EF DATA 606

PPT

RESEARCH ON FIELD

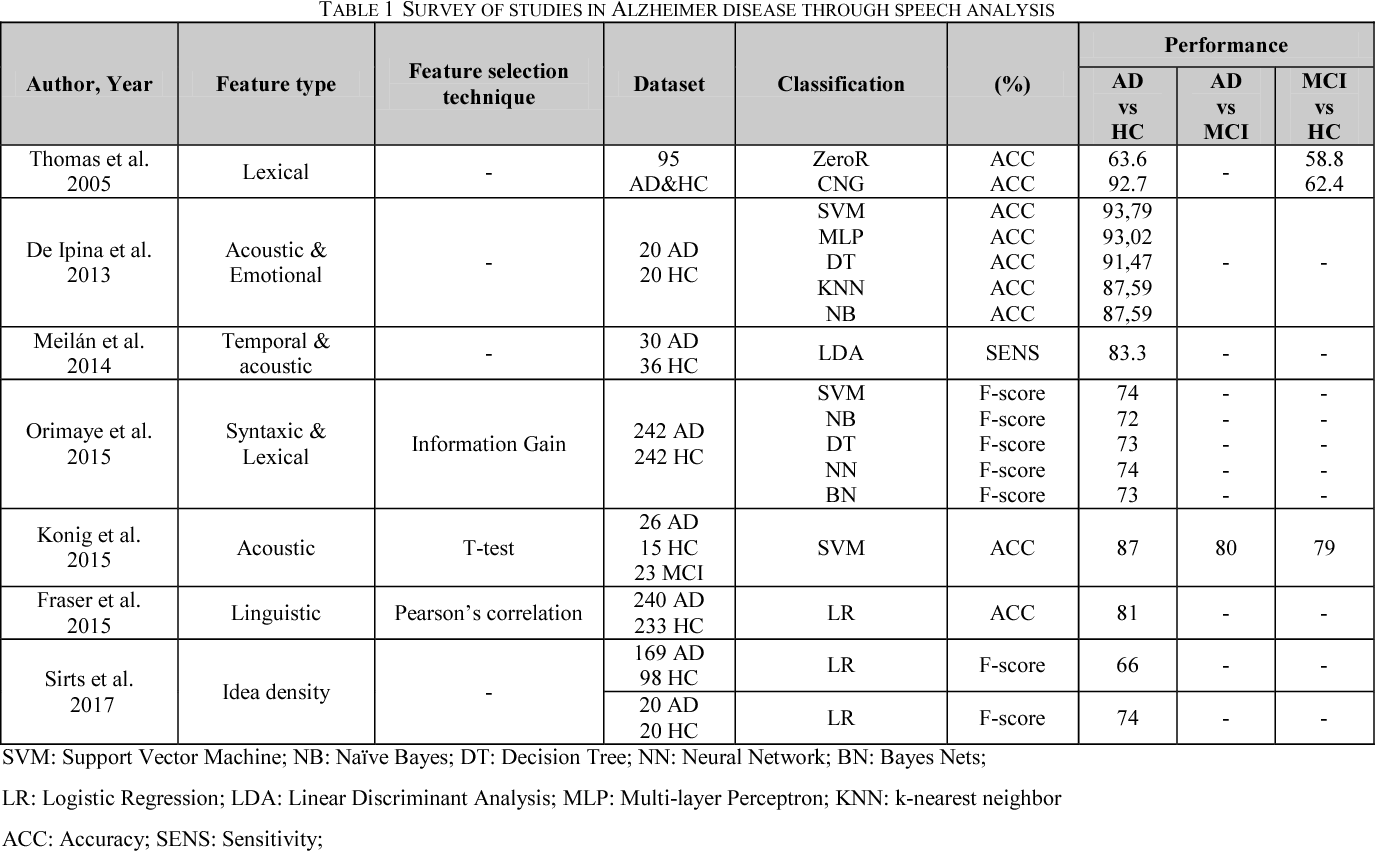
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| --- | --- |
| **TITLE** | **Accuracy of the Clinical Diagnosis of Alzheimer Disease at National Institute on Aging Alzheimer Disease Centers, 2005–2010** |
| **SOURCE** | <https://academic.oup.com/jnen/article/71/4/266/2917384> |
| **POINT** | Sensitivity ranged from 70.9% to 87.3%; specificity ranged from 44.3% to 70.8%. |

REF:

Sensitivity and specificity are two statistical measures used to evaluate the accuracy of a test in identifying the presence or absence of a condition. Sensitivity (true positive rate) measures the probability of a positive test result, given that the individual is truly positive, while specificity (true negative rate) measures the probability of a negative test result, given that the individual is truly negative [en.wikipedia.org.](https://en.wikipedia.org/wiki/Sensitivity\_and\_specificity)

In medical diagnosis, sensitivity refers to the ability of a test to correctly identify those with the disease (true positive rate), whereas specificity refers to the ability of the test to correctly identify those without the disease (true negative rate) [en.wikipedia.org.](https://en.wikipedia.org/wiki/Sensitivity\_and\_specificity)

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| **TITLE** | **Speech Processing for Early Alzheimer Disease Diagnosis: Machine Learning Based Approach** |
| **SOURCE** | <https://www.semanticscholar.org/paper/Speech-Processing-for-Early-Alzheimer-Disease-Based-Ammar-Ayed/664b507618929d9da1d7f4c30e4f849e765102eb> |
| **POINT** | AI speech to detect AD |



Table

Description automatically generated