

Ngapain A.I. Kamu?

Vol. 1

by

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Siapa di sini yang sudah pernah pakai ChatGPT?

Untuk apa dipakainya?

What is AI?

“Machines showing capabilities that are typically associated with human intelligence”

Wikipedia



Learning

Learn over time without direct intervention



Perception

Interpret meaning of data including text, voice, images



Cognition

Form conclusions with imperfect data

Jenis AI

Classification	Clustering	Generation
<i>Memberi label terhadap data secara otomatis</i>	<i>Membuat grup terhadap kumpulan data</i>	<i>Membuat data baru berdasarkan input data (teks, gambar, suara)</i>
Face recognition	News grouping	Text-generation
Text classifier	Customer segmentation	Image-generation
Spam detection	Document clustering	Sound-generation
Sentiment analysis	Market segmentation	Video generation
Medical diagnosis	Social network analysis	Music composition
Fraud detection	Anomaly detection	Speech synthesis
Image classification	Gene expression clustering	Image-editing-filter-filler
Handwriting recognition	Behavioral segmentation	3D model generation
Voice recognition	Image segmentation	Code generation

Types of Electronics Tools

Single function



General purpose



Single utility



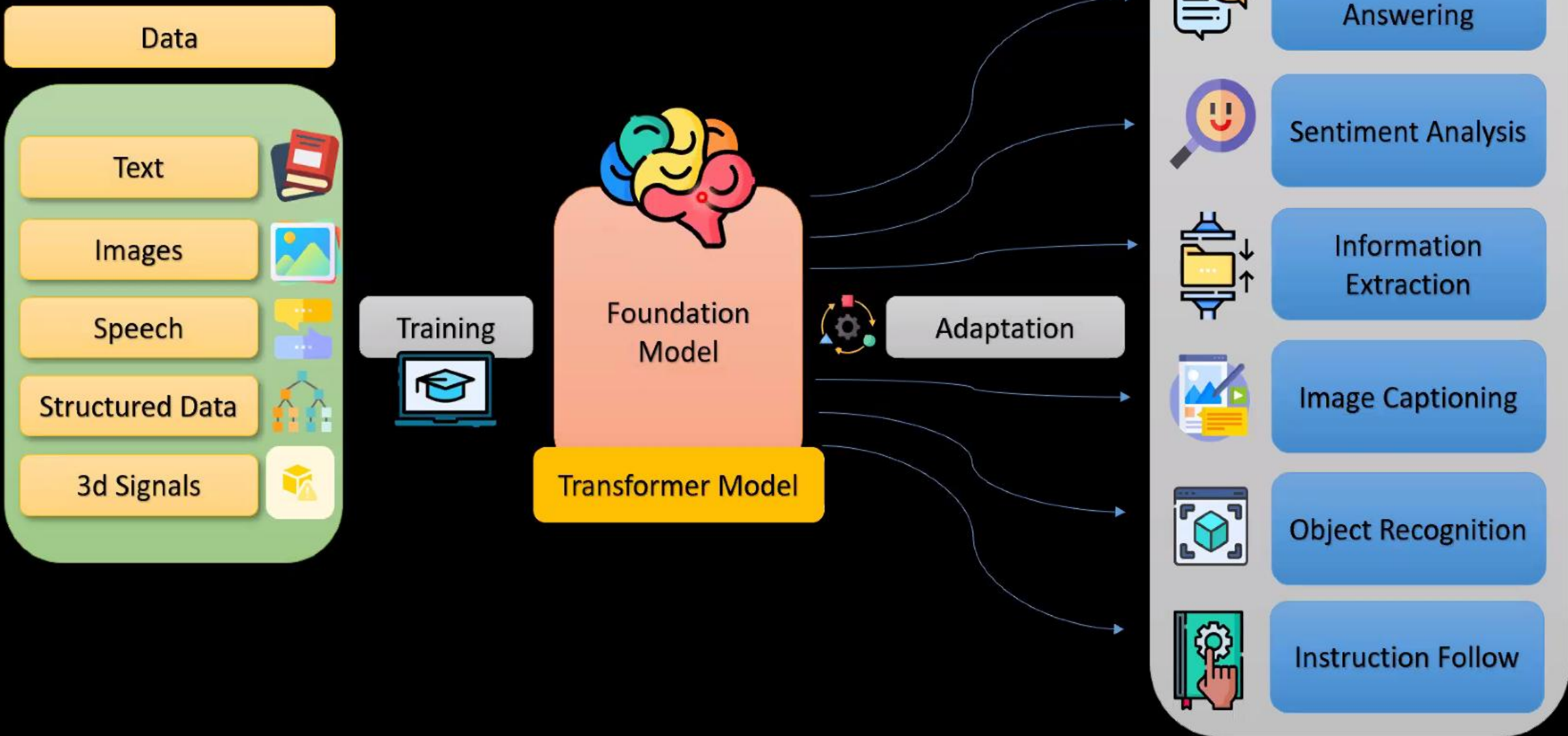
Single capability



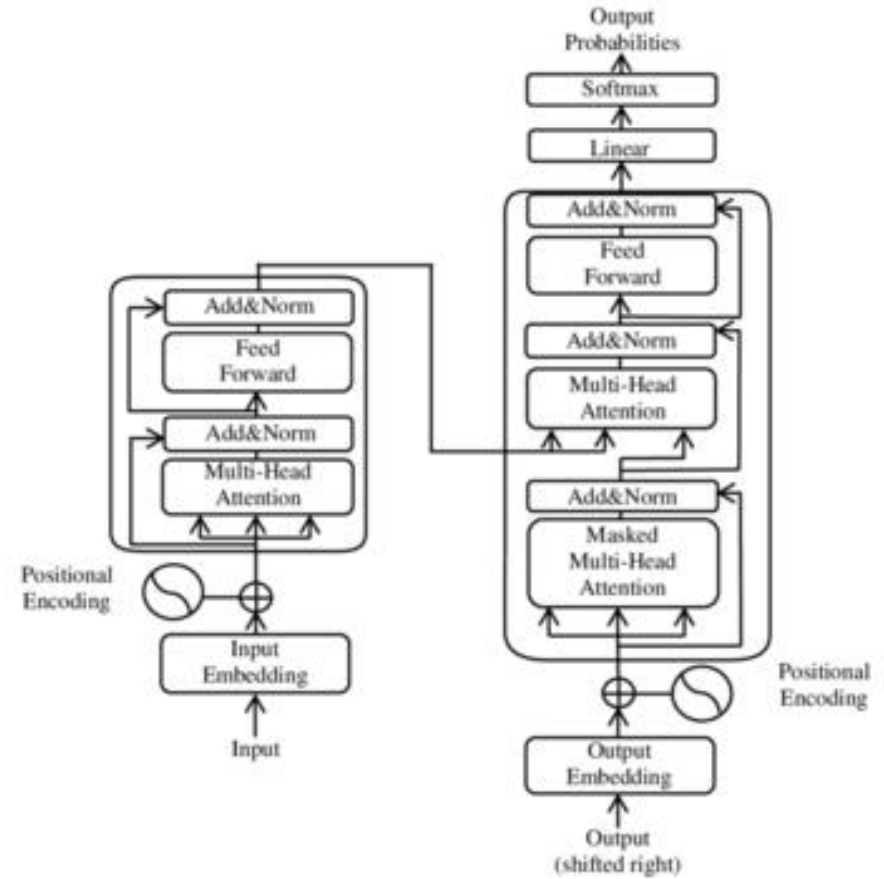
AI adalah tools / alat bantu

Bisa untuk general purpose, specific purpose, specific utility

Foundation Models



Model LLM AI: Transformer



4 Techniques to leverage Text-GenAI

