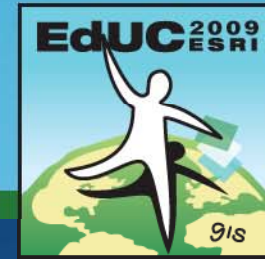


2009 ESRI Education User Conference

July 11–14, 2009



Introduction to Versioning Presented by Toni Fisher



Agenda

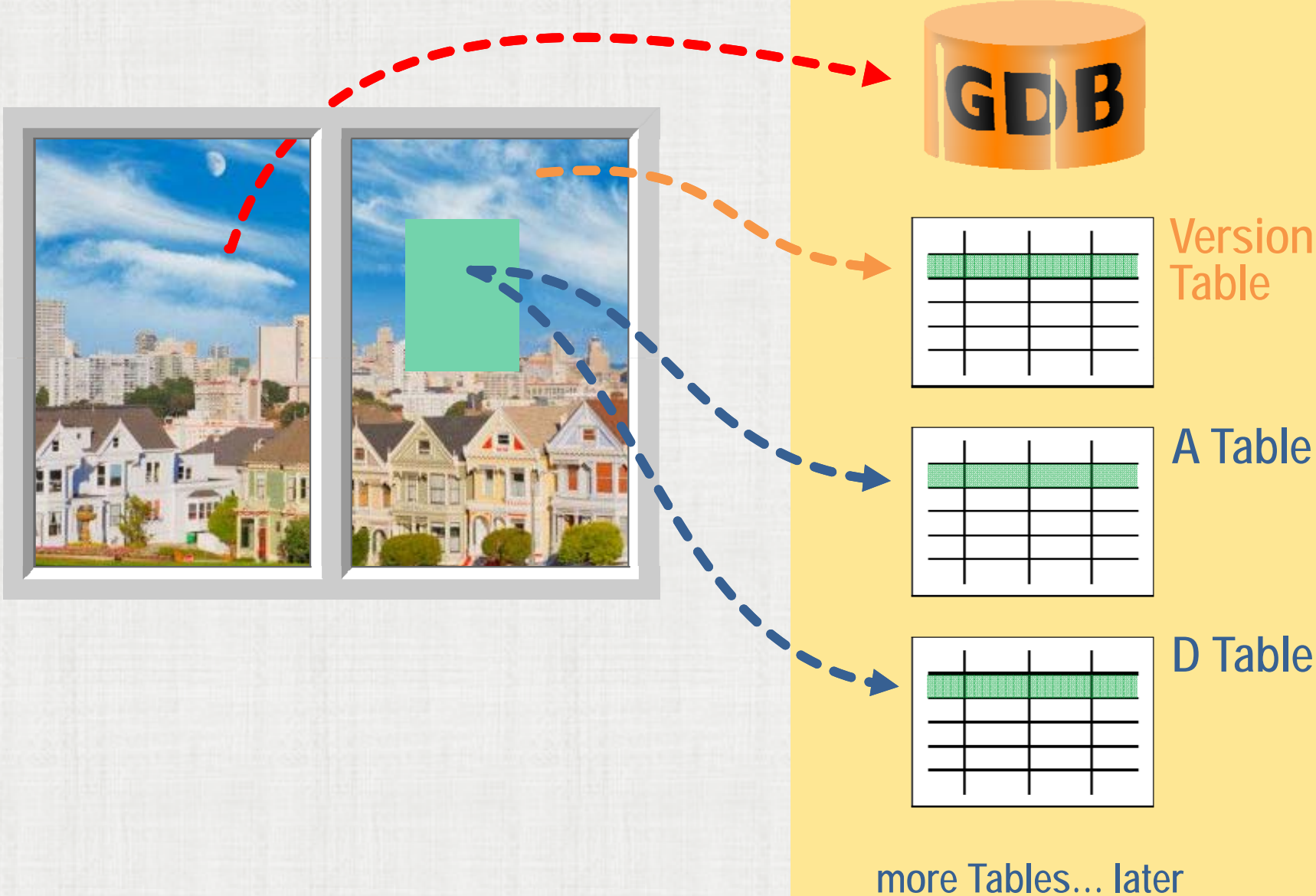
What is a Version?

Why do we care?

What else can we do?

What is a version?

