

# Artificial Intelligence & Appellate Law

UT State & Federal Appeals CLE, June 7, 2024

Midjourney - "abstract art inspired by streams of data flowing in and out of a courthouse, low angle, digital art, dramatic lighting, bright and cheery"

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## Introductions



**Parker Hancock**  
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## Where are we in AI today?

Advanced, Multi-Modal, Large Language Models

Golden Stripes.

BAKER BOTTS

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# Why do we care?

Large Language Models Could Pass the MBE

## GPT-4 Passes the Bar Exam

Daniel Martin Katz<sup>1,2,3,4,\*</sup>, Michael James Bommarito<sup>1,2,3,4</sup>, Shang Gao<sup>5</sup>, and Pablo David Arredondo<sup>2,5</sup>

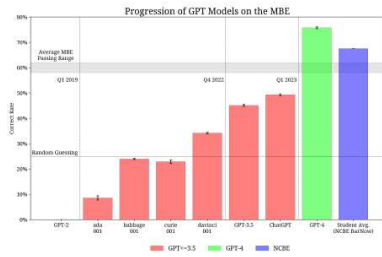


Figure 1. Progression of Recent GPT Models on the Multistate Bar Exam (MBE)

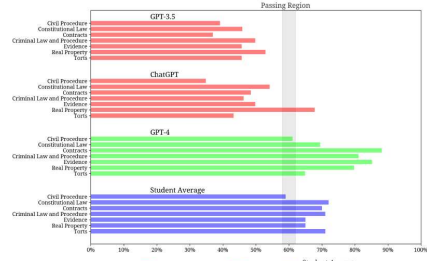


Figure 2. Progression of Recent GPT Models by Legal Subject Area

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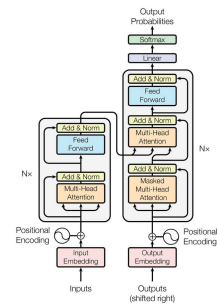
# What is a Language Model?

Foundations of Language Modeling

- A **Language Model** is a neural network that is:
  - **Pre-Trained** on a large body of unstructured text;
  - **Fine-Tuned** to perform a specific task;
  - **Prompted** with a request;
  - **Provided** with information relevant to the request; and
  - **Answers** the request by generating text or other information.

Training

Inference



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Title search: Artificial Intelligence and Appellate Law

Also available as part of the eCourse

[2024 eConference on State and Federal Appeals](#)

First appeared as part of the conference materials for the  
34<sup>th</sup> Annual Conference on State and Federal Appeals session

"AI and Appeals: Current Techniques, Ethical Issues, and Future Considerations"