

HF Hub

central platform to discover, use & contribute new SOTA
10,000+ models
not only NLP models
Hosted as Git repository
Versioning & reproducibility

Using PT models:-

Selecting appropriate model simple
using in any downstream library in few lines of code.

Sharing models

Saving time, resources
providing access to useful artifacts

3 ways to creating repositories

- using push-to-hub API → Simplest
- u huggingface-hub python library
- u web interface.

4.9 Building a model card:-

important file

ensuring reusability

documenting training & evaluation process

README.md creates model card

concept by Google.

Mitchell et al.

2018

↑ transparency and accountability

document important concepts

- minimum label for AI

document important concepts
= nutrition label for AI

Model Card starts with brief overview of model & additionally:-

Model description

archi.

version

original implementation

Intended uses & limitations:-

lang.

fields

domains

scope

How to use:-

pipeline() fn

usage of model & tokenizer classes

Training data

Describe all relevant aspects such that reproducible.

pre/post processing

no. of epoch

batch size

learning rate.

Variable & metrics

Describe metrics

Measuring factors

Evaluation results:-

Model acc x a req.

explicit doc helps the future users

Model Card Metadata:-

filtering by category

filtering by category

tasks

lang.

libraries