



Books Conferences News About Us Job: Home Journals Home > Journal > Business & Economics > IB Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues IB> Vol.3 No.1, March 2011 • Special Issues Guideline OPEN ACCESS **IB** Subscription A Data Mining Analysis of The Parkinson's Disease PDF (Size: 145KB) PP. 71-75 DOI: 10.4236/ib.2011.31012 Most popular papers in IB Author(s) About IB News Shianghau Wu, Jiannjong Guo **ABSTRACT** Frequently Asked Questions Clinical decision- making needs available information to be the guidance for physicians. Nowadays, data mining method is applied in medical research in order to analyze large volume of medical data. This study Recommend to Peers attempts to use data mining method to analyze the databank of Parkinson's disease and explore whether the voice measurement variables can be the diagnostic tool for the Parkinson's disease. Recommend to Library **KEYWORDS** Parkinson' s Disease, Data Mining, Decision Tree, Neural Network Contact Us Cite this paper S. Wu and J. Guo, "A Data Mining Analysis of The Parkinson's Disease," iBusiness, Vol. 3 No. 1, 2011, pp. Downloads: 160,547 71-75. doi: 10.4236/ib.2011.31012. Visits: 313,499 References B. McCourt, R. A. Harrington, K. Fox, C. D. Hamilton, K. Booher, W. E. Hammond, A. Walden and M. Nahm, " Data Standards: At the Intersection of Sites, Clinical Research Networks, and Standards Sponsors >> Development Initiatives," Drug Information Journal, Vol. 41, No. 3, 2007, pp. 393-404. International Conference on X. S. Wang, L. Nayda and R. Dettinger, "Infrastructure for a Clinical Decision-Intelligence System," [2] Management and Service Science 1, 2007, 151-169. Systems Journal, Vol. 46, No. pp. (MASS 2013) HUUUUUUUUUUUUUUUdoi: 10.1147/sj.461.0151U The 4th Conference on Web Base K. Michelsson, J. Raes, C. Thoden and O. Wasz-Hockert, "Sound Spectrographic Cry Analysis in [3] Business Management (WBM 201 Neonatal Diagonostics: An Evaluative Study," Journal of Phonet, Vol. 10, 1982, pp. 79-88. L. Ramig, R. Sherer, I. Titze and S. Ringel, " Acoustic Analysis of Voices of Patients with Neurologic [4] Disease: Rationale and Preliminary Data," The Annals of Otology, Rhinology, and laryngology, No. 97, 1988, pp. 164-172. J. Logemann, H. Fisher, B. Boshes and R. E. Blonsky, "Frequency and Concurrence of Vocal Tract [5] Dysfunctions in the Speech of a Large Sample of Parkinson Patients," Journal of Speech Hear Disord, Vol. 43, 1978, pp. 47-57. K. M. Rosen, R. D.Kent and J. R. Duffy, "Task-Based Profile of Vocal Intensity Decline in Parkinson's [6] Disease," Folia Phoniatrica et Logopaedica, Vol. 57, 2005, pp. 28-37. HUdoi:10.1159/000081959U J. Spielman, L. O. Ramig, L. Maeler, A. Halpern and J. William, " Effects of an Extended Version of the [7] Lee Silverman Voice Treatment on Voice and Speech in Parkinson's Disease," Language Pathology, Vol. 16, No. 2, 2007, pp. 95-107. HUdoi: 10.1044/1058-0360(2007/014)U [8] E. Baudelle, J. Vassiere, J. L. Renard, B. Roubeau and C. Chevrie-Mueller, "Carateristiques

Vocaliques Intrinseques et Co- intinseques dans les dysarthries cerebelleuses et parkinsonienne,"

M. A. Little, P. E. McSharry, E. J. Hunter and L. O. Ramig, "Suitability of Dysphonia Measurements for Telemonitoring of Parkinson's Disease," IEEE Transactions on Biomedical Engineering, 2008 (to

Folia Phoniatrica et Logopaedica, No. 55, 2003, pp. 137-146. HUdoi: 10.1159/000070725U

[9]

appear).