

Data Management Plan

Expected Software: Our work will result in the creation of novel machine learning algorithms for visual stylometry and analysis of artwork. We will also create workflow fragments for the WINGS semantic workflow framework. All software resulting from the project will be released with an open source license on Fitchburg State University (FSU) servers and simultaneously released on GitHub.

Expected Data: Our work will also result in the data collection of artworks from various partners. We will publicly make available a selection of the collection which transfer rights to FSU. The rights and permissions of each of these collections will be clearly advertised for potential researchers, along with contact information to gain rights for those that do not have a sharing agreement with FSU. We view these as extremely valuable datasets for the digital humanities research community which could contribute to further research work in this area. Sample datasets, along with the corresponding processing packaged as WINGS exportable linked data workflow fragments in Open Provenance Model (OPM) format, will also be released on FigShare along with their own unique Digital Object Identifiers (DOI). Where necessary, we will ensure all data is appropriately anonymized and we have CITI training from FSU.

Data Formats and Dissemination: Our project will result in digital image (PNG or GIF), video (MP4), and linked-data web objects (OPM). All participants in this proposal will conduct research and publish the results of their work. Papers will be published in peer-reviewed scientific journals, conferences, or Annual Meetings. Beyond the data posted on the FSU website, primary data, samples, physical collections and other supporting materials created or gathered in the course of work that are releasable to the public domain will be shared with other researchers upon reasonable request within a reasonable time.

Period of Data Retention: Datasets, samples, and other research products will be made available immediately after publication. Final peer-reviewed journal manuscripts, and supplemental information such as data tables for graphical information in manuscript figures and for statistically processed averages, which arise from NEH funds, will be posted in the FSU Digital Repository and will be available on this publically available website no later than 12 months after publication. Authors will ensure their publishing agreement allows the paper to be posted to the archive; alternatively the FSU website will provide a reference to the journal articles coupled with the supplemental information. These records will be durable, accessible through web protocols, and made safe from tampering or falsification. The storage media will be updated as necessary to keep it current.

Data Storage and Preservation of Access: We plan to share all our data on FSU websites. This public access will be regulated by the university in order to protect privacy and confidentiality concerns, as well to respect any proprietary or intellectual property rights. Administrators will consult with the university's legal office to address any concerns on a case-by-case basis, if necessary. Terms of use will include requirements of attribution along with disclaimers of liability in connection with any use or distribution of the research data, which may be conditioned under some circumstances.