A version



Many Versions



Green	Green	Green
Pink	Pink	Pink

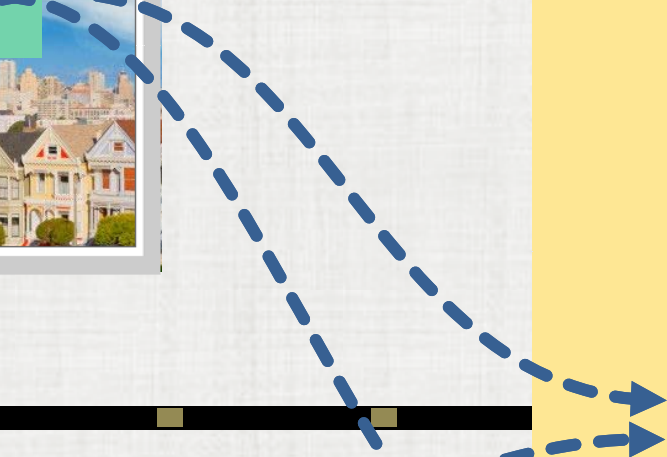
Version Table

Green	Green	Green
Pink	Pink	Pink

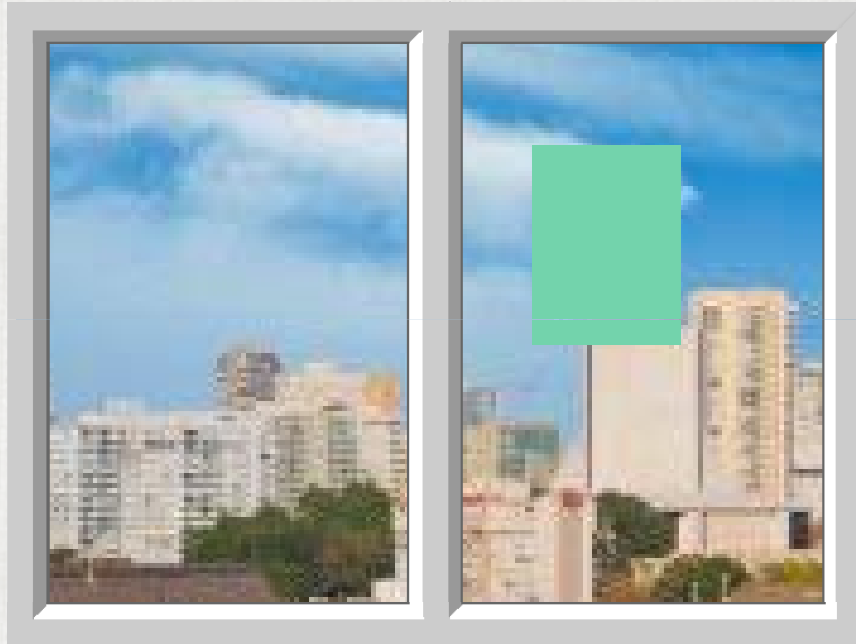
A Table

Green	Green	Green
Pink	Pink	Pink

D Table



The version equation



$$\begin{array}{c} \text{The} \\ \text{GDB} \\ \text{My World} \\ + \\ \text{My Delta} \\ = \\ \text{My Version} \end{array}$$

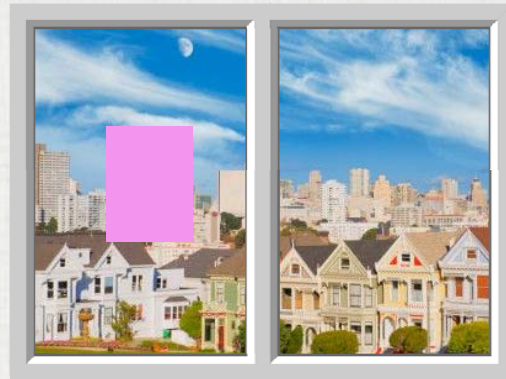


Is there
more than
one world
?

NO!



Is there
more than
one view
of it ?

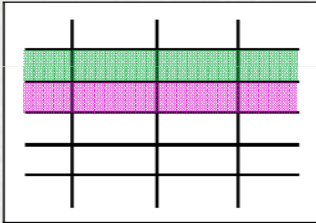


Yes!

