

Fishing in Texas with SAS

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Abstract

“Fishing in Texas with SAS” was designed to promote more efficient fishing through observing the feeding patterns of various record sport fish throughout the year over different regions of the state. This project utilized data provided by the Texas Parks and Wildlife Department, as well as the SAS/AF Frame system, and the SAS/EIS system. This paper structures a system, making it very user friendly. This project continues to prove that through statistics the world we live in can be seen more clearly and via SAS/AF Frame and EIS, such insight is greatly simplified for the general user.

Background

For over 12,000 years fishing has been a key method of producing

food for numerous communities. This often meant that fisherman would have to remember where, when, and how they caught the most and largest fish by using their instinct and not science. Over time, fishing, like hunting, became used more for sport than necessity. Today many fishermen fish for the thrill of the catch and not for the food potential. Recent advances in technology, more specifically global positioning systems (GPS) and sonar technology, along with new knowledge of seasonal feeding and mating habits have allowed us to use more scientific means of determining the where, when, and how to catch the largest fish. This has led to more accurate fishing reports via government regulated fishing. This program was designed to promote more efficient fishing through observing the feeding patterns of various record sport fish throughout the year over different regions of the

state. Several observations were made while working on this project, including an interesting quadratic relationship regarding length verses weight over all observed species of freshwater fish, frequencies of record catches by month per species, and the ideal locations based upon species and time of year. This will be elaborated on further at conference time.

