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Artificial Intelligence News and Updates

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“

You won't be replaced by AI.
But you could be replaced
by a person **who understands AI.**

Scott Galloway

Professor of Marketing, NYU Stern

Bestselling Author

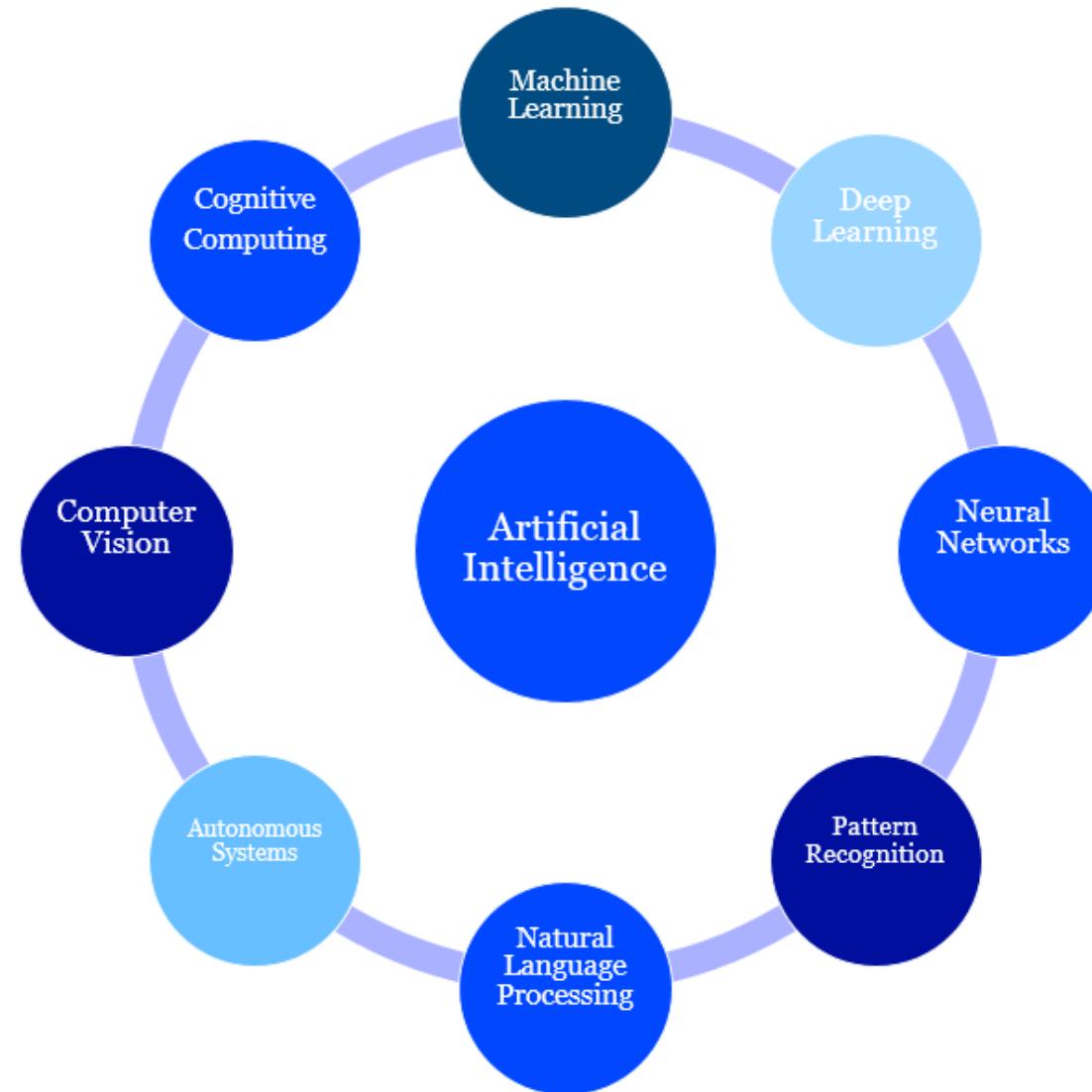