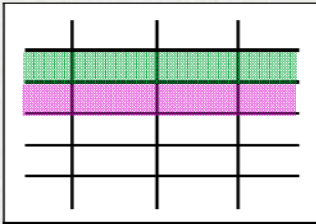


Share

Delta Tables

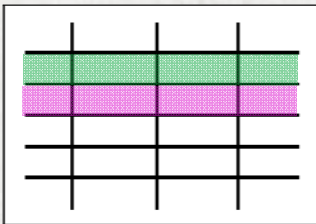


A Table



D Table

Share



Version Table

Owned

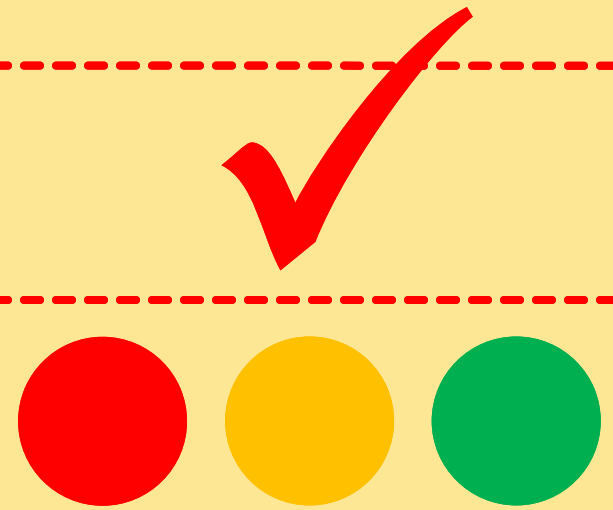
A version

Change data

Editing

Versioned

Non versioned



later

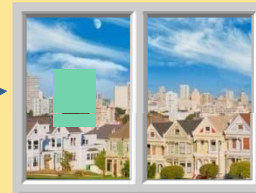
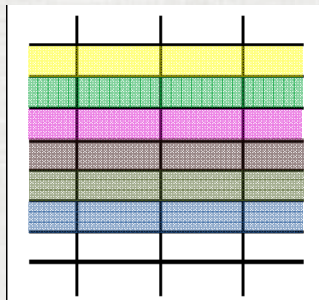


Default Version

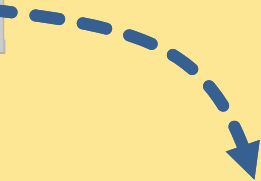
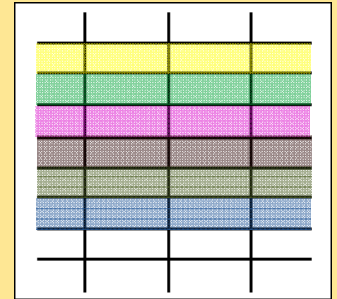
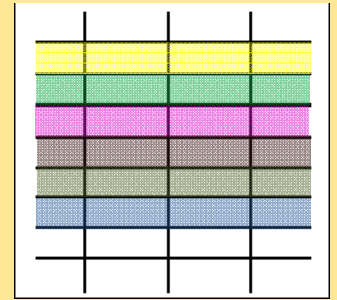


