

# Stanford

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## Claudia Engel

Academic Technology Specialist, Center for Interdisciplinary Digital Research

### Bio

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#### BIO

Claudia Engel collaborates with students and faculty on digital research projects in the Anthropology Department, where she also teaches. She is a member of the Center of Interdisciplinary Digital Scholarship (CIDR) at the Stanford Libraries and trains Humanities and Social Science researchers in the use of the increasing number of the Libraries' digital data repositories. Claudia currently serves on the SUL AI Steering Committee and co-directs the ai4lam working group on teaching and learning AI.

Claudia holds a PhD in Anthropology and an MS in Biology. She has decades of experience in data science and digital research and has authored and co-authored numerous publications.

#### CURRENT ROLE AT STANFORD

Academic Technology Specialist and Lecturer in Anthropology

#### PROJECTS

- 3D Models in Anthropological Research and Teaching
- Çatalhöyük Living Archive
- Cigarette Citadels

#### SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Carpentries Instructor

#### LINKS

- [github.com/cengel](https://github.com/cengel): <https://github.com/cengel>
- [orcid.org/0000-0002-5234-3924](https://orcid.org/0000-0002-5234-3924): <https://orcid.org/0000-0002-5234-3924>
- [r.stanford.edu](http://r.stanford.edu): <http://r.stanford.edu>

### Teaching

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#### COURSES

##### 2021-22

- Digital Methods in Anthropology: ANTHRO 298C, ANTHRO 98C (Spr)

##### 2020-21

- Digital Methods in Anthropology: ANTHRO 298C, ANTHRO 98C (Aut)

#### 2019-20

- Smoke and Mirrors in Global Health: ANTHRO 182N (Win)
- Spatial Approaches to Social Science: ANTHRO 130D, ANTHRO 230D, POLISCI 241S, URBANST 124 (Win)

## Professional

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### PROFESSIONAL INTERESTS

The application of advanced and innovative technological approaches in social science research, including GIS, spatial and textual analysis, data mining, and machine learning .

### SKILLS AND EXPERTISE

#### Information Technology

- Academic Technology
- Artificial Intelligence (AI)
- Data Management
- Emerging Technologies
- Geographic Information System (GIS)
- Online Learning
- Research Computing
- Research Data
- Teaching Tools

### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- AI Steering Committee Member, Stanford Libraries (2020 - present)
- Council Member, ai4lam (2021 - present)
- Teaching and Learning Working Group Co-chair, ai4lam (2020 - present)

## Publications

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### PUBLICATIONS

- **Intra-Site GIS at Çatalhöyük (2009–2017): from an Integrative and Reflexive Tool to the Living Archive** *Spatial Webs - Mapping and Annotating the Past Mapping Anatolian Pasts for Research and the Public*  
Mazzucato, C., Engel, C., Lukas, D.  
edited by Roosevelt, C.  
Istanbul: Koç University Press.2021: 57–75
- **Multi-isotope evidence of diet (carbon and nitrogen) and mobility (strontium) at Neolithic Çatalhöyük** *Peopling the Landscape of Çatalhöyük - Reports from the 2009–2017 seasons*  
Pearson, J., Lamb, A., Evans, J., Engel, C., Russel, N., Sömel, M., Van Neer, W., Wouters, W.  
edited by Hodder, I.  
British Institute at Ankara.2021: 217-244
- **Subjectivity and discoverability: an exploration with images** *The Rise of AI: Implications and Applications of Artificial Intelligence in Academic Libraries*  
Coleman, N., Engel, C., Thorson, H., Verwaerde, Q.  
edited by Hervieux, S., Wheatley, A.  
2021

- **"AI is not Just a Technology" - Towards an Integrated Teaching Approach to Machine Learning** *Proceedings from ECML-PKDD 2020, Teaching Machine Learning Workshop*  
Coleman, N., Engel, C.  
2020
- **Computer vision and image recognition in archaeology** *Proceedings of the Conference on Artificial Intelligence for Data Discovery and Reuse*  
Engel, C., Magniafico, P., Isasavi, J., Luikas, D.  
2019
- **R for Geospatial Analysis and Mapping** *The Geographic Information Science & Technology Body of Knowledge*  
Engel, C.  
2019
- **Towards a Living Archive - making multi layered research data and knowledge generation transparent** *Journal of Field Archaeology*  
Lukas, D., Engel, C., Mazzucato, C.  
2018; 43:sup1: S19-S30
- **Representing the Archaeological Process at Çatalhöyük in a Living Archive** *Assembling Çatalhöyük*  
Engel, C., Grossner, K.  
Maney Publishing.2015

## PRESENTATIONS

- Image Recognition for Archaeological Research - Stanford Libraries AI Studio (January 23, 2019)
- From Digitization to Delivery: 3D Cultural Heritage in the Archaeology Classroom - DigitalHERITAGE 2018 (10/26/2018 - 10/30/2018)
- Digital media in support of teaching and outreach in zooarchaeology: 3-D imaging in the classroom - 13th ICAZ International Conference (9/2/2018 - 9/7/2018)
- Changing Technologies, Changing Practices: The Transformation of the Çatalhöyük Research Database - Society for American Archaeology 82nd Annual Meeting (3/20/2017 - 3/24/2017)
- From the Laptop to the Archive: Managing Research Data in the Humanities. - Digital Library Federation Forum 2015 (October 26, 2015 - October 28, 2015)
- 3D Technology in Teaching and Doing Archaeology - 2015 ATXpo, Stanford University (October 12, 2015)
- Beyond the Hype: Long Term Strategies for iPad Programs in Higher Education - EDUCAUSE Annual Conference (9/29/2014 - 10/2/2014)
- The Archaeological process at Çatalhöyük - Creating a Living Archive - 20th Annual Meeting of European Archeological Association (9/10/2014 - 9/14/2014)
- Data Management at Çatalhöyük: From Database to Living Archive - Thinking Archaeological Science (TAS) (May 16, 2014 - May 17, 2014)
- Towards a Spatial Ethnography - AAG Annual Meeting April 2013