Founder, Section

Host of the Prof G Podcast

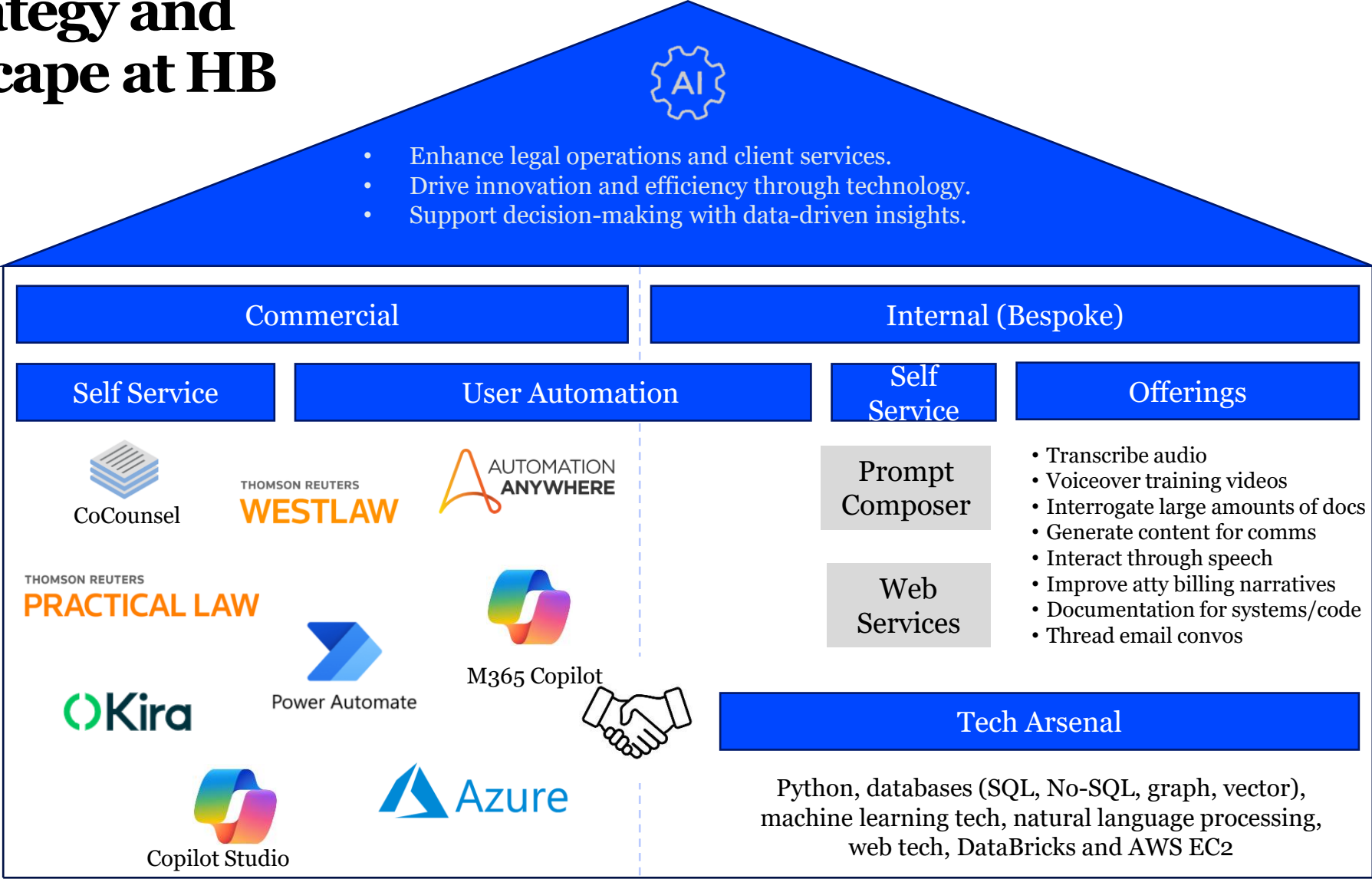
Artificial Intelligence



Artificial Intelligence



AI Strategy and Landscape at HB



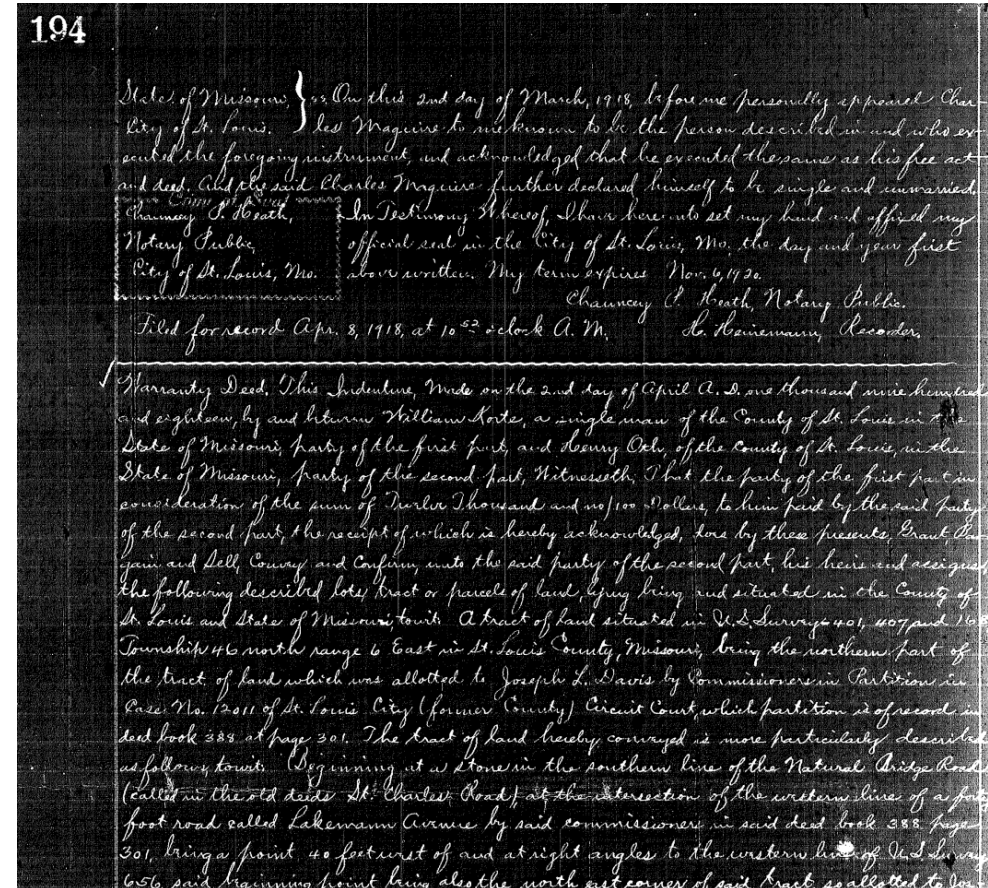
Success Stories Leveraging Gen AI

Transcribing the Past: Breathing New Life into Historical Docs

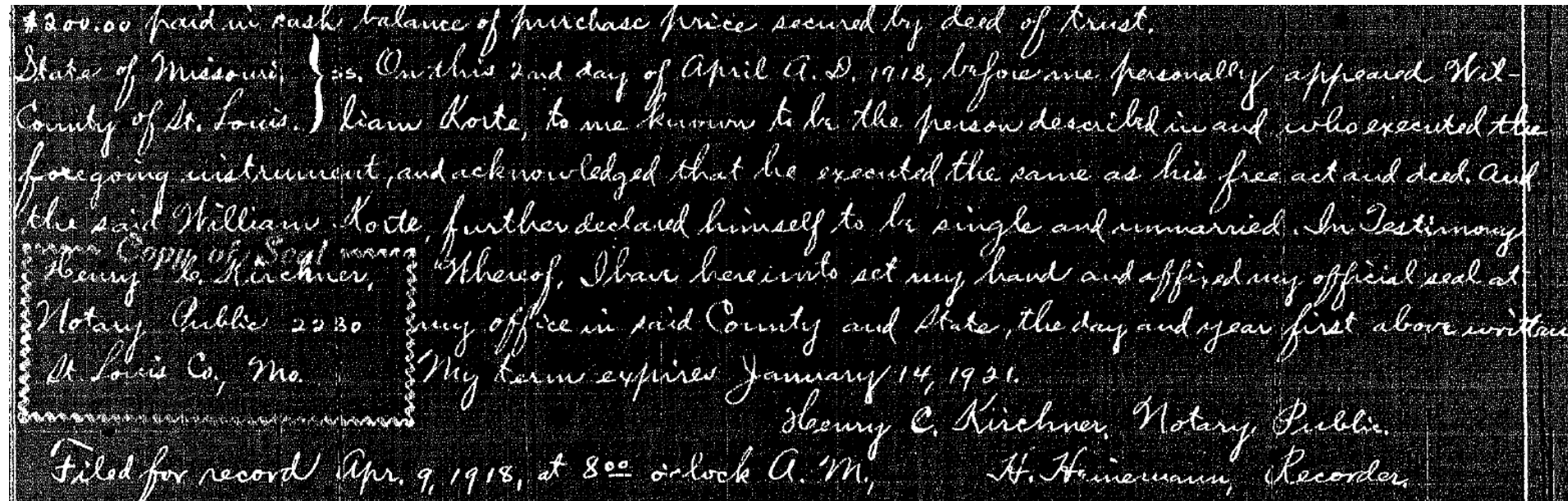
Challenge: The **Real Estate & Development** and **Commercial Litigation** practice groups often need transcriptions of nearly unreadable handwritten archival deeds and other documents dating back to the early 1900s. These documents, frequently photocopied from microfilm, are in poor condition, written in cursive, and sometimes in pencil.

