

Slide 1: Joining Tables: An Introduction

Joining Tables: An Introduction

Sadie St. Lawrence, MSA
Data Scientist, VSP

UCDAVIS
EXTENSION

Slide 2: Learning Objectives

Learning Objectives

Discuss the benefits of a relational database system

Describe what a JOIN is and how to use the JOIN function to combine information from multiple tables

Describe how a key field is used to link data together

Slide 3: Benefits of Breaking Data into Tables

Benefits of Breaking Data into Tables

Efficient **storage**

Easier **manipulation**

Greater **scalability**

Logically **models** a process

Tables are **related** through **common values (keys)**

Slide 4: Joins

Joins

Associate correct records from each table on the fly

Allows **data retrieval** from multiple tables **in one query**

Joins are not physical – they persist for the duration of the query execution