



Integrating Artificial Intelligence into the Reporting and Transcription Markets

CONNECTION
ANALYSIS
DATA



So what is AI

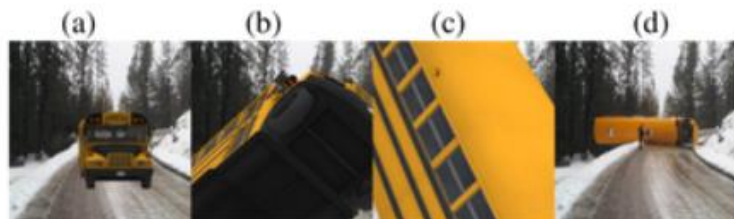
The broad discipline of creating intelligent machines that can perform tasks characteristic of human intelligence such as **planning**, **recognizing** objects and sounds, and **problem solving**.

AI is usually interchangeable with **machine learning**

AI – Reality check



AI – What is still missing?



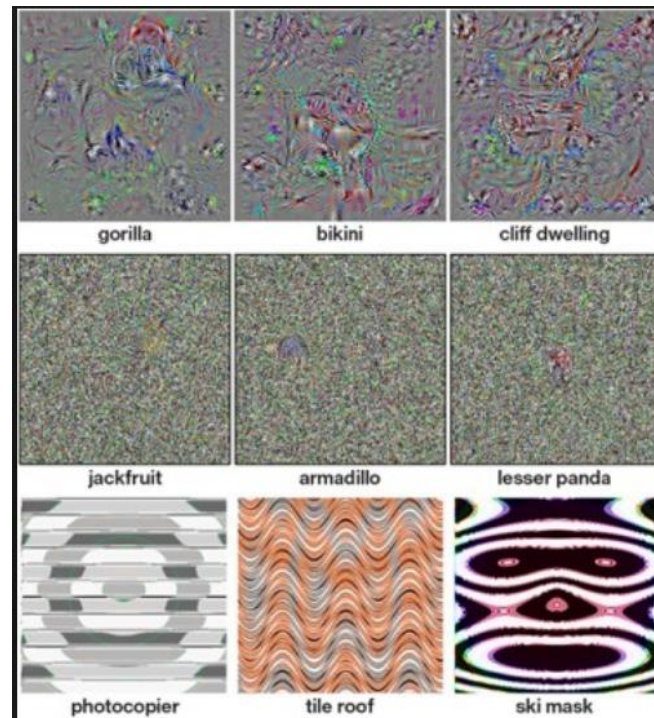
school bus 1.0 garbage truck 0.99 punching bag 1.0 snowplow 0.92



motor scooter 0.99 parachute 1.0 bobsled 1.0 parachute 0.54



fire truck 0.99 school bus 0.98 fireboat 0.98 bobsled 0.79





AI – what is still missing?



*From 2012





The HYBRID model

Leveraging the best of both worlds





AI – Effective Use

The true value of AI tech comes in automating manual tasks, increasing both efficiency and productivity by leaving the monotonous work to the machines.



