Veille Santé Numérique avril 2025

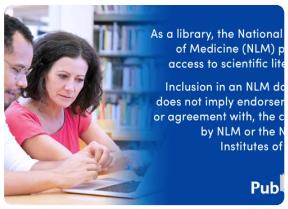
42 Items

Veille en Santé numérique et documentation médicale - DéSaN
https://www.zotero.org/groups/5886551/veille_scientifique_dsan/library

Billet : Indexation RAMEAU assistée par IA : le décryptage du Labo 🇫🇷

abes.fr

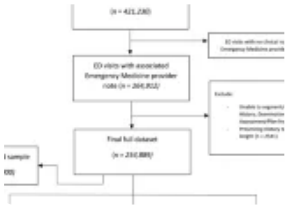
PUNKTOKOMO, Le blog technique de l'Abes / À l'issue d'une expérimentation conduite entre octobre 2024 et janvier 2025, l'Abes a publié le rapport « Indexation RAMEAU assistée par IA ». Retour en détail



Comparative analysis of ChatGPT and DeepSeek in dynamic clinical decision-making: A progressive scenario-based evaluation - PubMed #LLM

nih.gov

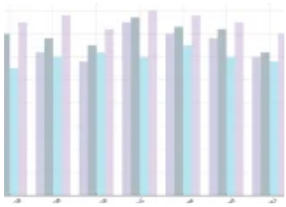
Journal of clinical anesthesia / Comparative analysis of ChatGPT and DeepSeek in dynamic clinical decision-making: A progressive scenario-based evaluation



Benchmark evaluation of DeepSeek large language models in clinical decision-making - Nature Medicine #LLM

nature.com

Nature medicine / In an evaluation involving 125 standardized patient cases, open-source DeepSeek large language models are shown to perform at least on par with state-of-the-art proprietary large language



Comparative benchmarking of the DeepSeek large language model on medical tasks and clinical reasoning - Nature Medicine #LLM

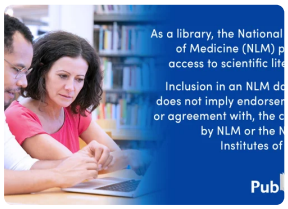
nature.com

Nature Medicine / The open-source DeepSeek large language model showed variable performance relative to two leading models when benchmarked on four different medical tasks, with relatively strong

Formation au numérique en santé des étudiants en santé : le projet Satin à l'université de Caen - EM Premium #pédago 🇫🇷

em-premium.com

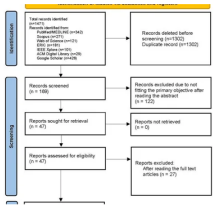
La Revue de l'Infirmière / L'université de Caen Normandie s'est emparée de l'appel à manifestation d'intérêt compétences et métiers d'avenir, volet santé numérique, mis en place par l'État dans le cadre de "France 2030",



DeepSeek's "Low-Cost" Adoption Across China's Hospital Systems: Too Fast, Too Soon? - PubMed #LLM

nih.gov

JAMA / DeepSeek's "Low-Cost" Adoption Across China's Hospital Systems: Too Fast, Too Soon?



The Role of Natural Language Processing in Graduate Medical Education: A Scoping Review - PMC

nih.gov

Cureus / The rapid evolution of artificial intelligence, particularly in the form of natural language processing (NLP) and large language models (LLMs), presents new opportunities to enhance graduate medical

Comparing Diagnostic Accuracy of Clinical Professionals and Large Language Models: Systematic Review and Meta-Analysis #LLMs

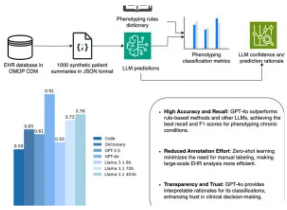
jmir.org

JMIR Med Inform / Background: With the rapid development of artificial intelligence (AI) technology, especially generative AI, large language models (LLMs) have shown great pote...