Solution: Using **Prompt Composer**, the teams now upload the pages as JPEG images and employ specific prompts to guide the AI in transcribing the text, including cursive and vertically written sections.

Outcome: The AI reduced the time required to transcribe these records by an estimated **60%**.



Transcribing the Past: Breathing New Life into Historical Docs



A photograph of a handwritten notary document on aged paper. The text is written in cursive and includes a notary seal for Henry C. Kirchner, Notary Public, 2230 St. Louis Co., Mo. The document is dated April 2, 1918, and mentions a \$200.00 cash balance. The notary's term expires on January 14, 1921. The document is filed for record on April 9, 1918, at 8:00 o'clock A.M. by H. Frimerman, Recorder.

\$200.00 paid in cash balance of purchase price secured by deed of trust.

State of Missouri } On this 2nd day of April A.D. 1918, before me personally appeared Wm.
County of St. Louis } Lawr Note, to me known to be the person described in and who executed the
foregoing instrument, and acknowledged that he executed the same as his free act and deed. And
the said William Note further declared himself to be a single and unmarried. In Testimony
Whereof, I have hereunto set my hand and affixed my official seal at
my office in said County and State, the day and year first above written.

My term expires January 14, 1921. Henry C. Kirchner, Notary Public. Notary Public 2230 St. Louis Co., Mo.
Filed for record Apr. 9, 1918, at 8:00 o'clock A.M., H. Frimerman, Recorder.

Automated Contract Segmentation

Challenge: The **Banking & Finance** legal team was tasked with analyzing thousands of complex finance agreements, with the client doubting AI's capability, especially CoCounsel software, due to the dense mix of general and state-specific terms.

Solution: We used **Azure** to segment each agreement into separate documents for general and state-specific terms. This approach simplified the complex documents and set CoCounsel on a successful path.

Outcome: The strategy significantly streamlined the workflow and improved document management efficiency, potentially saving about **400 hours**, pending client approval.



Florida Residents: The Plan shall be cancelled by us for fraud or material misrepresentation, including but not limited to commercial or rental use. Unauthorized repair or replacement of covered equipment shall result in the cancellation of the Plan by us. In the event of cancellation by us, written notice of cancellation shall be mailed to you not less than sixty (60) days before cancellation is effective. This Plan can be cancelled by you at any time for any reason by emailing, mailing or delivering to us notice of cancellation. If the Plan is cancelled: (a) within thirty (30) days of the receipt of the Plan, you shall receive a full refund of the price paid for the Plan provided no service has been performed, or (b) after thirty (30) days, you will receive a refund based on 100% of unearned pro rata premium less any claims that have been paid or less the cost of repairs made by us. If we cancel the Plan, the return premium is based upon 100% of the unearned pro rata premium. The rate charged for this Plan is not subject to regulation by the Florida Office of Insurance Regulation.

Georgia Residents: This Plan shall be non-cancelable by us except for fraud, material misrepresentation, or failure to pay consideration due therefore. The cancellation shall be in writing and shall conform to the requirements of Code 33-24-44. You may cancel at any time upon demand and surrender of the Plan and we shall refund the excess of the consideration paid for the Plan above the customary short rate for the expired term of the Plan. This Plan excludes coverage for incidental and consequential damages and pre-existing conditions only to the extent such damages or conditions are known to you or reasonably should have been known to you.

Illinois Residents: You may cancel this Plan for any reason at any time. If you cancel within thirty (30) days of contract purchase, and we have not paid a claim, you will receive a full refund, less a cancellation fee of \$50.00 or 10% of the Plan price. If you cancel after thirty (30) days or any time after we pay a claim, you will receive a pro-rata refund of the Plan price based on the days remaining, less any claims that have been paid, less a cancellation fee of \$50.00 or 10% of the Plan price.