1. Shoot your question directly (prompt / perintah)
2. Use System prompt
 - a. Simple system prompt
 - b. Few-Shot example
 - c. Advanced and detailed system prompt
3. Retrieval-Augmented Generation (RAG)
 - a. Whole data*
 - b. Dense-vector embedding
 - c. Sparse-vector embedding
4. Fine-tuning

Prompt Engineering

- Memberikan instruksi yang jelas
 - Deskripsikan apa masalahnya
 - Konteks informasi tambahan untuk berfikir
 - Proses berfikir yang diharapkan
 - Output yang diharapkan
- Kustomisasi prompt sistem
 - Peran
 - Sudut pandang
 - Tema
 - Contoh positif / negatif

Prompt Engineering Guide

Instructions and best practices for using language prompts to generate high-quality text outputs

Start with clear instructions

Prime the output

Add clear syntax

Prompt Chaining

Few-shot learning

Few-Shot Reasoning

Break the task down

Meta prompts / System Message / Guardrails

Use affordances/tools when needed

Chain of thought prompting

Fine-Tuning with Chain-of-Thought

Prompt Chunking

Use quotes to generate a single sentence

Specifying output structure

Adjusting 'Temperature' and 'Top_P' parameters

Let's play

- <https://chatgpt.com/>
- <https://gemini.google.com/>
- <https://claude.ai/>
- <https://notebooklm.google/>
- <https://designer.microsoft.com/>
- ChatGPT App
- <https://poe.com/>
- <https://www.perplexity.ai/>
- Private AI Chat*

#ChallengeForYou
Mau dapat 50 Juta?*

<https://hackathon.kemenkeu.go.id/>

Thank You

Biji selasih, biji tomat

Terima kasih, semoga bermanfaat