Artificial Intelligence in legal

Document and Contract
Review

eDiscovery

Due Diligence and
Research

Legal Analytics

Legal Chatbots

Cybersecurity

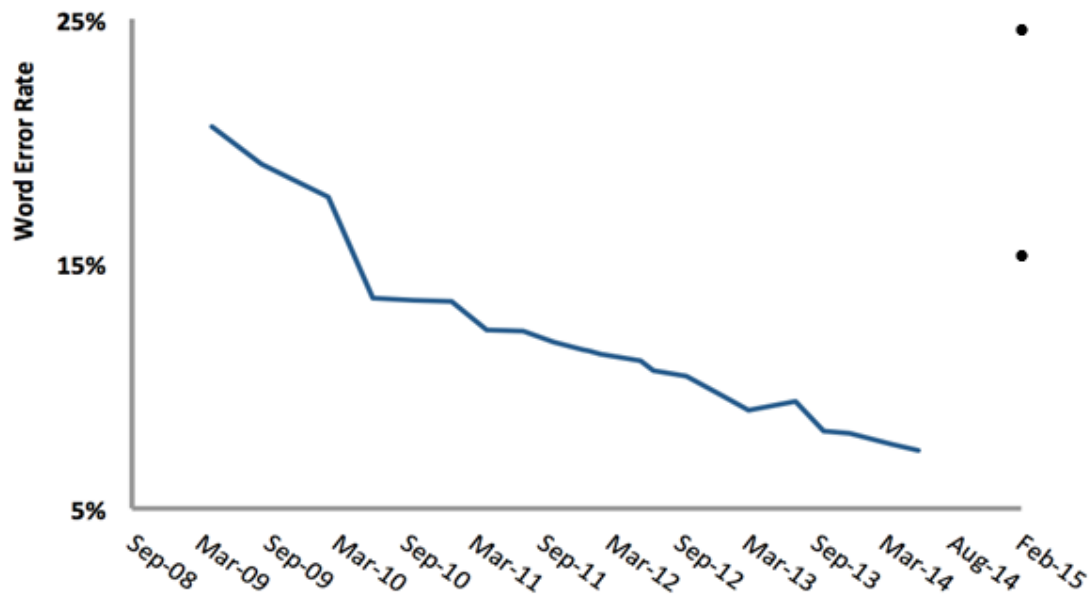
Legal Transcription



A hand holding a black magnifying glass, focusing on the text. The magnifying glass has a black handle and a black frame around the lens. The text is centered within the lens.

Legal Transcription & Reporting

Advances in Speech Recognition



- Continuous server ASR word error rate (WER) reduction $\sim 18\%$ / year: combination of algorithms, data, and computing
- Deep learning (DNNs) is driving recent performance improvements in ASR and meaning extraction

