



# Using DDI Extensions as Intermediary for Data Storage and Data Display

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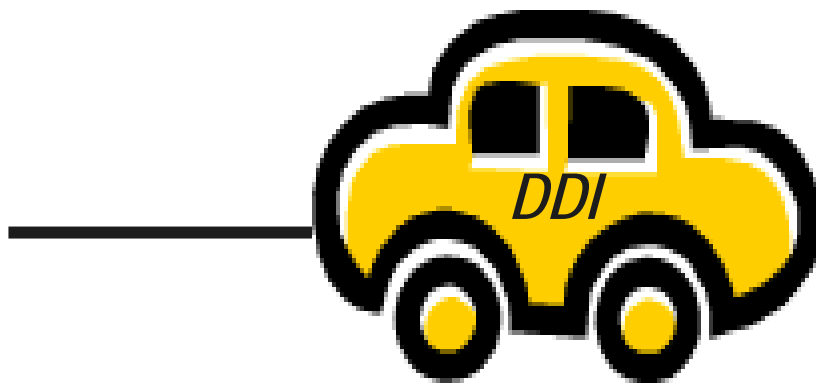


# Project Goals

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- One-stop shopping for statistical data about California from government agencies
- User-friendly reference site with server-side analysis
- Metadata-driven utilizing DDI standards

Metadata





# Project Challenges

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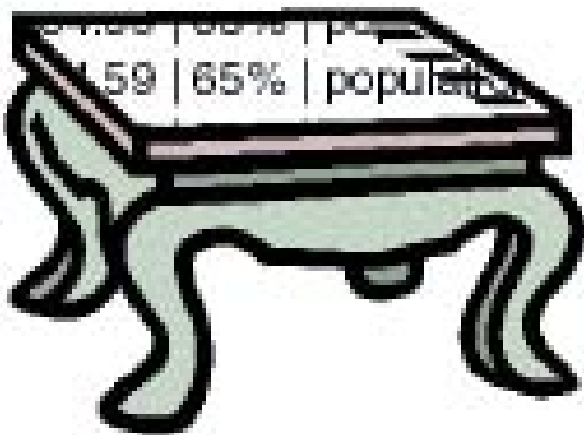
- Aggregate data from State and Federal Sources different beasts (or objects)
- Consistent user experience despite differences in data sources
- Maintain control over data service





# Predefined Dynamic Tables

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- Harmonized titles for data discovery
- Assign topics at logical level
- Consistent output
- Control queries on server



# Matrix XML (varMtx)

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- *Matrix Identifier*
- *Matrix Dimensions, size and layout*
- *Labels*
- *Instructions for building table*
- Structured metadata record for searching
- Powerful input into data delivery system
- Harmonized representations of disparate data
- Flexible output control



# Horizontal Data

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- Data Properties

- Pre-summarized Aggregate
- Variables with different values are separate variables

- Functional Requirements

- Select variables for table
- Roll-up headers



# Vertical Data

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## ■ Data Properties

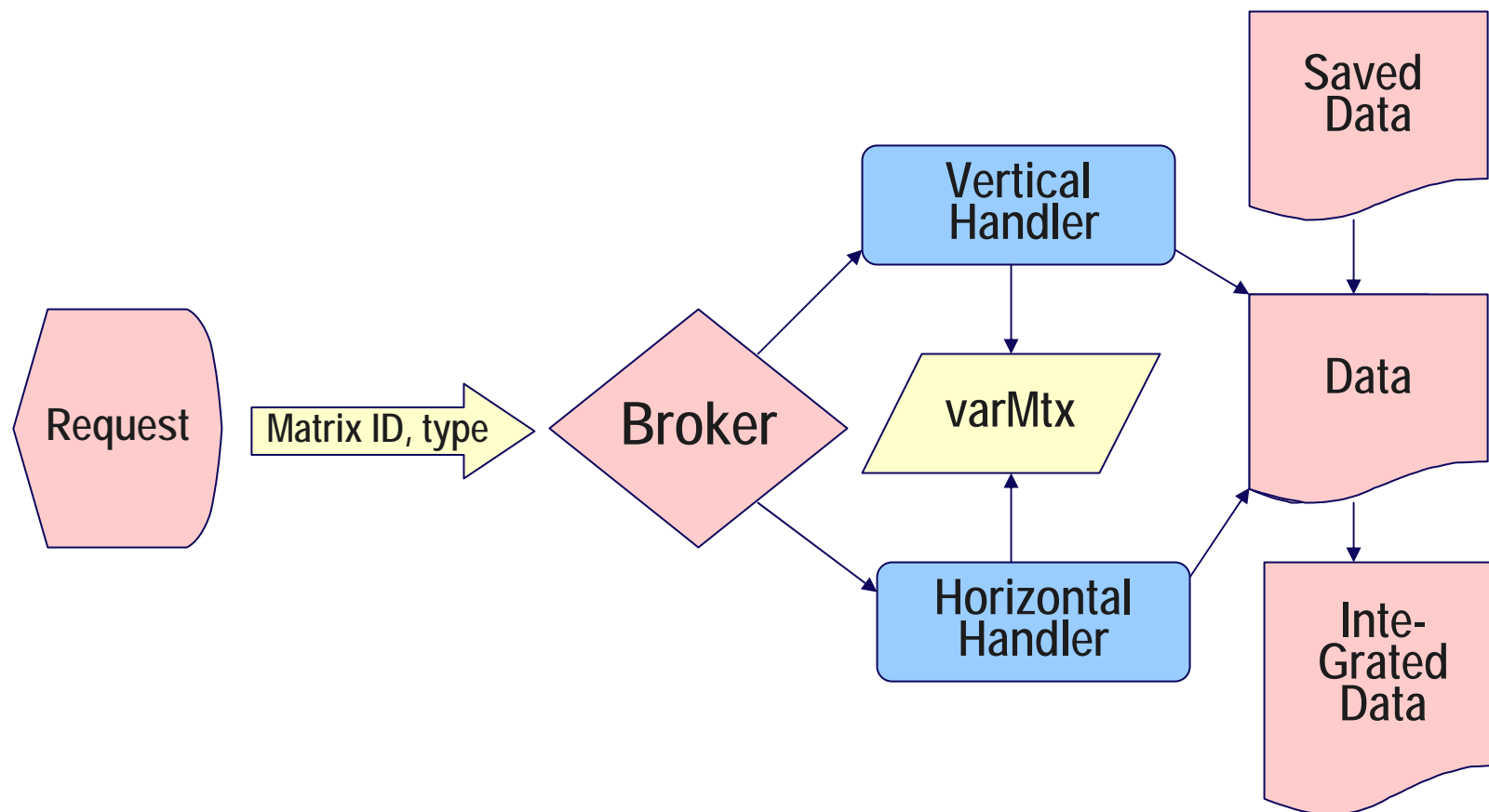
- May be pre-summarized
- Some variables have values
- Not cross-tabulated

