

Hacer música con inteligencia artificial

Fuente <https://github.com/openai/jukebox>

Primero instalar conda

```
apt-get update
apt-get install -y python wget git python3-soundfile
adduser jukebox
su - jukebox
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh

sed -i 's/^\#!\|/bin\|sh\|/bin\|bash/g' Miniconda3-latest-Linux-
x86_64.sh

chmod +x Miniconda3-latest-Linux-x86_64.sh
./Miniconda3-latest-Linux-x86_64.sh
```

Si queremos desactivar conda en el prompt de bash:

```
conda config --set auto_activate_base false
```

Ahora instalamos jukebox según <https://github.com/openai/jukebox>

```
conda create --name jukebox python=3.7.5
conda activate jukebox
conda install mpi4py=3.0.3 # if this fails, try: pip install mpi4py==3.0.3
conda install pytorch=1.4 torchvision=0.5 cudatoolkit=10.0 -c pytorch
git clone https://github.com/openai/jukebox.git
cd jukebox
pip install -r requirements.txt
pip install -e .
```

Lanzamos el comando:

```
python jukebox/sample.py --model=5b_lyrics --name=sample_5b_prompted --
levels=3 --mode=primed --audio_file=carnaza2.wav --
prompt_length_in_seconds=12 --sample_length_in_seconds=20 --
total_sample_length_in_seconds=180 --sr=44100 --n_samples=6 --
hop_fraction=0.5,0.5,0.125
```

Si no tiene nvidia configurada da este error:

```
Found no NVIDIA driver on your system. Please check that you
have an NVIDIA GPU and installed a driver from
http://www.nvidia.com/Download/index.aspx
```

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