

APPLICATION OF CETD MATRIX TECHNIQUES TO STUDY THE SOCIAL AND PSYCHOLOGICAL PROBLEMS FACED BY RAG PICKERS

W.B. Vasantha Kandasamy, Elumalai, Victor Devadoss and Mary John

In this paper we study the problems faced by the social and psychological problems faced by the rag pickers using CETD matrix. Majority of rag pickers whom we have interviewed were children below the age of 15. Most of them were runaways from home, school dropouts or orphans. We collected information from 200 rag pickers in Chennai and have studied the problem using CETD matrix. This is the first time we are using an algebraic approach to study the problem faced by rag pickers using matrices.

The solution is got as a column matrix which gives the associated numbers which is transformed into graph which will depict the highest age group in which they take up the profession of rag picking. A complete grading of age group is given by this method.

From the CETD matrix analysis we see that in the age group 16-20 are the most hypersensitive so they land up in streets even for small problems and become rag pickers.

All Rights Reserved. This work is Copyright © W.B.Vasantha Kandasamy, Elumalai, Victor Devadoss and Mary John, 2005. Mathematicians can use the above material for research purposes, but the work of the author ***must*** be acknowledged. Violators of copyright, and those indulging in *plagiarism* and *intellectual theft* are liable for strict prosecution.

e-mail: vasanthakandasamy@gmail.com

web: http://mat.iitm.ac.in/wbv/public_html/home.htm

The next age group is from 10-15 with row sum adding up to 23 following a single digit positive sum 9 in the age group 21-25 and it is more an impossibility for one to start his carrier as a rag picker when he is in the age group of 26-30 or 31-40 or that is after 25 year of proper life a person may not become a rag picker at 25. In the age group 5-9 they never become rag pickers.

All Rights Reserved. This work is Copyright © W.B.Vasantha Kandasamy, Elumalai, Victor Devadoss and Mary John, 2005. Mathematicians can use the above material for research purposes, but the work of the author ***must*** be acknowledged. Violators of copyright, and those indulging in *plagiarism* and *intellectual theft* are liable for strict prosecution.

e-mail: vasanthakandasamy@gmail.com

web: http://mat.iitm.ac.in/wbv/public_html/home.htm