IRCAI SDG Observatory

Unlocking New Possibilities for Rare Disease Healthcare Professionals and Patient Communities Through AI

Kleefstra Syndrome Scientific Conference 2023

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LESSONS LEARNT FROM DATA - DRIVEN PUBLIC HEALTH

**DATA COVERAGE FOR RARE DISEASES**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Languages</th>
<th>News Articles</th>
<th>Scientific Articles</th>
<th>MeSH Year</th>
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<td>Kleeffstra syndrome</td>
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<td>Angelman syndrome</td>
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LITERATURE REVIEW ACROSS 28+ MILLION RESEARCH RESULTS


https://qmidas.quintelligence.com/searchpoint/result.html?q=%22Kleefstra%20Syndrome%22&c=kmeans
AUTOMATED CLASSIFICATION BASED ON PUBMED CATEGORIES


https://qmidas-quintelligence.com/classify-mesh-major/
EVALUATING THE QUALITY OF THE AUTOMATED CLASSIFICATION
QUERYING THE WORLDWIDE NEWS BASED ON MED CATEGORIES

A team of researchers in the United States and Uganda has identified that is similar to the one causing Middle East Respiratory Syndrome, the theory that such viruses originate in bats.

1.57% of articles belong to this category

- Animal Diseases
- Bacterial Infections and Mycoses
- Cardiovascular Diseases
- Chemically-Induced Disorders
- Congenital, Hereditary, and Neonatal Diseases and Disorders
- Digestive System Diseases
- Diseases of Environmental Origin
- Endocrine System Diseases
- Eye Diseases
- Female Reproductive Diseases and Pregnancy Complications
- Hematological Diseases
- Immune System Diseases
- Infections and Infectious Diseases
- Mental and Behavioral Disorders
- Neuromuscular and Musculoskeletal Diseases
- Neoplasms
- Nervous System Diseases
- Nutritional and Metabolic Diseases
- Occupational Diseases
- Otorhinolaryngologic Diseases
- Parasitic Diseases
- Pathological Conditions, Signs and Symptoms
- Respiratory Tract Diseases
EXPLORING RARE DISEASES ACROSS DIFFERENT PERSPECTIVES
EXPLORING RARE DISEASES ACROSS DIFFERENT PERSPECTIVES
Hope in the Dark: How AI is Unlocking New Possibilities for Rare Disease Patients

Machine learning-based text mining technologies present a unique opportunity to overcome these obstacles by providing more comprehensive and accessible information.

International Research Centre on Artificial Intelligence
under the auspices of UNESCO (Category II)
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E: info@ircai.org | W: https://ircai.org/

With the Support from the African partners in our NAIXUS Network

Laboratory at the University of the Witwatersrand, Masakhane Foundation, Tanzania AI Lab & Community, Research ICT Africa, University of Cape Coast, University of Pretoria, Kabarak University