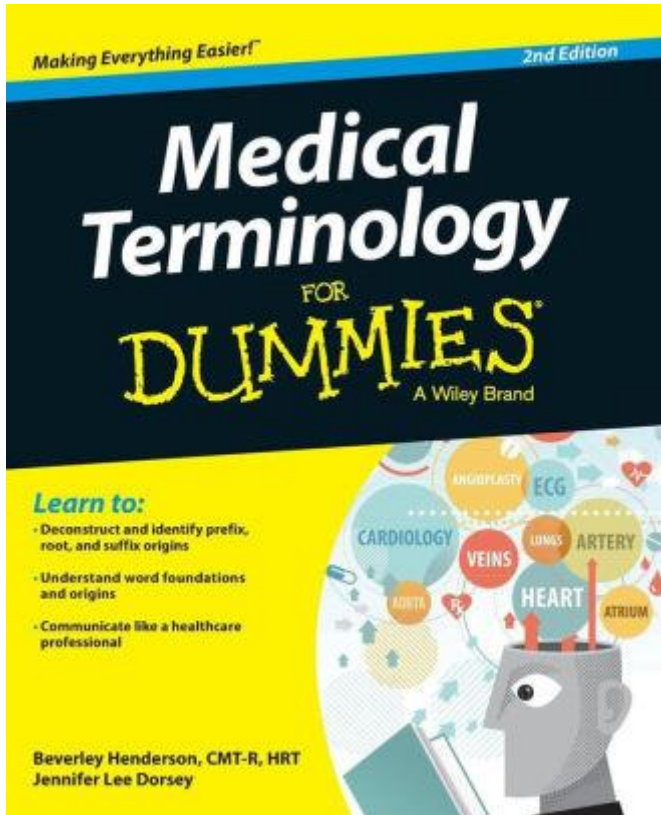


Automatic Speech Recognition

Owning the ASR stack

- Domain focus
- Learning cycle

Training on TAXONOMY

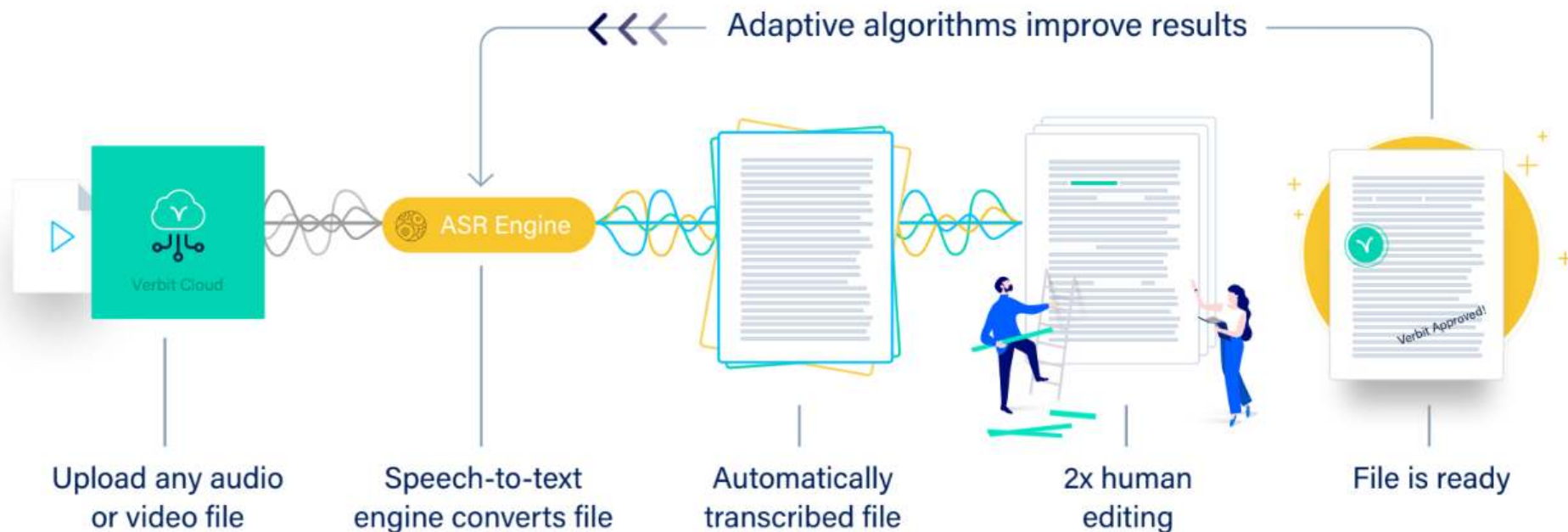


The image is a screenshot of the Supreme Court of the United States website. The header features the Supreme Court seal and the text 'SUPREME COURT OF THE UNITED STATES'. There is a search bar with 'Search: All Documents' and 'For Search Term:'. Below the header, there is a 'Home | Search Results' link and a 'Printer' icon. The main content area is divided into two columns. The left column has a 'Supreme Court Documents' section with links to 'Docket', 'Oral Arguments', 'Merits Briefs', 'Bar Admissions', 'Court Rules', 'Case Handling Guides', 'Opinions', and 'Orders and Journals'. Below this is a 'Supreme Court Information' section. The right column displays the details for Case No. 10-1259. It includes the 'Case or Docket Number' (No. 10-1259), the 'Case Name' (United States, Petitioner v. Antoine Jones), and the 'Filing date or docketed date' (April 15, 2011). Other details include 'Docketed: Linked with 10A760', 'Lower Ct: United States Court of Appeals for the District of Columbia Circuit', 'Case Nos.: (08-3034)', 'Decision Date: August 6, 2010', and 'Rehearing Denied: November 19, 2010'. At the bottom, there is a section for 'Questions Presented' and a list of 'Proceedings and Orders'.

