Estimation of the Maximum
Age-group of the Agricultural Labourer
having Health Problems due to
Chemical Pollution using Matrices

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In this paper we analyse the health hazards faced by agricultural labourers
due to chemical pollution in Chenglepet district in Tamil Nadu using
Refined Time Dependent Data matrices (RTD matrices). By the term
pollution we mean the pollution due to the spray of pesticides and
insecticides also the pollution of the grain due to the use of fertilizer, which
are mainly chemicals. From our interviews and the field work under taken
we saw the agricultural labourers suffers 14 minor ailments viz. blurred
vision, skin rashes, unable to walk, weakness etc. Here we do not include
in this paper the major health hazards like heart problems, cancer etc. We
divide the data into 5 age groups and using the raw data obtain a $5 \times 14$
initial raw data matrix which is converted into Average Time dependent
(ATD) data matrix, using the mean and Standard deviation the ATD matrix
is converted into a Refined time dependent data matrix which gives the
maximum age group of the particular disease suffered by the agricultural
labourer. The related graphic representation is also given.