**Installation Manual for SpanishNPVK version 0.1 Module**

The SpanishNPVK module version 0.1 is a python module that was trained with spacy==3.5.0 library.

The module is used to determine the presence of POS (Noun, Proper Noun, Verbs, and Keywords)

and extract them in three (3) different methods. The SpanishNPVK model has been hosted on the Hugging Face platform, and in order to use the model in python, you will have to:

**install the requirements.txt file located in the folder**:

* Open your command prompt and navigate to where the requirement.txt file is located.

Example: cd C:\Users\liemu\Downloads\fiver\spanish\Spanish NPVK

* Call on pip install to install the requirements file:

pip install -r requirements.txt

* Next you install the hosted model from the Hugging Face platform by using this code:

**pip install**[**https://huggingface.co/Ahmed-ibn-Harun/es\_pipeline/resolve/main/es\_pipeline-any-py3-none-any.whl**](https://huggingface.co/Ahmed-ibn-Harun/es_pipeline/resolve/main/es_pipeline-any-py3-none-any.whl)

* **Finally you install the spanishnpvk module by using this code:**

**python setup.py install**

Now you are ready to use the **spanishnpvk** module.

To use the **spanishnpvk** module:

* Type in **python** in your command prompt
  + **from spanishnpvk import SpanishNPVK**
  + **import re**
  + **text = “**Buscamos un Desarrollador de Software Senior para unirse a nuestro equipo de tecnología en la empresa XYZ. El candidato ideal tendrá una sólida experiencia en el desarrollo de aplicaciones web y móviles**”**
  + **cleaned\_text =** re.sub(r'\.', '', text)

**Note**: the cleaned\_text removes all periods “.” that might be included in the input text before passing it to the model for tagging

**Next Step**:

* instantiate the SpanishNPK class object:

**s = SpanishNPVK**

* **Call on any of the module methods of your choice:**

There are 3 methods:

1. s.extract\_keywords(cleaned\_text) : this returns a tuple of lists object corresponding to (‘NOUN’, ‘PROPN’, ‘VERB’, ‘KEYW’) values in the text
2. s.tag\_text(cleaned\_text) : this returns a dictionary object with (‘TEXT’, ‘NOUN’, ‘PROPN’, ‘VERB’, ‘KEYW’) keys with their corresponding list of values
3. s.display\_tags(cleaned\_text, jupyter = True) : this return a html object figure visible in python notebooks by setting the jupyter argument as True

