

Northeastern University

Course: CS6020
Assignment: Module 4 - Data Import - C
Total Points: 100
Date Due: Posted on Blackboard

Learning Objectives

In this assignment, you will learn how to:

- read and parse XML
- retrieve data from XML

Tasks

1. (25 Points) Load and then parse the XML document at the URL (<http://www.cs.washington.edu/research/xmldatasets/data/auctions/ebay.xml>) using `xmlTreeParse()`. The data sets contains bidding information about items on eBay. Create any intermediate data objects as deemed necessary to write functions to answer the following question: how many auctions had more than 5 bids
2. (75 Points) Take a look at the data set on trades during a single day for ESZ13 futures trades at the URL <http://www.barchartmarketdata.com/data-samples/getHistory15.xml>. After loading the data, write functions to answer these retrieval queries:
 - a. what was the highest closing price for the security?
 - b. what was the total volume traded?
 - c. what was the average trading volume during each HOUR of the trading day; place the result into a data frame