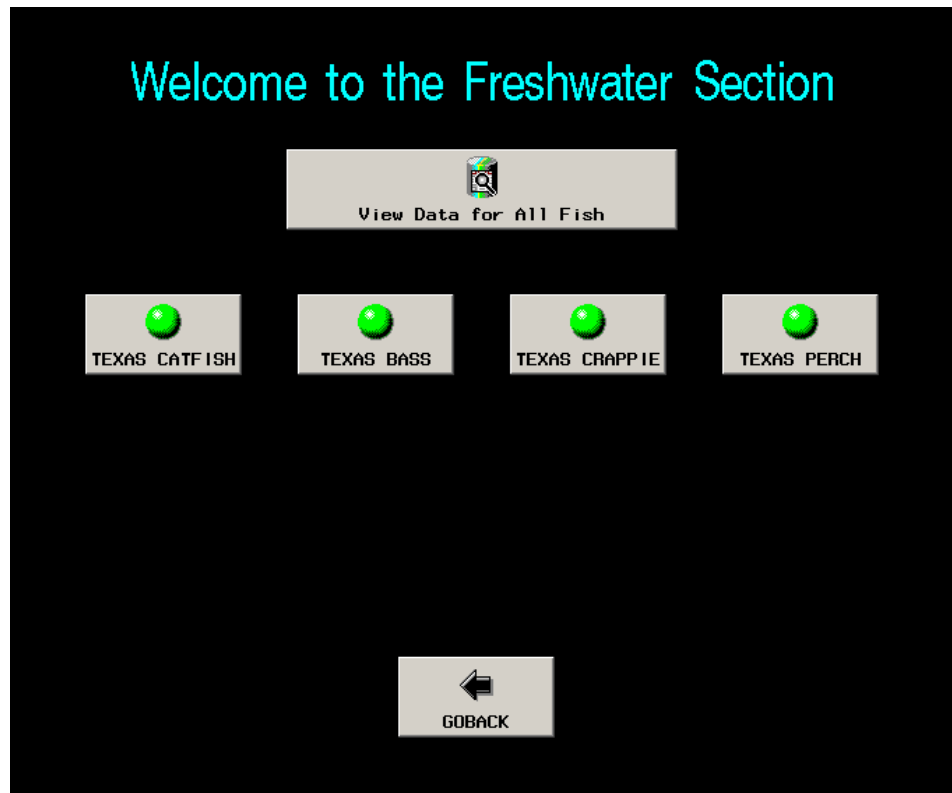
Approach

This project utilized the data of many hundreds of records

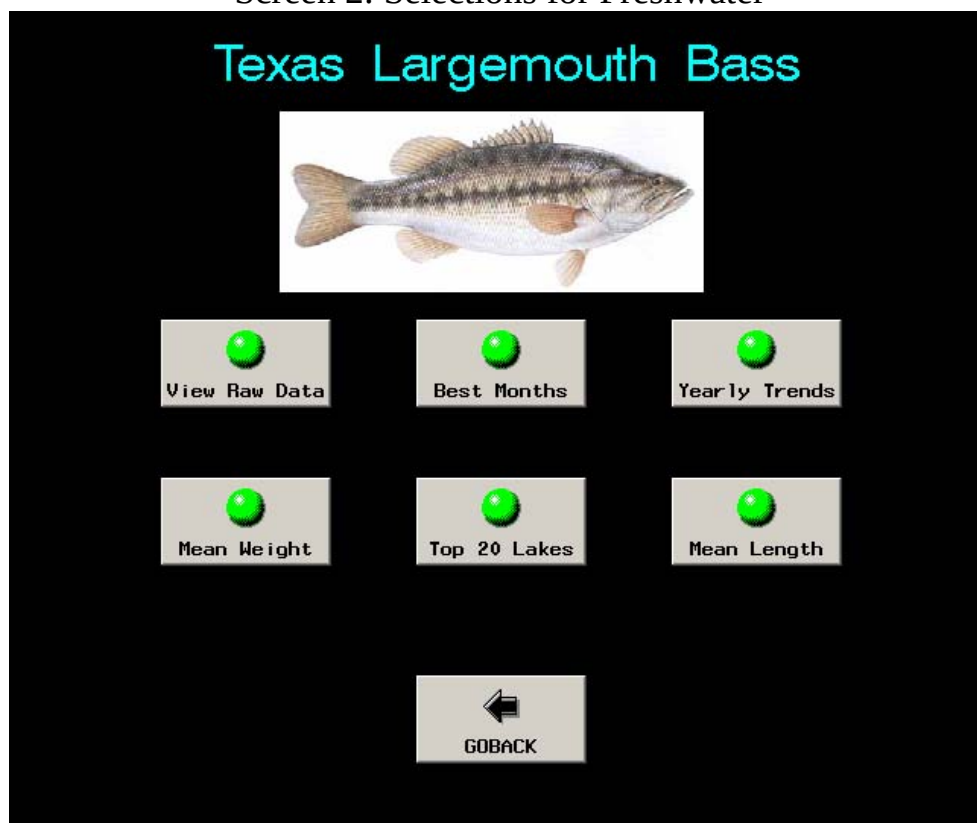
provided by the Texas Parks and Wildlife Department. It resorts directly to the SAS/AF Frame and SAS/EIS systems which allow for a GUI, graphical user interface, to be structured, making it very user friendly. Even though this project focuses on Texas fish, it can easily be adapted to any state and/or species of fish. Below is a sample of the presentation regarding the graphical user interface system and the previously mentioned quadratic relationship. Copies of all screens and the associated Screen Control Language (SCL) will be provided at conference time.