Maine Residents: You may cancel this Plan within twenty (20) days of the receipt of this Plan if sent by mail or within ten (10) days if delivered at the point of sale. If no claim has been made under the Plan, the Plan is void and we shall refund to you the full purchase price of the Plan including any premium paid for the applicable insurance policy. Any refund due to you will be credited to any outstanding balance of your account, and the excess, if any, shall be refunded to you. If you cancel this Plan after twenty (20) days of receipt of this Plan if sent by mail or after ten (10) days if delivered at the point of sale, we shall refund to you the unearned pro rata premium, less any claims paid. An administrative fee not to exceed ten (10) percent of the premium fee by you may be charged by us. Any refund due to you will be credited to any outstanding balance of your account, and the excess, if any shall be refunded to you. In the event of cancellation by us, written notice to you will be provided at least 15 days prior to the cancellation and will contain the effective date of the cancellation and the reason for cancellation. If a Plan is cancelled by us, you will be refunded 100% of the unearned pro rata provider fee, less any claims paid. An administrative fee not to exceed 10% of the provider fee paid by you may be charged by us.

Nevada Residents: You are entitled to a "Free Look" period for this Plan. If you decide to cancel this Plan within thirty (30) days of purchase, you are entitled to a one hundred percent (100%) refund of any fees paid. If you cancel this Plan after thirty (30) days from purchase, you will receive a pro rata refund based on the days remaining, less a cancellation fee of twenty-five dollars (\$25.00) or ten percent (10%) of the Plan fee, whichever is less. If we fail to pay the cancellation refund within 45 days of your written request we will pay you a penalty of ten percent (10%) of the purchase price for each thirty (30) day period or portion thereof that the refund and any accrued penalties remain unpaid. If this Plan is canceled by Us, no cancellation may become effective until at least 15 days after the notice of cancellation is mailed to you. We can cancel this Plan due to unauthorized repairs which result in a material change in the nature or extent of the risk, occurring after the first effective date of the current Plan, which causes the risk of loss to be substantially and materially increased beyond that contemplated at the time the Plan was issued or last renewed. If we cancel this Plan no cancellation fee will be imposed and no deduction for claims paid will be applied.

New Hampshire Residents: Contact us at 1-866-268-7221 with, questions, concerns, or complaints about the program. In the event you do not receive satisfaction under this Plan, You may contact the State of New Hampshire Insurance Department, 21 South Fruit Street, Suite 14, Concord, New Hampshire 03301, telephone number: 1-603-271-2261.

New Mexico Residents: If this Plan has been in force for a period of seventy (70) days, we may not cancel before the expiration of the Plan term or one (1) year, whichever occurs first, unless: (1) you fail to pay any amount due; (2) you are convicted of a crime which results in an increase in the service required under the Plan; (3) you engage in fraud or material misrepresentation in obtaining this Plan; (4) you commit any act, omission, or violation of any terms of this Plan after the effective date of this Plan which substantially and materially increase the service required under this Plan; or (5) any material change in the nature or extent of the required service or repair occurs after the effective date of this Plan and causes the required service or repair to be substantially and materially increased beyond that contemplated at the time you purchased this Plan.

Powerful Document Translation

Challenge: An attorney from the **Banking & Finance** practice area urgently needed to translate two intricate 10-page Spanish contracts filled with handwritten notes and notary seals. The documents were poorly scanned and complicated.

Solution: The Data Science Team engineered **in-house AI tools** to extract, sort, and structure the data from the PDFs. The AI translated and summarized the documents into English while maintaining their structured format.

Outcome: The solution saved approximately **8 hours** and demonstrated our ability to translate complex PDFs.



Streamlining Preparation for Client Matter Reviews

Challenge: A partner in the **Banking & Finance** area had to review activities across 170 client matters monthly, involving detailed narrative analysis and coordination with 30 managing attorneys, which was time-consuming.

Solution: Using **Prompt Composer**, a support specialist automated the analysis of narrative data from spreadsheets, generating short, comprehensive narrative summaries for each client matter.

Outcome: This approach saves **264 hours** annually (22 per month), reducing prep time for client meetings and enhancing readiness for strategic discussions.

Creating Strategic Advantage Through Efficient Transcription

Challenge: In the **Labor & Employment** practice area, the team faced an urgent task just before a crucial trial: evaluating over 400 voicemails revealed late in the trial preparation phase. The team had to decide whether to petition for a trial postponement to reopen discovery, challenge the inclusion of these materials, or strategically admit them, betting that the opposition wouldn't be able to thoroughly review them due to the sheer volume and time required.

Solution: the firm's data scientists used an **in house developed AI solution** to rapidly transcribe the voicemails, compiling them into a single Excel file for comprehensive review by 5 p.m. the same day. This technological edge allowed the team to analyze the voicemails quickly and thoroughly.

