Build with Gemma





Manikandan Krishnamurthy

Google Cloud Architect \(\) | 5x GCP Customer Delivery \(\) | 2x GCP Certified \(\) | 6x GCP He...

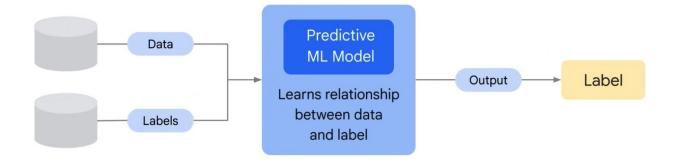


Agenda Overview Access model Demo

Overview

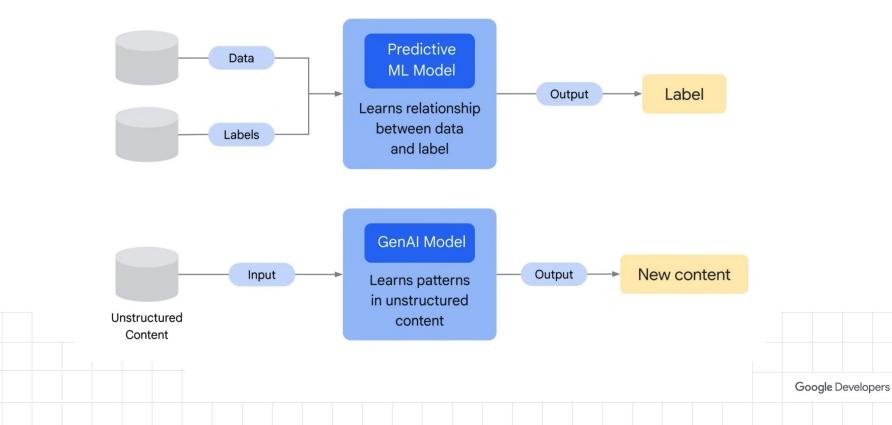


Generative Al





Generative Al



Google is the industry pioneer in Al





2023

Family of multimodal LLMs & conversati onal AI products

2020

Google LaMDA Model Trained to

AlphaFold predicts structures of all known

2022

proteins

converse

T5

2019

er

2018

Google's groundbr eaking large language model, **BERT**

ext Transform

Open

2016

2015

Google DeepMind AlphaGo defeats Go champion

Google's DeepMin d helps detect eye disease

2017

Google invents Transform er

kickstartin

g LLM revolution

Text-to-T Transfer

LLM 10B P Model

Sourced

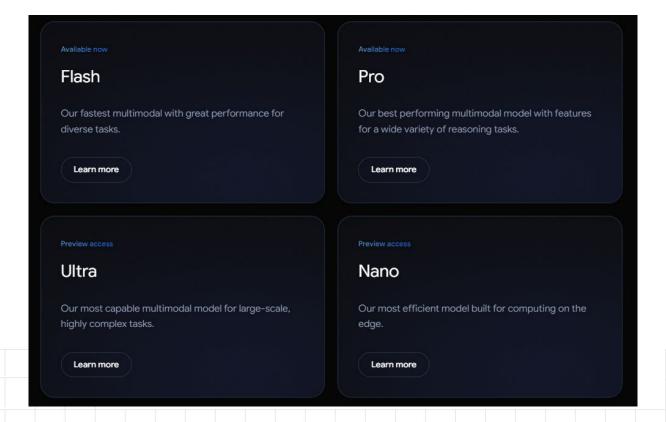
Service powered by PaLM2



Google Developers

"Gemini is Google's latest multimodality LLM model - reasoning seamlessly across text, images, video, audio and code."

Gemini model sizes



Google Developers

Any Open Source LLM Model?

Gemma





"Gemma is a family of lightweight, state-of-the-art, open LLM models built from the same research and technology used to create the Gemini models."

Gemma Model Variants

CodeGemma

Harnessing the foundation of our original pre-trained Gemma models, CodeGemma brings powerful code completion and generation capabilities in sizes fit for your local computer.

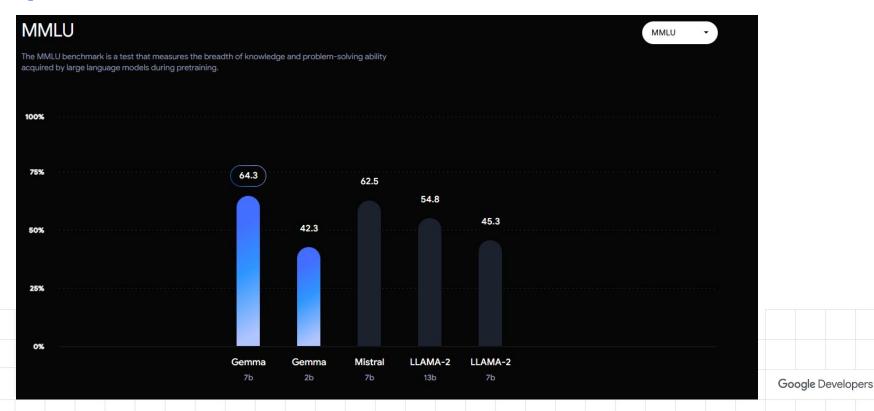
PaliGemma

PaliGemma is an open vision-language model that is designed for classleading fine-tune performance on a wide range of vision-language tasks.

RecurrentGemma

RecurrentGemma is a technically distinct model that leverages recurrent neural networks and local attention to improve memory efficiency.

