

Data Analytics to Discover what Kind of People are More Prone to have Alzheimer's Disease?

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Abstract

The purpose of this paper is to provide an overview of the possible factors that cause Alzheimer's disease, how it is related with patterns of people who are more prone to have it. Moreover, this study will give a description of the gene apolipoprotein E(APOE) and how it could be related with other genes that affect people's health. Furthermore, this research will show the correlation with other illnesses such as: diabetes type 2. In addition, a brief of brain studies, people's behavior, diagnosis, proposal for prevention activities and risk factor analysis for the measures established in advanced stages of the disease. At the end of this research, it will discuss measures to control the illness, how to detect it in time to prevent it in relatives and future generations, and the prescription and medicaments more used in patients during all the cycle of the disease. In summary, this research will give synopsis and findings for the correlation between factors, pre-existing conditions, medicaments, environment, and genetics of people who have Alzheimer's disease and people who are more prone to have it.

Keywords

Alzheimer disease, Risk Factor, Healthy Brain, gene apolipoprotein, genetics

Biographies

Rosa Aracelli Centeno Sánchez is a founder of Cleaning and Beauty Products, BeauPharm and VousConseil and has 15 years of experience in information analytics, business process, process improvement project. Business Practice Consulting, data analysis, and insight identification and analysis. She has worked in industries such as technology, bank, government, transportation and pharmaceutical. She earned B.S. in Informatic Engineering at the University of Ricardo Palma, and a MBA at University of Illinois at Urbana Champaign. She belongs to American Society of Quality, Project Management Institute and Industrial Engineering and Operations Management community. She has a Six Sigma Green Belt, and ASQ Manager of Quality / Organizational Excellence, Project Management Institute Project Manager, and Quality Management System Auditor. She is the General manager of Cleaning and Beauty Products and serves as a evaluator in process improvement projects in ASQ. Current is a process senior analyst at Reniec. She participates in Women in Industry and Academia Forum in the 3rd. South American Conference on IOEM

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