The Impact of Open Access and Open Repositories on Research in the Humanities

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Open Access

Permeates Center's Mission

Studs Terkel

Conversations with America

Studs Terkel's multifaceted life provided anequals rich and varied legacy of research material. Conversations with America is a collection of the interviews he conducted for his books and for his radio program. It showcases the remarkable depth of his personal knowledge of the diverse subjects explored in the interviews and his ability to get others to talk about themselves and what they do best.

Chicago History Museum

American Black Journal

Documenting Detroit & American History from African-American Perspectives

American Black Journal, originally titled Colored People's Time, went on the air in 1968 during a time of social and racial turmoil. The original mission was to increase the availability and accessibility of media relating to African-American experiences in order to encourage greater involvement from Detroit citizens in working to resolve community problems. The collection includes interviews, activities, and related events.

Show has continued on-air consistently to now, documenting over thirty years of Detroit History from African American perspectives. The collection includes interviews, activities, and related events, with produced features and artistic performances featuring African Americans, many of who are among the nation's most recognized and controversial figures, and presents the social and cultural history of African Americans in Detroit.
Open Access Challenges

- Project Based Funding
- Intellectual Property
- Access
Part 1: Complexities of Access
ABRAHAM LINCOLN

CHAPTER I

BOYHOOD OF LINCOLN

The subject of this memoir is revered by multitudes of his countrymen as the preserver of their commonwealth. This reverence has grown with the lapse of time and the accumulation of evidence. It is blended with a peculiar affection, seldom bestowed upon the memory of statesmen. It is shared to-day by many who remember with no less affection how their own fathers fought against him. He died with every circumstance of tragedy, yet it is not the accident of his death but the purpose of his life that is remembered.

Readers of history in another country cannot doubt that the praise so given is rightly given; yet any bare record of the American Civil War may leave them wondering why it has been so unquestioningly accorded. The position and task of the American President in that crisis cannot be understood from those of other historic rulers or historic leaders of a people; and it may seem...
In a similar vein, the National Association of Broadcasters sponsored a study which tried to prove that cross-media ownership produces better, not worse, media. In the George Luria interwoven survey, journalism...
High Performance Computing & Visual Computational Analysis
DIGGING INTO DATA
to Answer Authorship Related Questions

Digging into Data to Answer Authorship Related Questions seeks to explore authorship studies of visual arts through computational image analyses. Utilizing three datasets of visual works—15th-century manuscripts, 17th and 18th-century maps, and 19th and 21st-century quilts—to investigate what might be revealed about the authors and their artistic lineages by comparing manuscripts, maps, and quilts across four centuries, DID investigates the accuracy and computational scalability of adaptive image analyses when they are applied to diverse collections of image data.

Collaborating Sites
University of Sheffield, UK
University of Illinois at Urbana-Champaign, USA
Michigan State University, USA
Alliance of American Quilts, North Carolina, USA
DiD-ARQ

Project Overview
• Investigate the accuracy and computational scalability of adaptive image analyses applied to 3 collections of image data which are distinct but share a high factor of indeterminacy in terms of their predicated ‘authorship’

Main Project Objectives
• Design image analysis algorithms that will extract salient image features; group together images based on similarity of these features; classify groups according to a priori knowledge; optimise algorithmic steps and parameters
• Apply the algorithms jointly developed across our 3 image collections
• Report accuracy and computational requirements over the 3 collections
DiD-ARQ: Medieval Manuscripts

University of Sheffield, UK
Froissart’s Chronicles
Extracting a Digital Fingerprint using Polygonal Models and Shape Recognition
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1) Apply Sobel edge detection to source image – from the Image2Learn library
2) Fit line segments to edge map data using EM algorithm – designed to run on multiple cores
3) Apply shape recognition algorithms to polygonal models to identify similar letters, words, symbols and patterns

Turning Angle Function Comparison

Comparison is invariant to scale, rotation and starting reference point
Shape represented by a series of turning angles and lengths made between itself and previous segment
Find the minimum distance between shapes by comparing their turning angle functions with respect to vertical and horizontal shifts (starting reference point and rotation respectively)

Applying algorithms across the different collections
Applying algorithms across the different collections
Starting Points
75,000 Images
Starting Points

Good Testbed

Rich Documentation

129 Metadata Fields
Challenges

Images not standardized
Few color calibrated
Metadata varies in quality and vocabulary
Authorship
Corporate
Community Based
Individual
Handcrafted
Machine-crafted
Indigo Quilts
Indigo Quilts

Convert image to HSL representation and look at it one pixel at a time.

