Course overview

FISH 507 – Applied Time Series Analysis

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Introductions

Who are we?

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Who are you?

What School/Dept/Program are you from?

What are you looking to get out this class?

Course format

Combination of lectures and labs

Hands-on exercises and R coding

Communications

We encourage lots of questions during class

Feel free to email any of the instructors outside of class

We will respond within 24 hours

Grading

Weekly homework (30% of total)

- Assigned Thurs at the end of computer lab
- Due by 11:59 PM the following Thurs
- Based on material from lectures & computer labs

Grading

Research project & paper (40% of total)

- Must involve some form of time series model(s)
- Due by 11:59 PM PST on March 14

Two anonymous peer-reviews (20% of total)

- One review each for 2 of your colleague's papers
- Due by 11:59 PM PST on March 18

Grading

Participation (10%)

- We expect you to show up and interact
- Please contact one of the instructors if you have any conflicts

Expectations for final project

- Research paper or thesis chapter that could result in a peer-reviewed publication
- Focus on applied time series analysis (univariate or multivariate)
- Short format similar to “Report” in *Ecology* or “Rapid Communication” in *CJFAS*
    - Max of 20 pages, inclusive of refs, tables, figs, etc
    - 12-pt font, double-spaced throughout

Don’t have time series data?

- RAM Legacy
- RAM’s Stock-Recruitment Database
- Global Population Dynamics Database
- NOAA NWFSC Salmon Population Summary
- SAFS
    - Alaska Salmon Program
    - Lake Washington plankton

Course topics