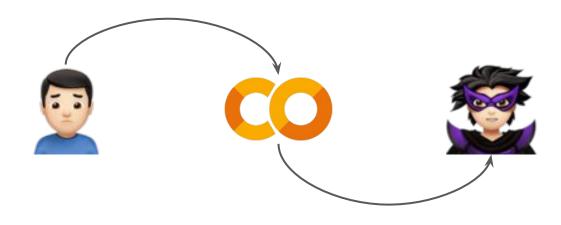


Introduction to using cloud services for ML & DL projects



- Introduction
- Advantages & Disadvantages
- Tips & Tricks
- Solve a project





Turn on GPU







CPU

GPU

TPU

https://codelabs.developers.google.com/codelabs/keras-flowers-tpu/

Google Colab Limitations (Free Account)

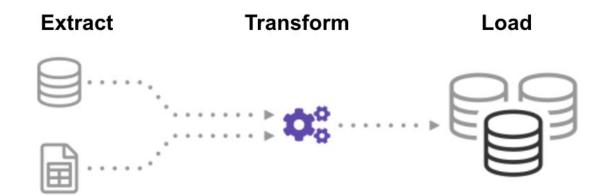
- Only 15 gigabytes of storage space in google drive
- 12 hour usage limit for GPU
- Only ~13 gigabytes RAM
- Only 1 GPU











ETL Extract, Transform, Load



Numpy Arrays



Keras ImageDataGenerator



tf.data





Strategies

- More than one Gmail account
- Shared Google Drive folder (60 GB for 4 account)
- ModelCheckPoint Callback (Save all results!)
- Code by CPU, Run by GPU!
- North America!















Deepnote









github.com/mehrdad-dev/gpu-csaiaum-webinar

