

# ETHICS, DOCUMENTATION, AND LEARNING

← → ↻ <https://huggingface.co/spaces/society-ethics/about> ☆ ⌵ ⌵ ⌵ ⌵

Spaces society-ethics about 🏠 like 88 🔄 Running App Files Community 👤

## Ethics & Society at Hugging Face

At Hugging Face, we are committed to operationalizing ethics at the cutting-edge of machine learning. This page is dedicated to highlighting projects – inside and outside Hugging Face – in order to encourage and support more ethical development and use of AI. We wish to foster ongoing conversations of ethics and values; this means that this page will evolve over time, and your feedback is invaluable. Please open up an issue in the [Community tab](#) to share your thoughts!

Events

Visit us over on the Hugging Face Discord!

### What does ethical AI look like?

We analyzed the submissions on Hugging Face Spaces and put together a set of 6 high-level categories for describing ethical aspects of machine learning work. Visit each tab to learn more about each category and to see what Hugging Face and its community have been up to! Is there a Space that you'd like to see featured? [Submit it here](#) 📧

**Rigorous** Consentful Socially Conscious Sustainable Inclusive Inquisitive

Among the many concerns that go into creating new models is a seemingly simple question: "Does it work?"

Rigorous projects pay special attention to examining failure cases, protecting privacy through security measures, and ensuring that potential users (technical and non-technical) are informed of the project's limitations.

Examples:

- Projects built with models that are well-documented with Model Cards.
- Tools that provide transparency into how a model was trained and how it behaves.
- Evaluations against cutting-edge benchmarks, with results reported against disaggregated sets.
- Demonstrations of models failing across gender, skin type, ethnicity, age or other attributes.

### Hugging Face News

Ethics and Society Newsletter #4: Bias in Text-to-Image Models [Read more](#)

Hugging Face's Open LLM Leaderboard [Read more](#)

Ethics and Society Newsletter #3: Ethical Openness at Hugging Face [Read more](#)

MIT: These new tools let you see for yourself how biased AI image models are [Read more](#)

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## Our Open Source

We are building the foundation of ML tooling with the community.

• **Transformers**  
🔗 114,779

State-of-the-art ML for Pytorch, TensorFlow, and JAX.

• **Diffusers**  
🔗 18,814

State-of-the-art diffusion models for image and audio generation in PyTorch.

• **Safetensors**  
🔗 1,705

Simple, safe way to store and distribute neural networks weights safely and quickly.

• **Hub Python Library**  
🔗 1,302

Client library for the HF Hub: manage repositories from your Python runtime.

• **Tokenizers**  
🔗 7,758

Fast tokenizers, optimized for both research and production.

• **PEFT**  
🔗 10,727

Parameter efficient finetuning methods for large models

• **Transformers.js**  
🔗 4,334

Community library to run pretrained models from Transformers in your browser.

• **timm**  
🔗 27,490

State-of-the-art computer vision models, layers, optimizers, training/evaluation, and utilities.

← → ↻ https://huggingface.co/docs

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### Documentations

Search across all docs

- Hub**  
Host Git-based models, datasets and Spaces on the Hugging Face Hub.
- Transformers**  
State-of-the-art ML for PyTorch, TensorFlow, and JAX.
- Diffusers**  
State-of-the-art diffusion models for image and audio generation in PyTorch.
- Datasets**  
Access and share datasets for computer vision, audio, and NLP tasks.
- Gradio**  
Build machine learning demos and other web apps, in just a few lines of Python.
- Hub Python Library**  
Client library for the HF Hub: manage repositories from your Python runtime.
- Huggingface.js**  
A collection of JS libraries to interact with Hugging Face, with TS types included.
- Transformers.js**  
Community library to run pretrained models from Transformers in your browser.
- Inference API**  
Experiment with over 200k models easily using our free Inference API.
- Inference Endpoints**  
Easily deploy models to production on dedicated, fully managed infrastructure.
- PEFT**  
Parameter efficient finetuning methods for large models.
- Accelerate**  
Easily train and use PyTorch models with multi-GPU, TPU, mixed-precision.
- Optimum**  
Fast training and inference of HF Transformers with easy to use hardware optimization tools.
- AWS Trainium & Inferentia**  
Train and Deploy Transformers & Diffusers with AWS Trainium and AWS Inferentia.

← → ↻ https://huggingface.co/learn

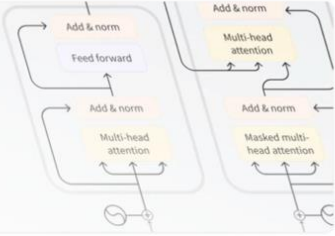
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### Learn


#### NLP Course

This course will teach you about natural language processing using libraries from the HF ecosystem.



#### Deep RL Course

This course will teach you about deep reinforcement learning using libraries from the HF ecosystem.



#### Audio Course

Learn to apply transformers to audio data using libraries from the HF ecosystem.