## ■ Functional Requirements

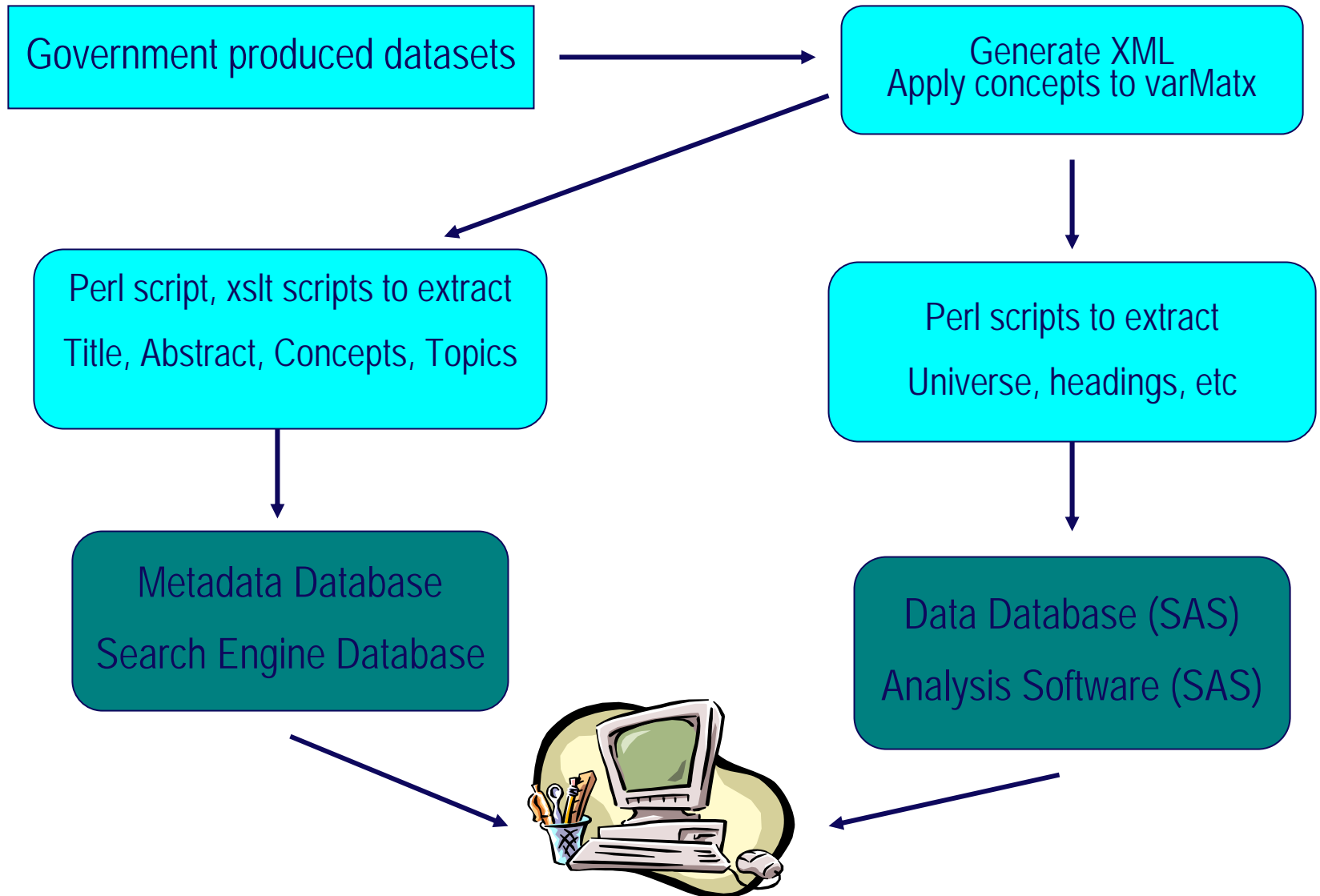
- Select variables for table
- Subset data
- Apply values to variables
- Run tabulations
- Roll-up headers



# varMtx as Middle Tier



# XML Tools for Data Discovery and Display





# Plans for the Future

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- Future developments of the DDI
- XML tools in state of development
  - Desire to standardize XML tools
  - Flexible XML tools to handle our changing needs
- What is the feasibility – can we share costs?
- Collaboration and communicate
  - Government agencies
  - With the community
  - With other institutions