Data

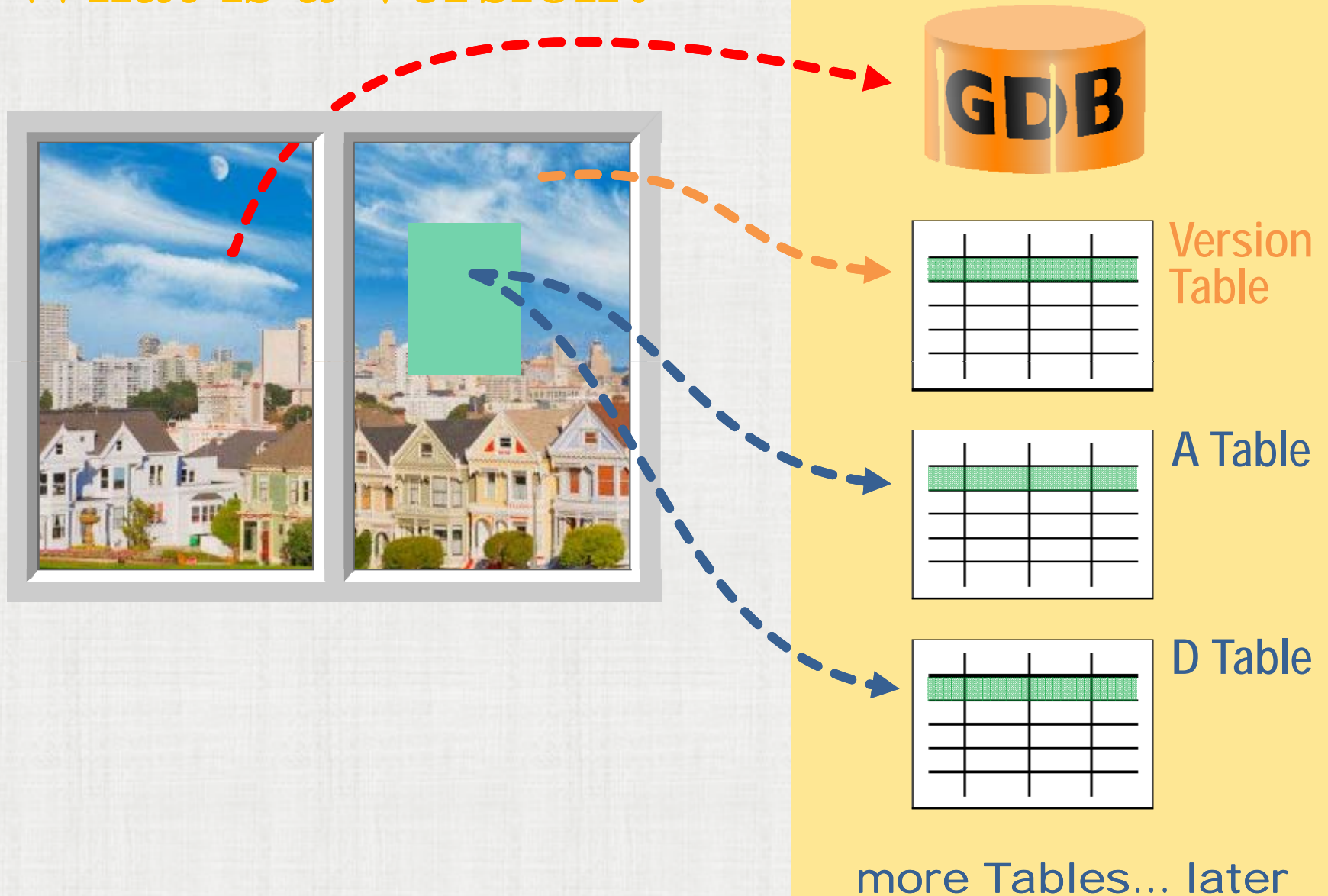
Version Table



Delta Tables



What is a Version?



