

ABSTRACT

The important element on earth is water. If there is no water on earth then there is no life. Water scarcity is the absence of sufficient availability of water resources to meet the supply of water use inside an area. Pakistan could dry as its water deficiency is achieving a disturbing level. This study focused on water usage, wastage, storage and shortage in household. In this regard, data has been collected through questionnaire from household. Data have been collected from Lahore. Demographic and social variables have been asked by respondents. All variables have coded and analyses using SPSS, Eviews and AMOS software. Factor Analysis has been used for data reduction. Multiple linear regress has been used to check the dependency between variables. Using AMOS it is concluded that water scarcity is depend on water usage and wastage in household. Also check association between variables by Meta-analysis. Arima modelling has been used to forecast the time series data of canal water withdrawal in MAF.