

**DATA+AI**  
SUMMIT 2022

# Machine Learning Hyperproductivity with Hugging Face Transformers



ORGANIZED BY  databricks



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# Machine Learning

Neural networks

Expert  
tools



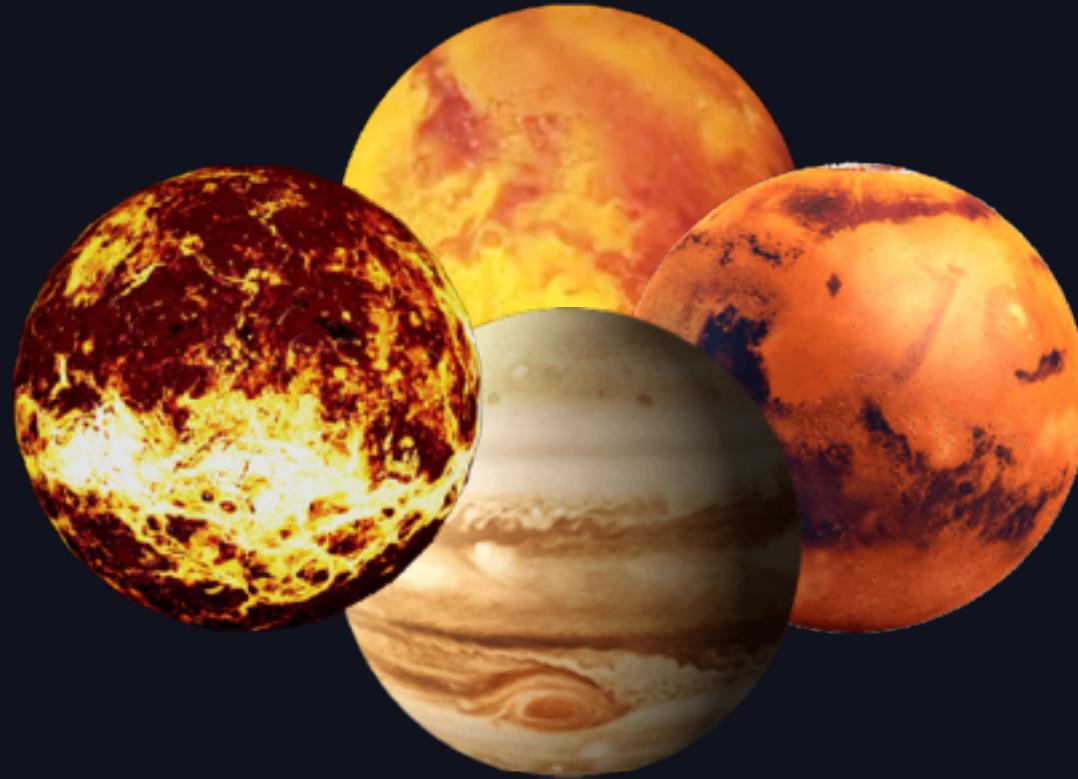
Labeling  
large  
datasets

GPUs

# Reinventing Machine Learning

Transformers

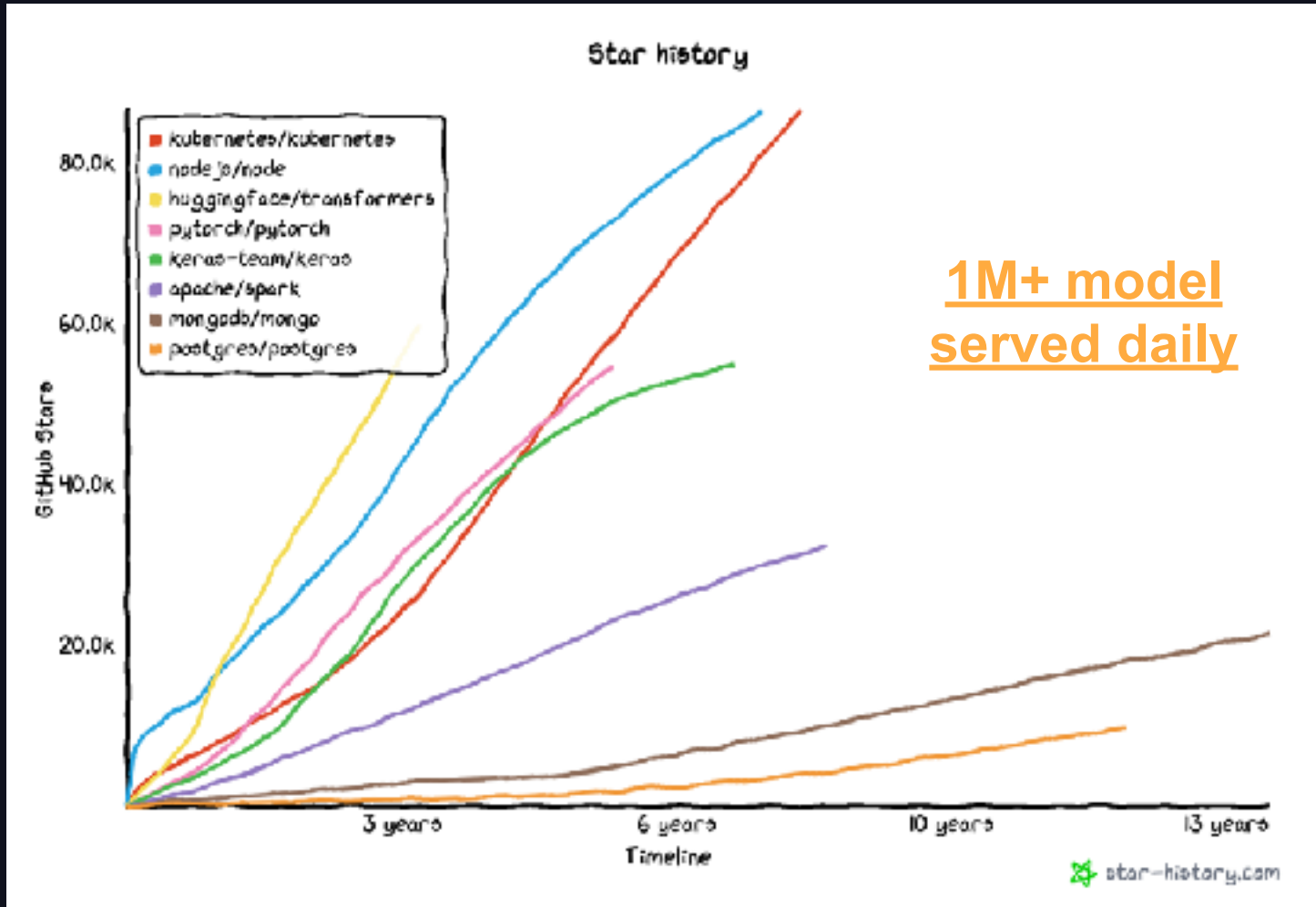
Developer  
tools



Transfer  
Learning

ML Hardware

# Transformers: one of the fastest-growing OSS projects



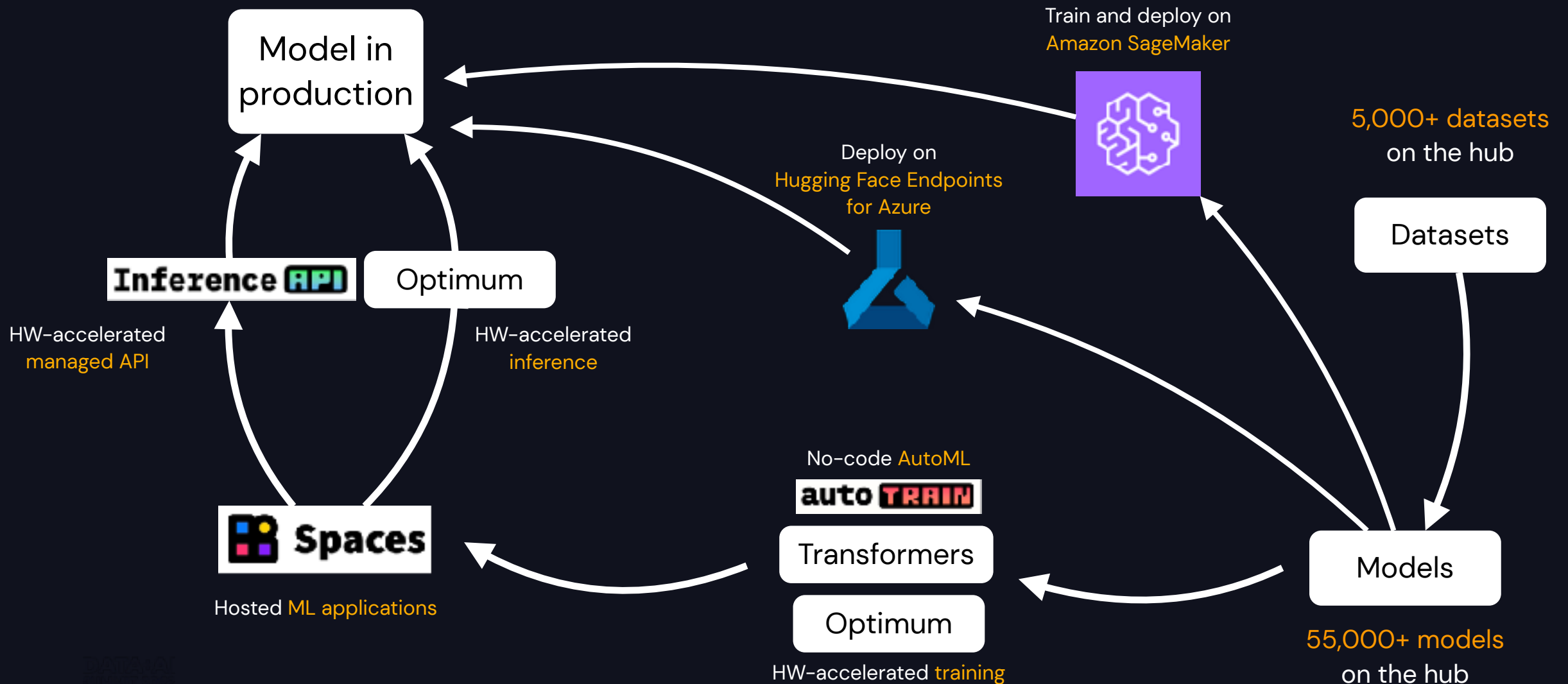
*"Transformers are emerging as a general-purpose architecture for ML"*  
<https://www.stateof.ai/>

RNN and CNN usage down,  
Transformers usage up  
<https://www.kaggle.com/kaggle-survey-2021>

<https://github.com/huggingface/transformers/>



# Agile Machine Learning with Hugging Face Transformers



# Demo

a production-ready prediction API to classify customer reviews

1. Exploring models and datasets on the hub
2. Training automatically with AutoTrain
3. Training with the Transformers library
4. Showcasing the model in Spaces
5. Deploying the model on the Inference API and on Amazon SageMaker
6. Accelerating inference with Optimum

Join our community

<https://huggingface.co>

New to Transformers?

<https://huggingface.co/tasks>

<https://huggingface.co/course>

<https://discuss.huggingface.co>

Need help? Ask about our Expert Acceleration Program (EAP)

<https://huggingface.co/support>

Need more privacy and compliance? Ask about a private hub deployment

<https://huggingface.co/platform>



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Thank you



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