Glossary

GDB

Version

A Table

D Table

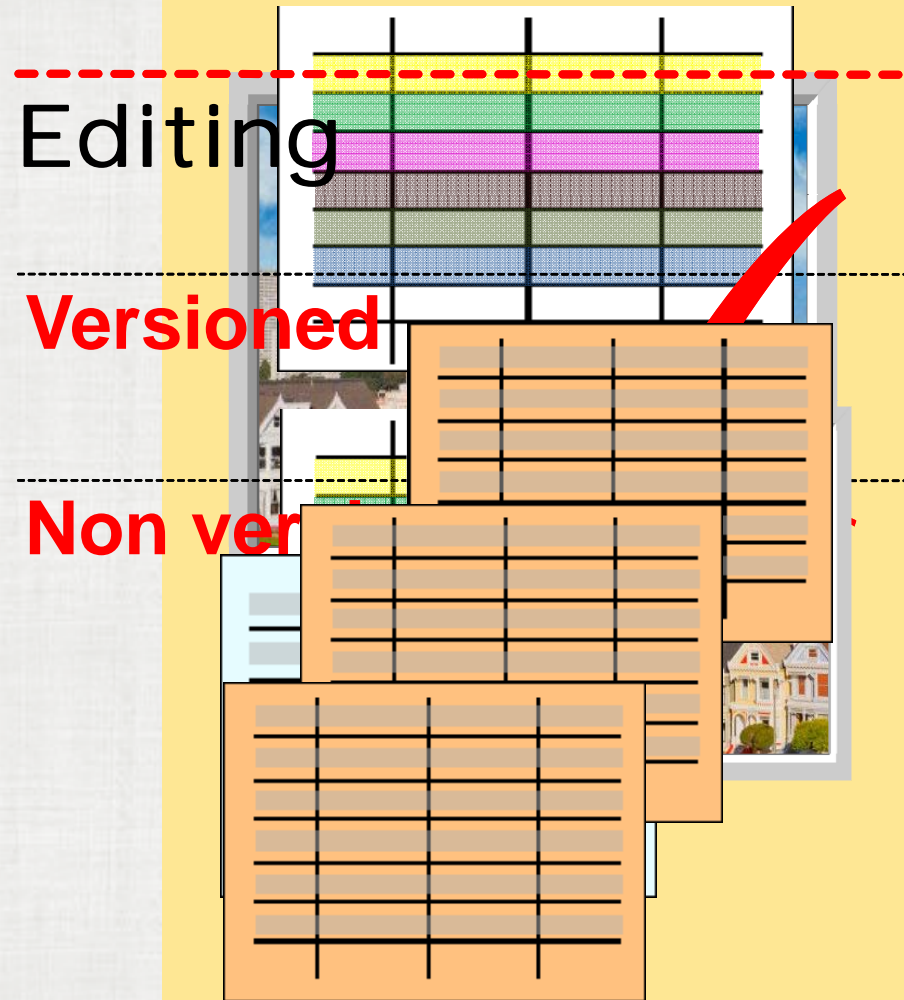
Delta Tables

Versioning

Data

Default Version

System Tables



Why do we care?



No sharing



Multiple
copies



What's
right?



Sharing



Non
Versioning

=



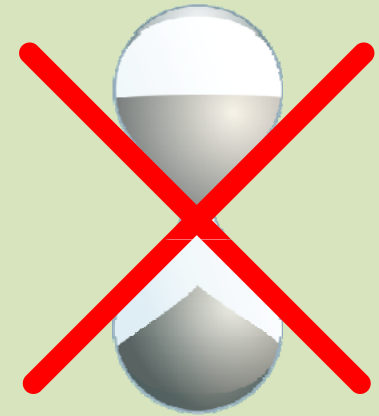


Sharing



Versioning

=



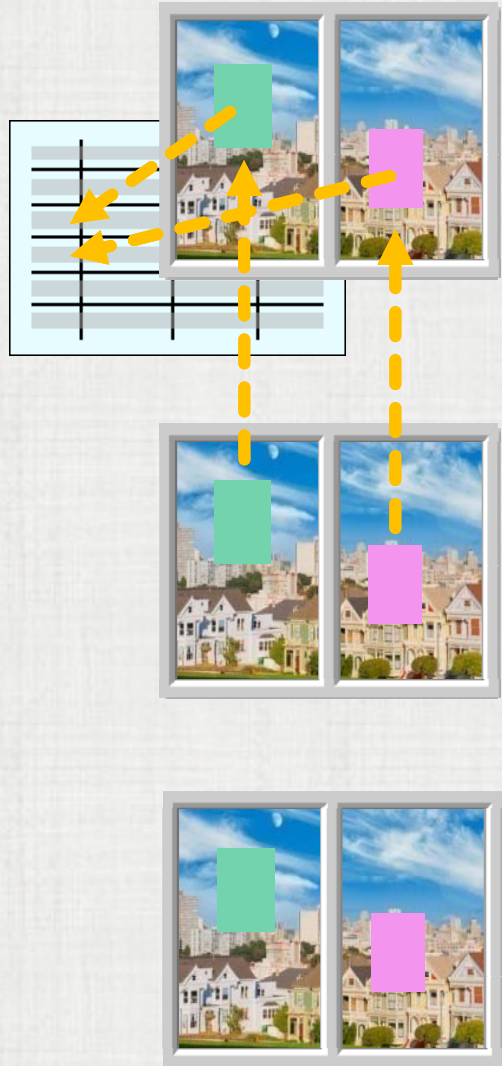
and Isolation

Removing isolation



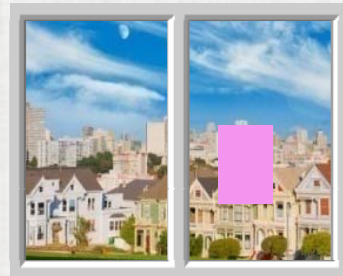
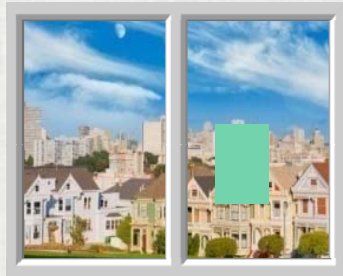
Merging

Removing isolation



Compressing

Removing isolation



Reconcile

Conflict

Who's right?