Integrating Health Care Data in an Informatics for Integrating Biology & the Bedside (i2b2) Model Persisted Through Elasticsearch: Design, Implementation, and Evaluation in a French University Hospital #EDS

jmir.org

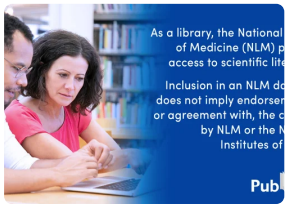
JMIR Med Inform / The volume of digital data in health care is continually growing. In addition to its use in health care, the health data collected can also serve secondary purposes, such as research. In this context,



Zero-shot learning for clinical phenotyping: Comparing LLMs and rule-based methods #LLM

sciencedirect.com

Computers in Biology and Medicine / Highlights • LLM pipeline using EHR text improves chronic condition phenotyping with rationales. • Rule-LLM integration targets discordant cases, optimizing annotation for EHR



Semantic Clinical Artificial Intelligence vs Native Large Language Model Performance on the USMLE - PubMed #LLM #RAG

nih.gov

JAMA Netw Open / In this comparative effectiveness research study, SCAI RAG was associated with significantly improved scores on the USMLE Steps 1, 2, and 3. The 13B model passed Step 3 with RAG, and the 70B

Document : La HAS évalue le potentiel de l'IA pour assister le processus de revue de littérature #SR 🇫🇷

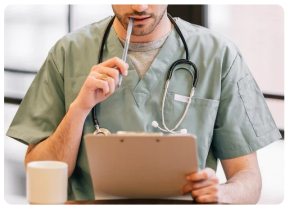
has-sante.fr

La revue de littérature occupe une place particulièrement importante au sein de la HAS. Les outils d'intelligence artificielle (IA), et en particulier l'IA générative, semblent prometteurs pour assister certaines étapes de ce

Ensuring General Data Protection Regulation Compliance and Security in a Clinical Data Warehouse From a University Hospital: Implementation Study #EDS

jmir.org

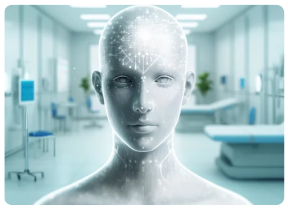
JMIR Med Inform / Background: The digital transformation of health data has enabled the utilization of advanced data analytics and Artificial Intelligence (AI) techniques, which...



The Influence of Medical Expertise and Information Search Skills on Medical Information Searching: Comparative Analysis From a Free Data Set

jmir.org

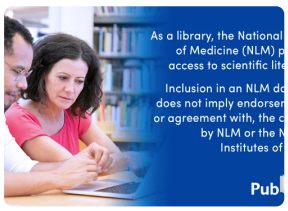
JMIR Form Res / Background: Nowadays, the internet has become the primary source of information for physicians seeking answers to medical questions about their patients before...



Generating Artificial Patients With Reliable Clinical Characteristics Using a Geometry-Based Variational Autoencoder: Proof-of-Concept Feasibility Study

jmir.org

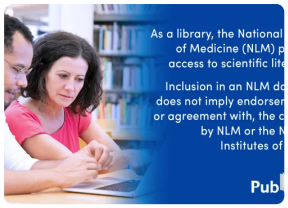
JMIR / Background: Artificial patient technology could transform health care by accelerating diagnosis, treatment, and mapping clinical pathways. Deep learning method...



GPT-4 assistance for improvement of physician performance on patient care tasks: a randomized controlled trial - PubMed #LLM

nih.gov

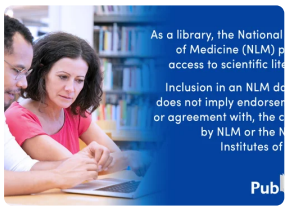
Nat Med / While large language models (LLMs) have shown promise in diagnostic reasoning, their impact on management reasoning, which involves balancing treatment decisions and testing strategies while



Identifying Deprescribing Opportunities With Large Language Models in Older Adults: Retrospective Cohort Study - PubMed #LLM

nih.gov

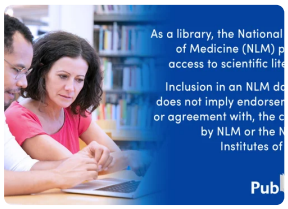
JMIR Aging / This study highlights the potential of LLMs to support deprescribing decisions in the ED by effectively filtering relevant criteria. However, challenges remain in applying these criteria to complex clinical



Large Language Model Use Cases in Healthcare Research are Redundant and Often Lack Appropriate Methodological Conduct: A Scoping Review and Call for Improved Practices - PubMed #LLM

nih.gov

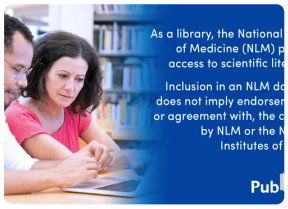
Arthroscopy / A comprehensive understanding of current LLM use cases is critical to familiarize providers with the possibilities through which this technology may be used in clinical practice. As LLM healthcare



