

Abstract

On the insurance company, important information required to know the great claims that will be paid by the company in the future by doing prediction (*forecast*) large claims. Prediction method that is often used is the method of analysis of time series. In this research discuss about are modeling large data insurance claims using Weibull Autoregressive Conditional Amount (WACA) model. WACA model used is the WACA (1,1). Based on the results of the test on this research, obtained the value of the estimation of model parameters WACA (1,1) using Maximum Likelihood Estimator (MLE) method so that can predict large insurance claims. The value of the Root Mean Square Error (RMSE) from the results of the great prediction is 7947964.6879 insurance claims with an average of from the observation data is 8046671.5508.

Keywords: WACA, Weibull distribution, forecast, MLE, RMSE