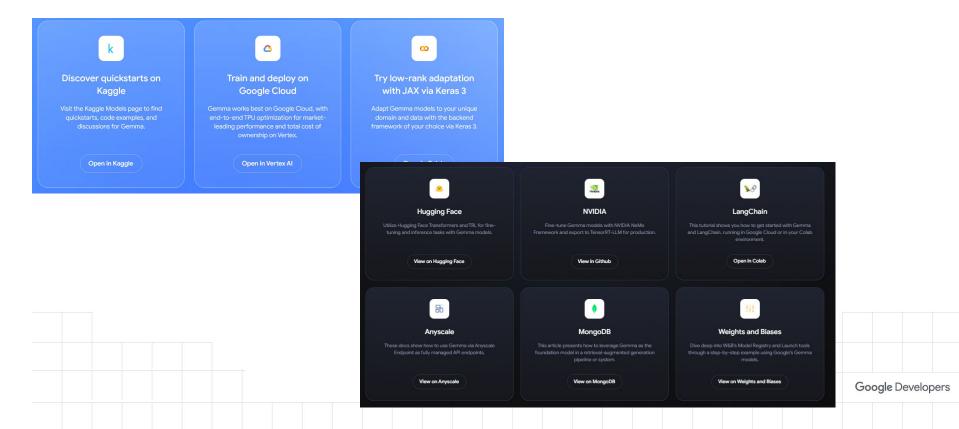
Open LLM Models Benchmark



Access Gemma Model

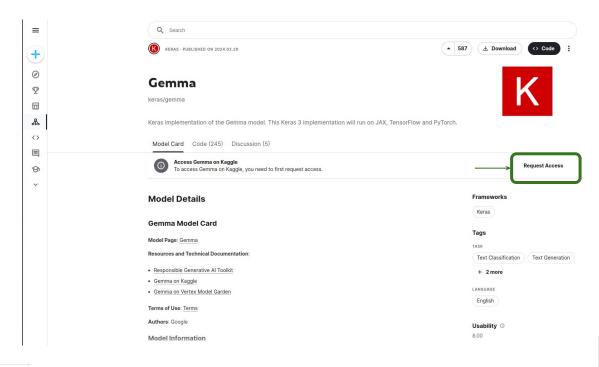


Access Gemma Model





Access Gemma Model in Kaggle

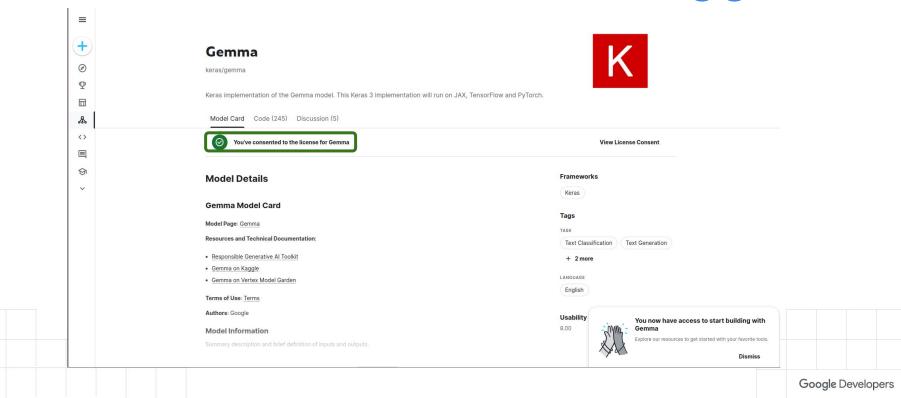


https://www.kaggle.com/models/google/gemma https://www.kaggle.com/models/keras/gemma

Google Developers



Access Gemma Model in Kaggle





Google Developers

Access Gemma Model in Kaggle

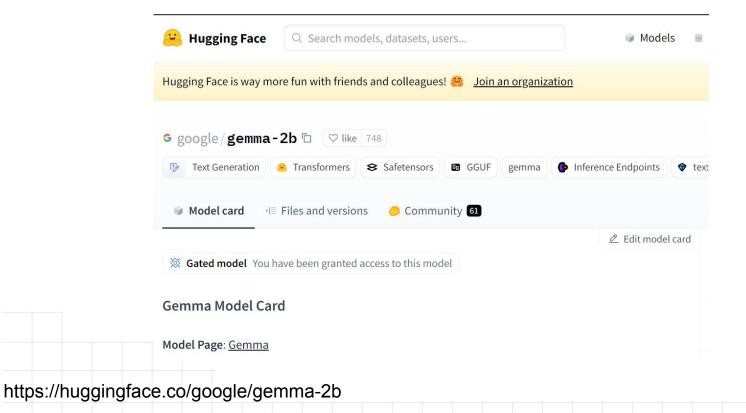
Gemma

Model Card Code (434) Discussion (48)

Model Variations

| variation Д gemma_instruct_2b_en (managed b | Version 2 Version 2 | & Down | load + New Notebook |
|---|---|---|---------------------|
| s variation is maintained by the Keras organiza | ation. For more information about this variation, | please refer to its dedicated model detail pa | ge. |
| | | | |
| Gemma Keras | | | |
| 6 Variations · 245 Notebooks | | | |
| Keras implementation of the Gemma mod | | | |
| <u> 587</u> | | | |
| | | | |
| | | | |
| bout Variation | | | |
| | LICENSE | BASE MODEL | |

Access Gemma Model in HF



Google Developers

Demo

Huggingface, Kaggle, Colab





Google Cloud Architect \(\) | 5x GCP Customer Delivery \(\) | 2x GCP Certified \(\) | 6x GCP He...

Thank you.



Sincere thank to "Leong Lai Fong" (GDE) for Getting Started Gemma guide.