**Lesson Plan**

**Module 1:** Introduction to the course and Command Line practice

**Objectives:**

* Present key terms in artificial intelligence and computational linguistics
* Introduce students to basic text processing tasks in the command line

**Students’ Outcomes:** at the end of this module students will be able to:

* Understand the basic definitions and differences between artificial intelligence, machine learning, computational linguistics, and Natural Language Processing or NLP.
* Manage files and directories in the command line
* Count words, lines, and characters from texts in the command line
* Obtain word frequencies and filter word concordances using useful text processing commands

**Instructional Delivery:** Explain the key concepts and terms from the first slides of the week’s PPT. Then, make sure students have access to the Mac Terminal or the Ubuntu distribution in Windows. If there are problems with the installation on Windows, then use the following online emulator: <https://vfsync.org/vm.html>. Present first each command and model its usage in your computer. Do this for every task in the command line. Then, have students to be in collaborative teams of 2. Check students’ progress and solve any technical issues.

Finish the class by making students aware of what they have learned so far. Use slide 26. Finally, explain each step of the first assignment, Lab 1 (Slide 28).

**Assessment:**

* Lab 1 Assignment: <https://github.com/falconrr/NLP4SPanish/blob/main/Week%201/Assignment1/Tarea1.md>
* Negotiate a due date depending on the progress of the class and mastery with the command line exercises.