Integrating large language models with human expertise for disease detection in electronic health records - PubMed #LLM

nih.gov

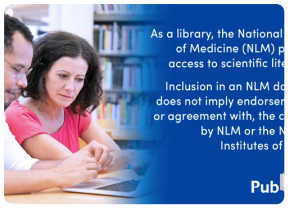
Comput Biol Med / The proposed LLM-based pipeline demonstrated reasonable accuracy and high efficiency in disease detection for multiple conditions. Human expert knowledge can be integrated into the pipeline



Novel AI applications in systematic review: GPT-4 assisted data extraction, analysis, review of bias - PubMed #SR

nih.gov

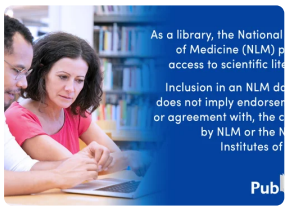
BMJ Evid Based Med / Customized GPT-4 models perform well in extracting precise data from medical literature with potential for utilization in review of bias. While the evaluated tasks are simpler than the



Generative Artificial Intelligence: Implications for Biomedical and Health Professions Education - PubMed #LLM

nih.gov

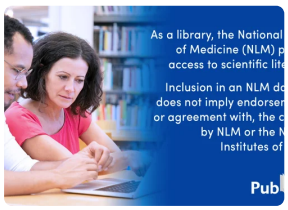
Annu Rev Biomed Data Sci / Generative artificial intelligence (AI) has had a profound impact on biomedicine and health, both in professional work and in education. Based on large language models (LLMs), generative AI



Towards conversational diagnostic artificial intelligence - PubMed #LLM

nih.gov

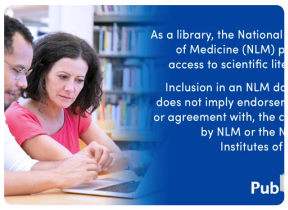
Nature / At the heart of medicine lies physician-patient dialogue, where skillful history-taking enables effective diagnosis, management and enduring trust1,2. Artificial intelligence (AI) systems capable of diagnostic



Towards accurate differential diagnosis with large language models - PubMed #LLM

nih.gov

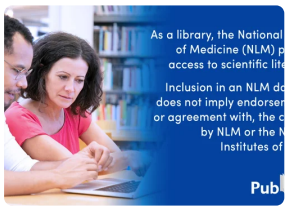
Nature / A comprehensive differential diagnosis is a cornerstone of medical care that is often reached through an iterative process of interpretation that combines clinical history, physical examination,



Sociodemographic biases in medical decision making by large language models - PubMed #LLM

nih.gov

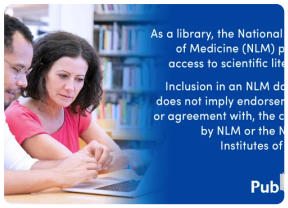
nature medicine / Large language models (LLMs) show promise in healthcare, but concerns remain that they may produce medically unjustified clinical care recommendations reflecting the influence of



MRAgent: an LLM-based automated agent for causal knowledge discovery in disease via Mendelian randomization - PubMed #LLM

nih.gov

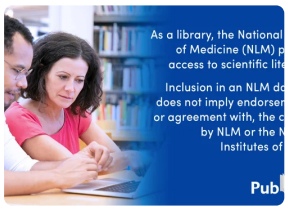
Brief Bioinform / Understanding causality in medical research is essential for developing effective interventions and diagnostic tools. Mendelian Randomization (MR) is a pivotal method for inferring causality through



The use of large language models for qualitative research: The Deep Computational Text Analyser (DECOTA) - PubMed #LLM

nih.gov

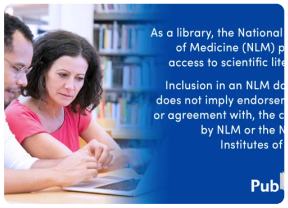
Psychol Methods / Machine-assisted approaches for free-text analysis are rising in popularity, owing to a growing need to rapidly analyze large volumes of qualitative data. In both research and policy settings, these



Personal experience with AI-generated peer reviews: a case study - PubMed

nih.gov

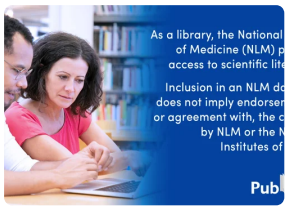
Res Integr Peer Rev / Journals need to promptly adopt transparent policies on LLM use in peer review, in particular requiring disclosure. Open peer review where identities of all stakeholders are declared might