Repeat for entire picture, summing the differences for each pixel comparison.

Return the summed differences and associate with that quilt image.

Rank results based on values for quilts; smaller number means more like pure indigo.
Crazy Quilt

Segment the image into regions. The regions are not squares; below is for illustration only.

1 2 3
4 5 6
7 8 9

Compare regions and merge if similar.

1 vs 2

Compute signature for quilt using regions as metrics. Assign this signature to the quilt.

< 1, 3.4, -10, 15, 4… >

Feed signatures into Trained SVM Classifier.

SVM Classifier

Get Yes/No result from SVM.

YES

Berlin 9 Open Access Conference 2011
Amish Quilts
Amish Quilt
Nine Patch
c. 1850
Amish Quilt
Chained Nine Patch
1890
First Steps
Amish Quilt
Nine Patch Variation
c.1876-1900
Amish Quilt
Bear Paw
1910
Amish Quilts
Bear Paw
1910
Amish Quilt
Bear Paw
1900
Computational Analysis

- New User Interfaces
- Research Help (repetitive work)
- New Kinds of Studies
Interface Design

THE QUILT INDEX

Search Results
Your search produced 14 results displayed on 1 page.
Choose Display Method: Grid | List
Choose Sorting Method: Pattern (Z-A) | Date

Uploaded Quilt

You have selected 0 quilt(s) to compare

[Select All] | [Clear All]
Interface Design

SAVING STORIES
the Louie B. Nunn Center for Oral History
University of Kentucky Libraries

A Blog About Kentucky Oral History, the Nunn Center, and Digital Technologies

January 30, 2011

OHMS: Enhancing Oral History Online

The Louie B. Nunn Center for Oral History at the University of Kentucky Libraries and the UK Libraries Division of Library Technologies have created a web-based, system called OHMS (Oral History Metadata Synchronizer) to inexpensively and efficiently enhance access to and discovery of oral history online. The OHMS system provides users word-level search capability and a time-correlated transcript or index connecting the textual search term to the corresponding moment in the recorded interview online.

You can test out the OHMS oral history viewer on the Kentuckiana Digital Library

FEATURED PROJECT

FROM COMBAT to KENTUCKY

Berlin 9 Open Access Conference 2011
Interview with Francis A. Roberts III, October 27, 2004

1:42:07
Community Colleges of Kentucky Oral History Project: Lexington Community College
Louie B. Nunn Center for Oral History
University of Kentucky

ADAMS: Test. Test. This is an oral history interview with, uh, Francis Arthur Roberts III for the Lexington Community College Fortieth Anniversary Oral History Project. The interview is being conducted by John Adams on October the twenty-seventh 2004 and we are currently located in the Oswald Building. The first question, just for the record, uh, I would like to know if you could to state your full name please.

ROBERTS: Sure. Um, I'm Francis Arthur Roberts III and for the III, uh, I have a nickname: it's Tri and I go by Tri as--as a name--

ADAMS: --okay. So throughout the interview you would prefer that I would call you Tri, that's how most people know you?--

ROBERTS: --yes. Yes.

ADAMS: Okay. Um, just for a little history background, uh, when and where were you born?

ROBERTS: Okay, um, I was born January 17 1950 in Lexington, Kentucky. So I'm a hometown in Lexington.

ADAMS: Okay, all the way through?

ROBERTS: Uh, all the way through?

ADAMS: Elementary and--yeah all the way through--
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