

Tree Data Structures: Family Trees

CMSC 11500

Introduction to Computer Programming

October 25, 2002

Roadmap

- Recap: Family trees
 - Data definition: Structures of structures
- Traversing tree data structures
 - Collecting information from subtrees
 - Recursive data, recursive traversal
 - “All-blue-eyed-ancestors”
 - “Count-ancestors”
 - “how-deep”
- Summary

Family Trees

- Each child has: mother, father, & some attributes - e.g. birthdate, hair color, eye color

