



The industry with the highest NLP (Natural Language Processing) adoption is Healthcare

With its ability to extract crucial insights from unstructured data, NLP is transforming clinical data analysis & ushering in a new age in patient care.



Real-life Healthcare Applications of NLP





Prioritize Patient Care

Doctors can use Named Entity Recognition (NER) to flag patient symptoms that require immediate attention.





02

Protect Patient Privacy

NLP can help replace Protected Health Information (PHI) with semantic tags to safeguard the privacy of patients.





03

Manage Clinical Records Efficiently

Healthcare professionals can use NER to extract keywords, analyze clinical notes & tag them under specific categories.





Aid Drug Testing and Trials

NLP algorithms can aid Clinical Extraction Models identify duration, form, frequency, & strength associated with drugs.





05

Financial Process Automation and Fraud Detection

Health insurance providers use NER to automate the financial contract review process & flag potential errors or fraud.





06

Analyze Socio-cultural Impacts on Health

NLP can recognize subsets of population sectors, racial groups & geographical locations to analyze socio-cultural impacts on health on a large scale.





Automate Electronic Medical Records (EMR)

NLP can automatically extract details from unstructured data like prescriptions & diagnostic reports, ensuring that no critical information is missed.





08

Diagnose Serious Ailments

NLP can assess speech patterns that could help diagnose neurocognitive damage in cardiovascular disorders & diseases such as Dementia.



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