Benchmarking large language models for biomedical natural language processing applications and recommendations - PubMed #LLM

nih.gov

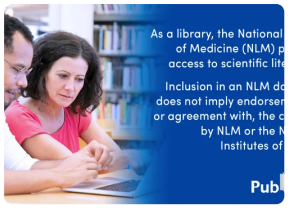
Nat Commun / The rapid growth of biomedical literature poses challenges for manual knowledge curation and synthesis. Biomedical Natural Language Processing (BioNLP) automates the process. While



MetaGP: A generative foundation model integrating electronic health records and multimodal imaging for addressing unmet clinical needs - PubMed #LLM

nih.gov

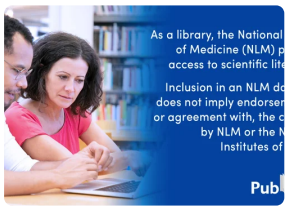
Cell Rep Med / Artificial intelligence makes strides in specialized diagnostics but faces challenges in complex clinical scenarios, such as rare disease diagnosis and emergency condition identification. To address



Retrieval augmented generation for 10 large language models and its generalizability in assessing medical fitness - PubMed #LLM #RAG

nih.gov

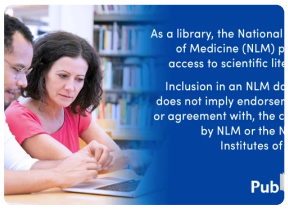
NPJ Digit Med / Large Language Models (LLMs) hold promise for medical applications but often lack domain-specific expertise. Retrieval Augmented Generation (RAG) enables customization by integrating



Comparison of Frontier Open-Source and Proprietary Large Language Models for Complex Diagnoses - PubMed #LLM

nih.gov

JAMA Health Forum / This comparative effectiveness research assesses the performance of newer open-source large language models (LLMs) with that of closed-source proprietary large LLMs.



OnSIDES database: Extracting adverse drug events from drug labels using natural language processing models - PubMed #LLM

nih.gov

MED / Background: Adverse drug events (ADEs) are the fourth leading cause of death in the US and cost billions of dollars annually in increased healthcare costs. However, few machine-readable databases of ADEs

Recommandation : Conformité et sécurité des dossiers médicaux : la CNIL lance une consultation publique sur un projet de recommandation 🇫🇷

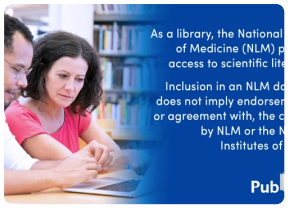
cnil.fr

CNIL / La sécurité des données de santé est au cœur des travaux menés par la CNIL depuis plusieurs années. Le dossier patient informatisé (DPI) ou dossier médical fait l'objet d'une attention particulière car il centralise

Billet : Publier les résultats négatifs de la recherche 🇫🇷

wordpress.com

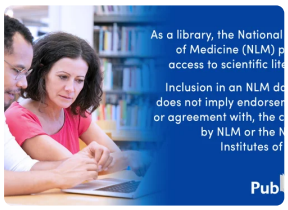
Ouvertures immédiates Le blog de Bernard Rentier / J'ai souvent plaidé pour la publication en accès libre des résultats négatifs de la recherche. En effet, une quantité impressionnante de ces travaux passe complètement



LMCBert: An Automatic Academic Paper Rating Model Based on Large Language Models and Contrastive Learning - PubMed #LLM

nih.gov

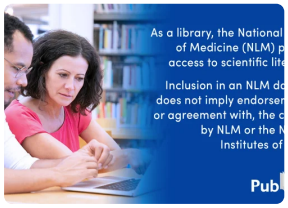
IEEE Transactions on Cybernetics / The acceptance of academic papers involves a complex peer-review process that requires substantial human and material resources and is susceptible to biases. With advancements



Efficient multi-task learning with instance selection for biomedical NLP - PubMed #LLM

nih.gov

Comput Biol Med / Our work offers a practical solution to address growing computational demands, enabling more scalable and accessible applications of advanced NLP techniques in biomedical research and



Online Health Information-Seeking in the Era of Large Language Models: Cross-Sectional Web-Based Survey Study - PubMed #LLM

nih.gov

J Med Internet Res / Although traditional online sources remain dominant, LLM-based chatbots are emerging as a resource for health information for some users, specifically those who are younger and have a higher

Archives

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Wakelet Collection

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