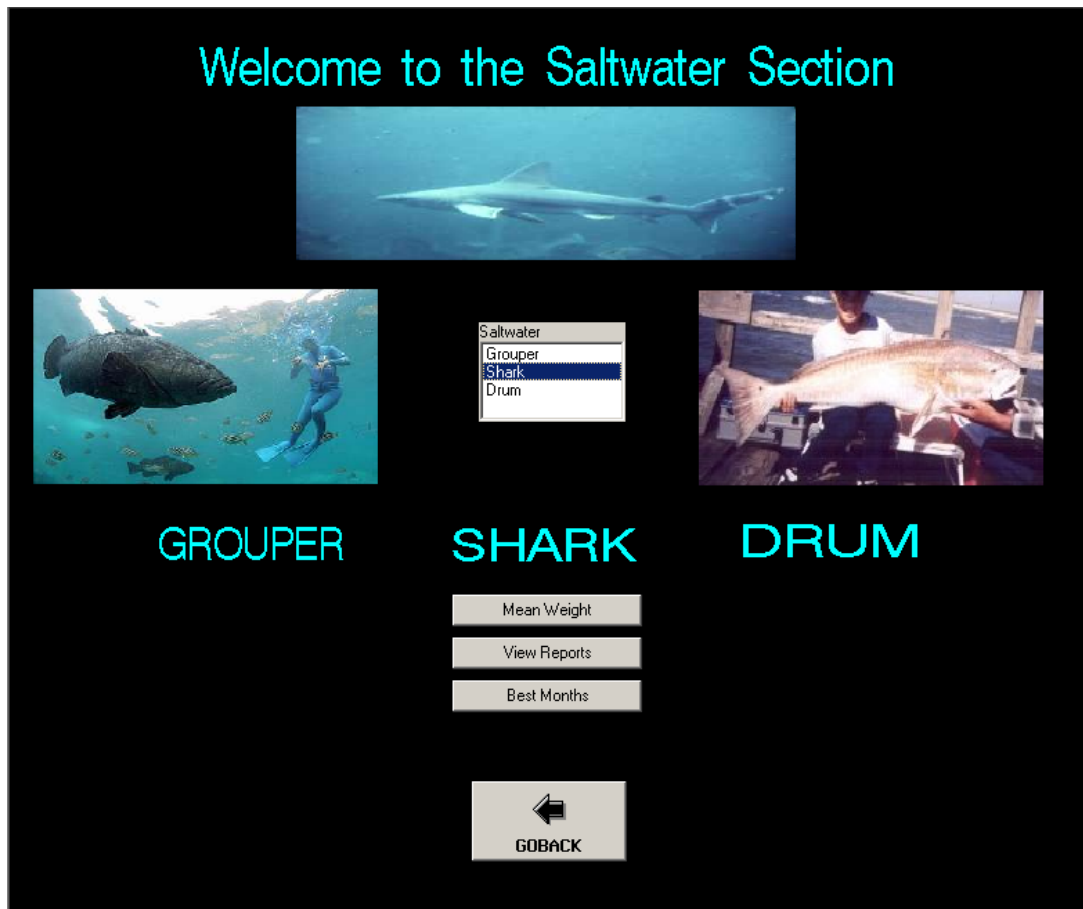
Screen 1: Choice for Fresh or Salt Water Fish Sources.



Screen 2: Selections for Freshwater



Screen 3: Selections for a Specific Species



Screen 4: Selections for Saltwater

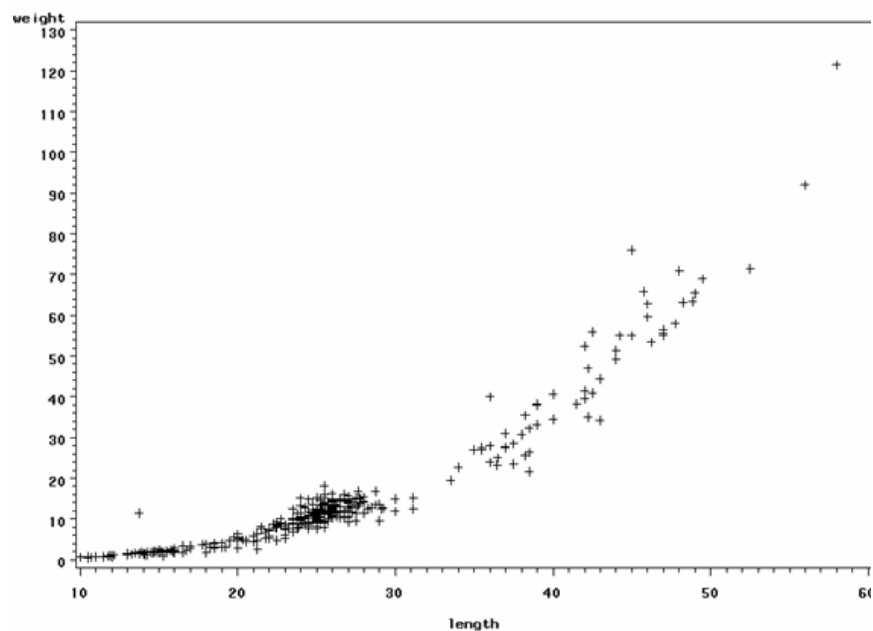


Figure 1: Quadratic Relationship Between Weight and Length.