Conflict
Resolution

Post

Glossary

Versioned

Non versioned

Isolation

Merge

Compress

Reconcile

Conflict

Conflict Resolution

Post



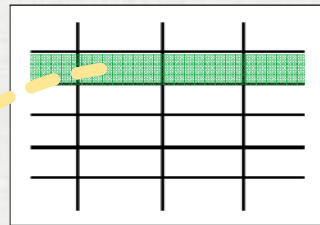
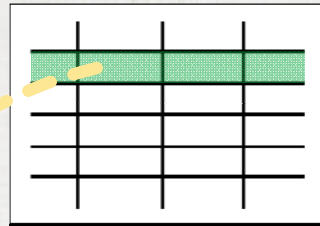
What else can we do?

Archiving

Transactional
Version



Delta Tables



Historical
Version

The diagram shows a historical version of a table with a calendar grid. The table has 4 rows and 3 columns. The calendar grid shows dates from 5 to 30. The date 22 is crossed out with a red X.

Su	Mo	Tu				
5	6	7				
12	13	14				
19	20	21	22	23	24	25
25	26	27	28	29	30	

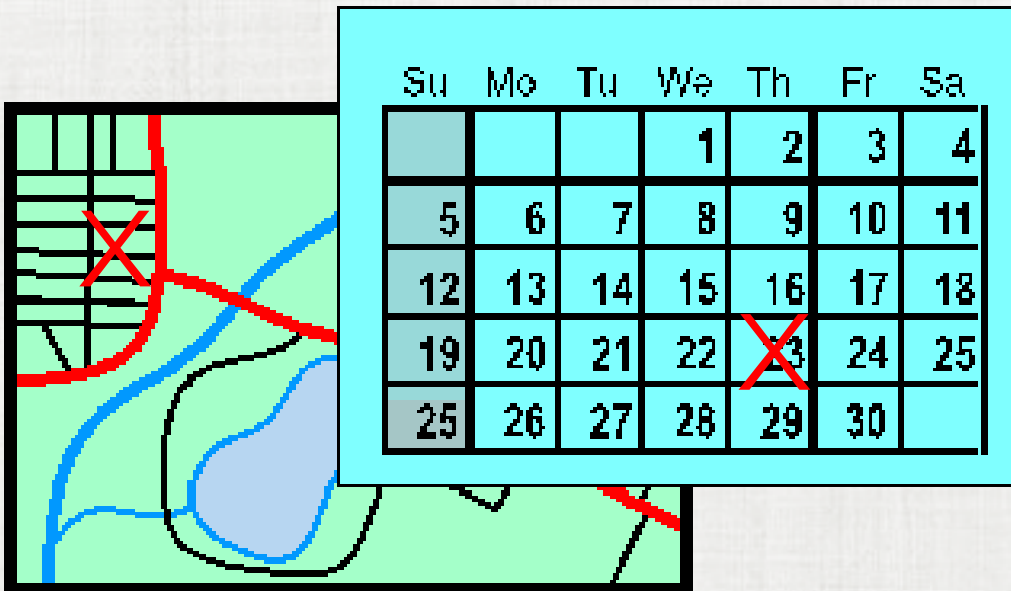
Versioning

Archiving

Save

Archiving

Historical
Version



Place
Feature

ArcMap
selection tools
and queries

Time

Calendar
Historical marker

Replication



Multiple
copies



Replication

Synchronization



Glossary

Transactional version

Archiving

Historical version

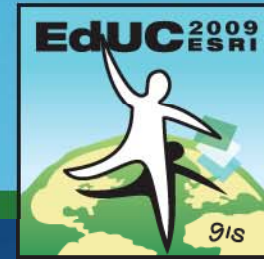
Replication

Synchronization



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