royale is a fun place to sample fish.

Methods

We electrofished. Caught and aged fish. Used a catch curve analysis to estimate the instantaneous mortality rate.

Results

A total of 594 brook trout were captured. The maximum catch of 172 fish occurred at age-1. The instantaneous mortality rate computed for ages 1 to 5 was 0.242 with a 95% confidence interval from 0.212 to 0.272 (Figure 1).
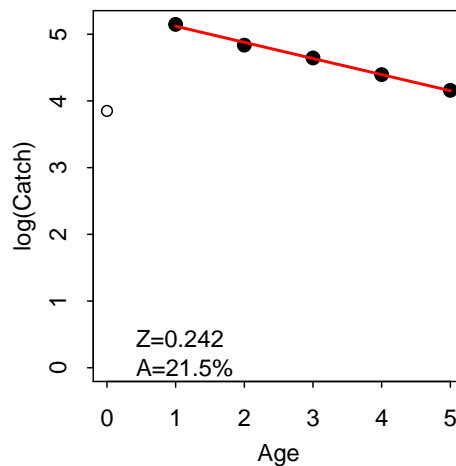

Figure 1. Log catch versus age for Tobin Harbor Brook Trout, with the ages used for estimating Z shown.

Discussion

We did great work.

Reproducibility Information

Version Information

- **Compiled Date:** Wed Mar 05 2014
- **Compiled Time:** 8:44:33 AM

R Information

- **R Version:** R version 3.0.2 (2013-09-25)
- **System:** Windows, i386-w64-mingw32/i386 (32-bit)
- **Base Packages:** base, datasets, graphics, grDevices, methods, stats, utils
- **Other Packages:** FSA_0.4.3, knitr_1.5.15
- **Loaded-Only Packages:** bitops_1.0-6, car_2.0-19, caTools_1.16, cluster_1.14.4, evaluate_0.5.1, formatR_0.10, Formula_1.1-1, gdata_2.13.2, gplots_2.12.1, grid_3.0.2, gtools_3.3.0, Hmisc_3.14-0, KernSmooth_2.23-10, lattice_0.20-24, latticeExtra_0.6-26, MASS_7.3-29, multcomp_1.3-2, mvtnorm_0.9-9997, nlme_3.1-113, nnet_7.3-7, plotrix_3.5-3, quantreg_5.05, RColorBrewer_1.0-5, sandwich_2.3-0, sciplot_1.1-0, SparseM_1.03, splines_3.0.2, stringr_0.6.2, survival_2.37-7, TH.data_1.0-3, tools_3.0.2, zoo_1.7-10
- **Required Packages:** FSA and its dependencies (car, gdata, gplots, Hmisc, knitr, multcomp, nlme, plotrix, quantreg, sciplot)