



Digital Tools for the Analysis of Literary Texts: topic modelling, text reuse, stylometry

23-26 October 2017
University of Verona

Polo Zanotto, room S1
[pc pool, basement, entrance from both Chiostro San Francesco and Polo Zanotto]

<https://goo.gl/maps/rdTgeijqQJN2>

INSTRUCTIONS

!!!Please, bring your own laptop and make sure you have installed all you need for the sessions!!!

1. Ulrike Henny | TOPIC MODELLING

→ Installation of Python, Java and MALLET:

Python:

Please install the Anaconda distribution, Python version 3.6

<https://www.anaconda.com/download/>

(we will install the “wordcloud” module, which is not in Anaconda, together at the workshop)

MALLET:

- **Java** is needed for MALLET to run (please install **Java 8** which should work also for the Text Reuse and Stylometry sessions);
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>
- Mallet itself: <http://mallet.cs.umass.edu/download.php>
 - “current release” (not the development release)
 - a good tutorial helping with the installation:
<https://programminghistorian.org/lessons/topic-modeling-and-mallet#installing-mallet>
 - also helpful: <http://www.etrapp.eu/tutorials/2017-verona/> (the part: 4. Install the latest version of Java)

2. Greta Franzini | TEXT REUSE

Follow the instructions at <http://www.etrapp.eu/tutorials/2017-verona/>

3. Simone Rebora | STYLOMETRY

→ Install **R** and **RStudio** (first R then RStudio). Links (Windows):

<https://cloud.r-project.org/bin/windows/base/R-3.4.1-win.exe>

<https://download1.rstudio.org/RStudio-1.0.153.exe>

For different OS, see:

<https://cloud.r-project.org/>

<https://www.rstudio.com/products/rstudio/download/#download>

→ Then, inside RStudio, install **Stylo**:

open RStudio and type:

```
install.packages("stylo")
```

[remember that (1) you have to be connected to the internet for completing this procedure and (2) R may ask you what mirror to use for the download: choose the closest one, or whichever you like]

to check if everything is fine, type:

```
library(stylo)
```

→ All corpora for experimentation will be available here, on October 22nd:

<https://www.dropbox.com/sh/9hr9jb1g5jj9b4e/AAAEqvr5VsesiDeWTR4joCIJa?dl=0>