**Lesson Plan**

**Module 4:** Twitter API

**Objectives:**

* Obtain the access codes for a Twitter developer account
* Scrape Twitter data for the class project
* Annotate the training data

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

* Extract data from Twitter to study a linguistic phenomenon from a Hispanic country or region
* Learn how to annotate data for training a machine learning classifier
* Understand the scope of machine learning for their projects

**Instructional Delivery:** Show students the Jupyter notebook of the week. Make sure that everyone had access to a Twitter developer account. Us the notebook to model the extraction of the data from Twitter. Don’t forget to include the different parameters for localizing geographically the data.

During the next class, show students the different annotation schemas for machine learning, including binary and multilabel classification. Make sure they understand the process to annotate the data in excel.

**Assessment:**

* No assessment. Students will work towards obtaining the Twitter data and annotating data to train their own machine learning classifier