Grace Gibson Hansen
Texas Conference on Digital Libraries
May 17, 2018
Austin, TX
BUILDINGS OF TEXAS

- 2 volume set by Gerald R. Moorhead
- Extensive research on the history of notable built works in Texas
- Moorhead’s collection resides at the Alexander Architectural Archives at the University of Texas
WHY IS SPATIAL BROWSING IMPORTANT?
“Enabling the spatial discovery of research publications and datasets... is the next step in the evolving role of the modern research library.”

(Lafia and Kuhn, 2016)
POTENTIAL FOR PUBLIC ENGAGEMENT

• Interactive and online
• Outreach and education initiatives
• Applications in community archives
• Faceted browsing
• Supports digital humanities initiatives
WORKFLOW OVERVIEW

1. Assess dataset and identify characteristics
2. Clean and subset data in Open Refine
3. Research Geocoding Services
4. Geocode data and complete metadata
5. Create web map and documentation
<table>
<thead>
<tr>
<th>Entry</th>
<th>Current Name</th>
<th>Historic/Original Name</th>
<th>Street Address</th>
<th>City</th>
<th>County</th>
<th>Zip</th>
<th>Date</th>
<th>Architect</th>
<th>Photo</th>
<th>Notes</th>
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<tbody>
<tr>
<td>AU1</td>
<td>Texas State Capitol</td>
<td></td>
<td>11th St. at Congress Ave.</td>
<td>Austin</td>
<td>Travis</td>
<td></td>
<td>1888</td>
<td>Elijah E. Myers</td>
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<td>1882-1888</td>
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<td>AU1m</td>
<td></td>
<td>Rotunda Lobby Floors</td>
<td></td>
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<td></td>
<td></td>
<td>1936</td>
<td>Jessen and Jessen</td>
<td>S</td>
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<td>AU1m</td>
<td></td>
<td>Capitol Restoration</td>
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<td></td>
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<td>Ford, Powell and Carson</td>
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<td></td>
<td>Expansion</td>
<td></td>
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<td>1993</td>
<td>3D/International</td>
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<td>1961</td>
<td>Adams and Adams</td>
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<td>AU3</td>
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<td>E. 11th St. at Brazos St.</td>
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<td>Travis</td>
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<td>1933</td>
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<td>AU4</td>
<td>Governor's mansion</td>
<td></td>
<td>11th St. at Colorado St.</td>
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<td>1856</td>
<td>Richard Payne, Abner Cook, bldr</td>
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<td>Restoration</td>
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Review, clean, and subset data
Explored Open Street Map and Google APIs through OpenRefine
  • Not user friendly and too restrictive
ESRI World Geocoding Service through ArcMap
  • User friendly, easy, highly accurate
  • Potential for expansion
• Accuracy checking recommendations
• ESRI ArcCatalog’s metadata editor
  • Supports multiple standards
  • Easy to use and provides prompts
• ISO 19115 and UT Digital Asset Management System
• Made set of recommendations for metadata and schema crosswalk
Web Mapping with ESRI StoryMaps
NEXT STEPS

• ISO 19115 to UT DAMS
• Webmap that supports discovery, faceted browsing, and filtering
• Explore options for improving geocoding in ArcMap
• Prepare to support additional kinds of datasets
• Integration of archival description
THANKS!

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