ABSTRACT

Recently a new parametric Lorenz curves and associated Gini coefficients have been discussed by many authors. Abdallah and Hassan (2004); See Cheong (1999, 2002), Chotikapanich and Griffith (2002) Ray (1998) and Sarabia et al (1999, 2001), Ogwany (2000), Wan (1999, 2001 a, b), Zoli (1999), Dardanoni and Forcina (1999) Warner (2001) and Davies and Hoy (2001). In this paper we have developed a few Lorenz Curves and Gini coefficients, discussed their properties and compared their efficiencies and effectiveness with the existing Lorenz Curves and Gini coefficients. We have also represented Gini coefficient in terms of confluent hyper-geometric series funtion. Using a property of the hyper geometric function, various recurrent relations of Gini coefficients and Lorenz Curves have been derived. Empirical studies have been made using Pakistan income data based on various functional forms for the Lorenz Curves.