The Summer School in Digital Humanities
Oxford, 3-7 July 2017

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## 2017 Workshop strands

<table>
<thead>
<tr>
<th>Strand</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>An Introduction to Digital Humanities</strong></td>
<td>Broaden your understanding of the range of work the Digital Humanities encompasses and learn about the tools and techniques available for scholarly purposes.</td>
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<tr>
<td><strong>From Text to Tech</strong></td>
<td>Learn to work computationally and quantitatively with texts using a hands-on approach, including cleaning and adding automatic linguistic annotation using freely available computational tools and the Python programming language.</td>
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<tr>
<td><strong>An Introduction to the Guidelines of the Text Encoding Initiative</strong></td>
<td>Lectures and hands-on practical sessions to introduce and survey the recommendations of the Text Encoding Initiative (TEI) for the creation of digital text.</td>
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<tr>
<td><strong>Humanities data: A Hands-On Approach</strong></td>
<td>Introducing tools, methods, and concepts for managing, organizing, cleaning, and processing data in digital humanities projects. Covers topics including information organization, data modelling, data quality and cleaning, and workflows.</td>
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<tr>
<td><strong>Data Science for the Humanities</strong></td>
<td>Learn to apply machine learning and neural network techniques to humanities data. During the workshop, you will learn and practice the concepts needed to import, prepare, and train your models using the Wolfram Language and to share your methods and results with others.</td>
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<tr>
<td><strong>Linked Data for Digital Humanities</strong></td>
<td>Introducing the concepts and technologies behind Linked Data and the Semantic Web. Learn to publish research so that it is available in these forms for reuse by other humanities scholars, and how to access and manipulate Linked Data resources provided by others.</td>
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<tr>
<td><strong>Digital Musicology</strong></td>
<td>An introduction to computational and informatics methods that can be, and have been, successfully applied to musicology. Technological solutions to identify, study and disseminate scholarly insights from amongst a data deluge.</td>
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<tr>
<td><strong>Social Humanities: Citizens at Scale in the Digital World</strong></td>
<td>Citizen science has helped deliver projects across many disciplines while social media and digital editing come together in the social editions like Wikipedia. Learn to design and study these systems for your own research.</td>
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Linnaeus University
What is Digital Humanities?
1) Ralph Schroeder & Laird Barrett:

How digital research, computational techniques and big data contribute to knowledge
2) Programming in Python

```python
"""
    Script to search for an author in EEBO index
"""
import pandas as pd
from ggplot import *
g = pd.read_csv("data/TCP.csv")
author = g.loc[g["Author"].str.contains("Luther", na=False)]
freq = author["Date"].value_counts()
n = pd.DataFrame({'Publication':freq.index, 'Freq': freq.values})
plt = ggplot(aes(x="Publication", y = "Freq"), data = n) + geom_point() 
    + ggtitle("Works attributed to Luther") + xlab("Publication Date") 
    + ylab("Number of Publications")
plt.save("Luther.png")
```
3) David Zeitlyn:

*Paths and Possible Paths through Image Collections and Archives*
4) Martin Poulter:

*Wikimedia: Wikipedia's sister projects as platforms for Digital Humanities*
https://query.wikidata.org/
5) Nicholas Cole and Pip Willcox:

Teaching Humanities and the Digital

http://emlo.bodleian.ox.ac.uk/
Thank you