Earnings Call Example



The Verbit Solution





Value for Court Reporting Firm

- Fast turn around time
- High capacity
- Economy of Scale



The Legal Part of Transcription

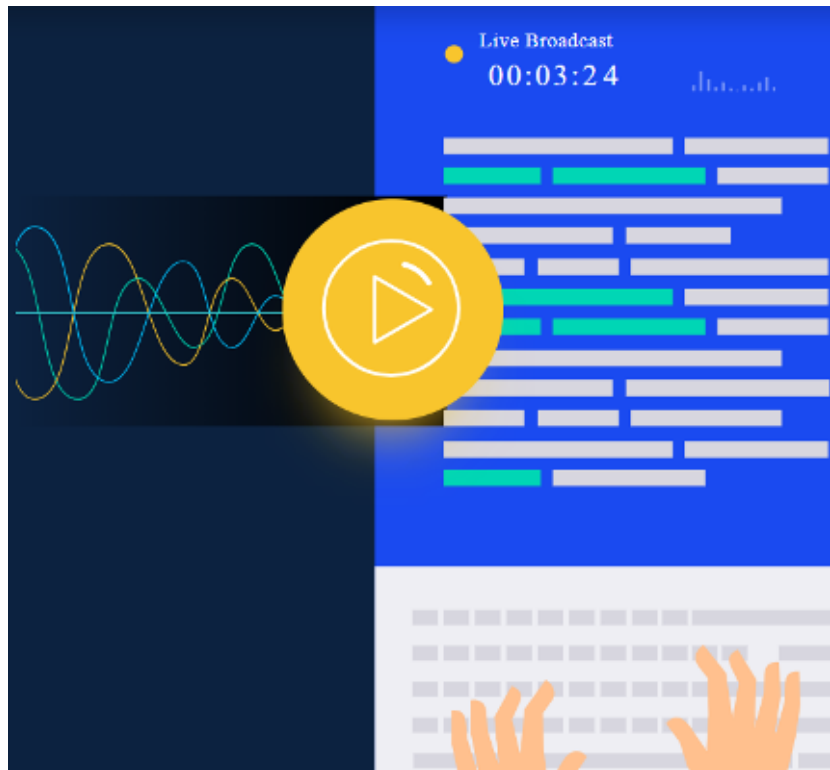
AI used as decision support

- Legal annotation
- Formatting automation





AI in Court Reporting



How can AI be used effectively during a court reporting session?



AI in Court Reporting

- Smart search the audio
- Automatic annotation of real time draft
- Detection of unclear speech
- Use terminology from dockets

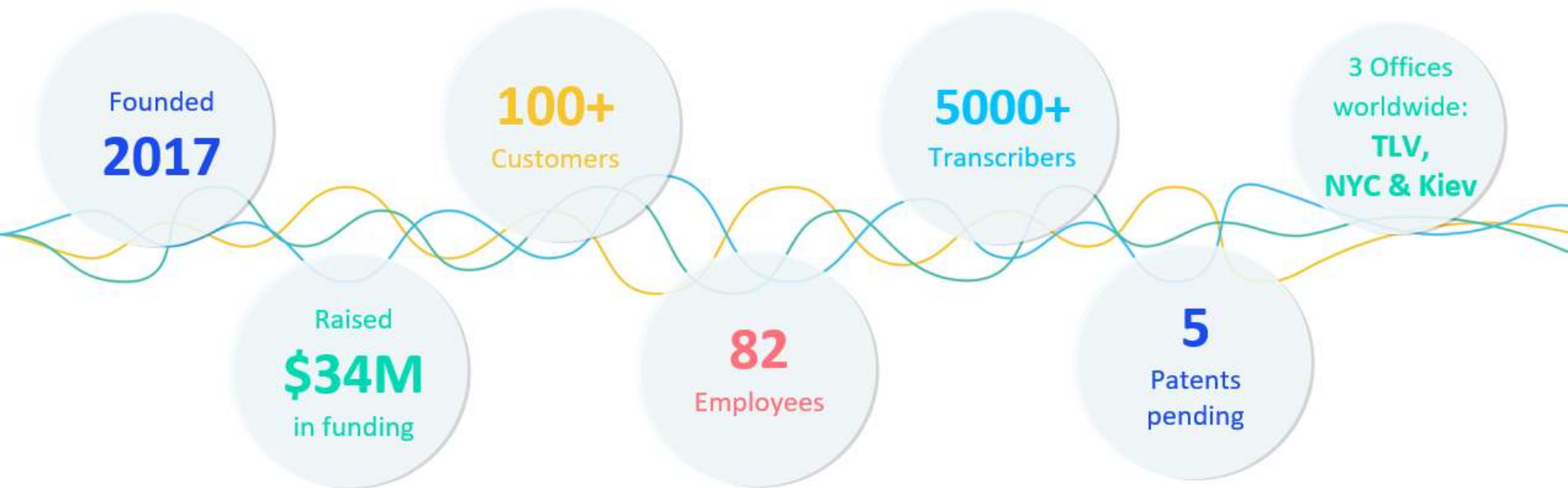


AI in Court Reporting

- Are we off-the-record?
- Filter out the fan
- Are people talking over each other?
- Fix only once



Verbit in numbers





THANK YOU

