

Exploring **speech pattern disorders in autism** using machine learning

C Hu, J Thrasher, W Li, M Ruan, X Yu, LK Paul... - arXiv preprint arXiv ..., 2024 - arxiv.org

... scales, essential for identifying **nuanced discrepancies** in how ... Distinctive **prosodic features** of **people** with **autism spectrum** ... **analysis** captures **atypical** attention in toddlers with **autism**. ...

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Can natural **speech prosody distinguish autism spectrum disorders?** a meta-analysis

W Ma, L Xu, H Zhang, S Zhang - Behavioral Sciences, 2024 - mdpi.com

... abnormalities, as a result of which **atypical prosody** can ... -**analysis** may be helpful to deal with **these inconsistencies** and ... of the **characteristics** of studies on **rhythmic features**: the number ...

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Behavioral signal processing and **autism**: Learning from multimodal behavioral signals

D Bone, T Chaspari, S Narayanan - **Autism** Imaging and Devices, 2017 - taylorfrancis.com

... of **atypical prosody** from the acoustic waveform in order ... to perceptual **errors** that can reduce the quality of an **interaction**. ... that objective speaking rate and **rhythm** cues predict perceived ...

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An automated assessment framework for **atypical prosody** and stereotyped idiosyncratic phrases related to **autism spectrum disorder**

M Li, D Tang, J Zeng, T Zhou, H Zhu, B Chen... - Computer **Speech & ...**, 2019 - Elsevier

... label directly from the constant Q transform spectrogram of **speech**. Third, we ... **system** performance. For detecting the stereotyped idiosyncratic usage of words or phrases from **speech** ...

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Speech and language technologies applied to diagnostics and therapy of brain diseases

AM Pompili - 2019 - Ph. D. thesis, Dept. Comput. Sci. Eng ...

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LS Muzaffarli - 2025 - search.proquest.com

... identification of **dementia** praecox in adolescents, labels like ... with **autism** is the **atypical** trajectory of **speech** development. ... their ability to comprehend abstract or **nuanced** meanings. ...

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C Toader, CP Tataru, IA Florian, RA Covache-Busuio... - Brain Sciences, 2023 - mdpi.com

... **nuances**. Cultural exposure and familiarity undoubtedly mold our ... In conditions like Alzheimer's disease and **dementia**, where ... Music's ties to the **prosody** of **speech** are compelling. ...

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N Bolognesi - 2025 - fse.studenttheses.ub.rug.nl

... reduced vocal initiation and **prosodic** flatness to impaired ... Parkinson's disease **dementia** in later stages of the disease ... **Atypical** development of frontostriatal and frontotemporal networks...

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DW Maynard, J Turowetz - 2022 - books.google.com

... and animate **talk** with facial expressions, hand gestures, and **prosodic** ... of **autistic** intelligence, which involves **atypical** ways of ... compare **autistic** and nonautistic girls, and a more **nuanced** ...

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