Outcome: This strategic use of tech saved an estimated **30 hours**. More importantly, it **enabled the team to admit the voicemails confidently, betting that the opposing side couldn't analyze them in time**. This gave a significant strategic advantage to our client, showcasing our firm's adept integration of legal acumen with advanced technology for optimal trial outcomes.

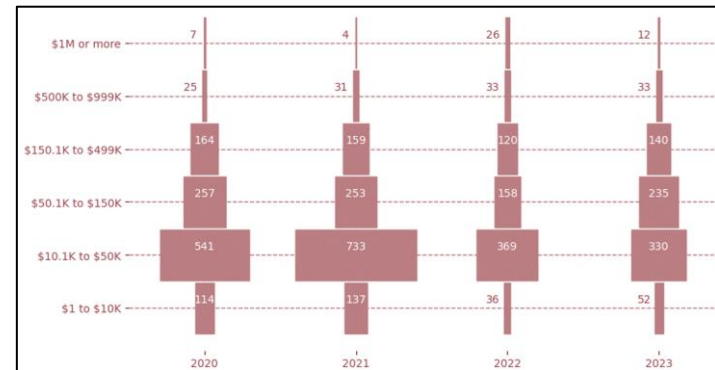
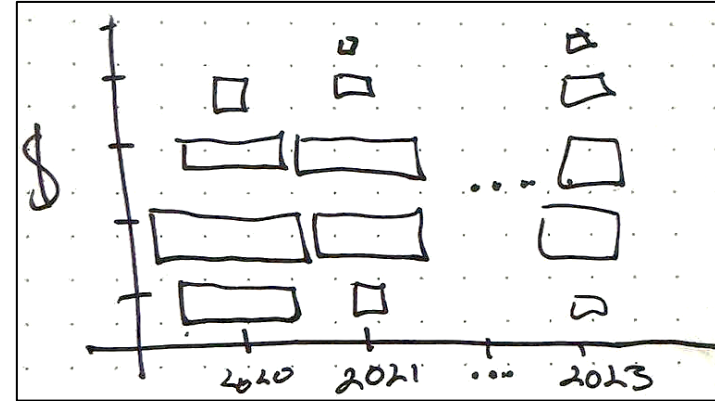


Rapid Custom Data Visualization for Enhanced Client Storytelling

Challenge: The **Mass Tort & Product Liability** team needed custom data visualizations for a crucial client presentation on an extremely tight deadline. Developing custom visualizations can easily take 13 hours.

Solution: Using **Prompt Composer**, the Data Science Team synthesized the client-provided screenshots of data with hand-drawn chart concepts to swiftly generate multiple executable Python code prototypes for review, and then used Prompt Composer to complete a publication ready graphic with modifications and client color scheme.

Outcome: Prompt Composer reduced development time by **9 hours**, delivering robust, reusable code. This accelerated presentation preparation and streamlined updates, significantly pleasing the client and improving overall presentation quality.



The Near Future

Next Generation Models

OpenAI released **o1** The first commercially available reasoning model on September 12th, 2024

These new models use **chain-of-thought** reasoning and can perform complex reasoning tasks to solve problems and answer questions. This includes mathematical reasoning older models are incapable of.

They can also act as **autonomous agents** and go beyond generating content, they can generate plans and execute those plans to accomplish multiple tasks at once.

Ethics and Policies

Ethics and Risks of AI

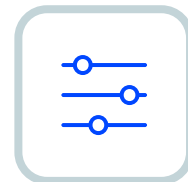
For all applications of AI there **must** be a Human in the Loop



Generative AI is fluent, but it doesn't *know* anything



Generative AI speaks with the language it was trained



Classical AI learns the *bias* in its training data

Ethical AI does not have a simple solution



Models **must** be deployed and designed by experts



Training data must be **reviewed** and managed with an eye toward implicit bias



Certain domains like HR decisions, including hiring and firing, should be **walled off** from AI



There must be a **human** in the loop, looking for problems

Key Legal Issues



Protection of Inputs to LLMs



Ownership of Outputs of LLMs



Labor & Employment Issues



Unexpected Outputs of LLM's

Tips for In-House Counsel

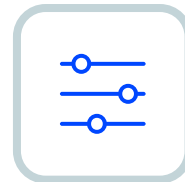
Generative AI is coming, and you should be sure that your outside counsel is prepared



Generative AI is fluent, but it doesn't *know* anything



Generative AI speaks with the language it was trained



Classical AI learns the *bias* in its training data