EDS 221 Day 2 PM

Topic: *Indexing and 2d data*

Concept Mapping

Instructions

Review the session's content by **defining key terms** and linking them in a **concept map**.

1. Define key terms (in the context of this session). Write a brief (~1 sentence) definition of each of the terms below. Note: key terms continue onto next page.
2. Link terms in a concept map. On the reverse of this page are a series of blank boxes connected by arrows. Each arrow describes the link between the concepts.

Key terms

Term	**Definition**
matrix	**A 2-dimensional data structure (rows and columns) all of one type (like an atomic vector)**
names	**An attribute of a vector that gives each element a label**
data frame	**A 2-dimensional data structure (rows and columns) with mixed-type columns (like a datasheet)**
blanks	**When used in indexing, accesses an entire dimension (e.g. whole row or whole column)**
dimension(s)	**The shape of the data structure. 1d for vectors, 2d for matrices and data frames.**
$	**The "buck" operator, pulls columns from data frames**
data structures	**An umbrella term for objects that store data, like vectors, matrices, and data frames**
~~list~~	
negative integers	**When used to index, drops elements by position.**

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logicals	**When used to index, keeps only elements where the index is TRUE**
`[ ]`	**The square bracket operator, used for indexing**
vector	**A 1d data structure all of one type**
positive integers	**When used to index, keeps elements by position**
indexing	**Accessing data in a data structure**

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Concept map